IN THE MATTER OF:

SWORN STATEMENT OF ROBERT MESSERLY

3

2

5

6

7 8

0

14

15

16

17

18

19

20

PRESENT AT THE TAKING OF STATEMENT: MR. ROBERT MESSERLY, Witness;

MR. B. BROOKS GRIFFIN;

MR. RICHARD K. HERR, Interrogators;

MS. JUANITA ELLIS

MR. DAVID COGBURN, Court Reporter,

SWORN ORAL STATEMENT IN QUESTION AND ANSWER

FORM of ROBERT MESSERLY, taken before David Cogburn,
a Court Reporter in and for the State of Texas at
the United States Federal Courthouse in the City
of Fort Worth, County of Tarrant on the 14th day
of April, 1983 at 2:00 p.m., at which time the
following proceedings were had:

21

22

23

24

25

8410310125 830414 PDR ADOCK 05000445 T PDR PROCEEDINGS

MS. ELLIS: For the record, we should indicate that we have handed the NRC officials an April 13th letter from CASE addressed to Edward Markey regarding this matter, and also a copy of an affidavit of J.R. Dillingham, D-i-l-i-n-g-h-a-m. And I believe Mr. Messerly has a copy of some documentation which he will be providing also to the NRC.

MR. GRIPPIN: Anything else, Ms.

Ellis?

## EXAMINATION

BY MR. GRIFFIN:

Q Mr. Messerly, this investigation is being taken pursuant to the rules of the Nuclear Regulatory Commission and we are at the U.S. Federal Courthouse, a part of the U.S. Attorney's Office, Room 524 in Port Worth, Texas. This is Thursday, April the 14th, 1983 and we're commencing this, it look-like, at 2:01 p.m. Present for the NRC is Richard K. Herr, the director of office of investigations and myself, H. Brooks Griffin.

I understand, Mr. Messerly, that you are a former employee of Brown & Roct and were employed at Comanche Peak Steam Electric Station in Glen Rose,

| 1  | Texas. Is that correct?                        |
|----|--|
| 2  | A Yes I was, uh-huh (affirmative).             |
| 3  | Q And present with you is Ms. Juanita          |
| 4  | Ellis.   |
| 5  | MR. GRIFFIN: Ms. Ellis, if I might             |
| 6  | ask you, what is your role in relation to Mr.  |
| 7  | Messerly?                                      |
| 8  | MS. ELLIS: All right. Mr. Messerly             |
| 9  | is one of the individuals which we had planned |
| 10 | to call in hearings which have been postponed  |
| 11 | for the time being, at least, in the Comanche  |
| 12 | Peak operating license proceedings.            |
| 13 | #R. GRIPFIN: All right. And you are            |
| 14 | here in his behalf?                            |
| 15 | MS. ELLIS: Well, yes. He asked that            |
| 16 | I come and join him so that he would have      |
| 17 | someone here that he felt comfortable with. Ee |
| 18 | felt that he would feel a little more          |
| 19 | comfortable with someone else here.            |
| 20 | MR. GRIFFIN: Do you represent him in           |
| 21 | any way other other than just an associate or  |
| 22 | in the manner you have already described?      |
| 23 | MS. ELLIS: In the hearings I'm                 |
| 24 | not an attorney first of all. In the hearings, |
| 25 | though I am CASE's primary representative and  |

as such do what an attorney, I should say, would do for CASE. And so to that extent I guess sort of a quasi representative status.

ask Mr. Messerly questions concerning an earlier statement that I believe he made to you in which he identified a number of issues that are of concern to the NRC, and we would like to find out more specific details about these issues. So my questions will be directed to you, Mr. Messerly.

A Okay.

The first issue I would like to go into is the use of a rebar drill or a drill at Comanche Peak that I believe you have indicated was used, that you used in your job and was also used to drill through cement and rebar; is that correct?

A That's correct.

Q Would you mind telling me in more detail what this drill is?

A Well, it's like it says. They call it a rebar eater, it's made by Drilco manufacturer who is out of Miami, Florida and it's a -- well, they have a diamond tip on them or they have a real hard steel tip on them that cuts through other steel, concrete, anything else that gets in its way. And they are

| 1  | operated by anywhere from a half to a three-quarter |
|----|---|
| 2  | horse electric motor.                               |
| 3  | Q Okay. And did you use this machine in             |
| 4  | your capacity as an employee of Brown & Root?       |
| 5  | A Well, I was foreman over the crew that            |
| 6  | used this machine.                                  |
| 7  | Q All right. Did the use of this machine            |
| 8  | require documentation from                          |
| 9  | A It did.   |
| 10 | Q from engineers?                                   |
| 11 | A It did.   |
| 12 | Q And these were Brown & Root engineers?            |
| 13 | A Right. Not Brown & Root, they were Gib            |
| 14 | and Hill. They are the ones that first started it   |
| 15 | when they first come on the job.                    |
| 16 | Q All right.  |
| 17 | A A guy named Dean Fellinger is the one if          |
| 18 | you want his name.                                  |
| 19 | Q He was the one that issued                        |
| 20 | A He was the one that started out with me           |
| 21 | on the rebar drilling, and later it changed into    |
| 22 | fourteen different people if you want to know the   |
| 23 | truth about it.                                     |
| 24 | Q What was his last name?                           |
| 25 | A Fellinger. He is still with Gibbs and             |

| •  | BILL and he is out of the ballas office how.         |
|----|--|
| 2  | MS. ELLIS: I believe that's                          |
| 3  | F-e-1-1-i-n-g-e-r. I have seen his name.             |
| 4  | THE WITNESS: Do you know who I'm                     |
| 5  | talking about?                                       |
| 6  | Q During the time that members of your crew          |
| 7  | used rebar eater, did they make sure they had this   |
| 8  | documentation?                                       |
| 9  | A Most of the time yes, but there are times          |
| 10 | that I was ordered by my superiors, a guy named Mike |
| 11 | Sanders, to order or go out the gate, as I stated in |
| 12 | my affidavit before.                                 |
| 13 | Q Are you saying he asked you or told you            |
| 14 | or ordered you to drill holes or use this drill in   |
| 15 | the manner in which it was to be used without        |
| 16 | documentation as required by procedure?              |
| 17 | A I am saying that.                                  |
| 18 | Q How many instances did this occur?                 |
| 19 | A I wouldn't I mean, just to give you a              |
| 20 | number, I couldn't do it. Many times.                |
| 21 | Q Okay   |
| 22 | A As far as number, you're going to say              |
| 23 | more than this or less than this, I can't give you a |
| 24 | number. I won't give you a number because I don't    |
| 25 | have that much well, how can I say it, I'm just      |
|    |  |

not there. The drill -- I was ordered to loan the drill out at times. I was ordered to loan a guy a drill bit that he would go get a motor, a drill motor out of the tool room and I'd never see these three, four, five, six bits again. Now, how many holes were drilled with it there's no telling how much rebar was cut.

A man comes up and says, I want you to give so and so six drills, he's got a pipe hanger that has to go down or a cable tray that has to go down - a cable tray support - and we have got three holes in it and we need the fourth one bad. And I went to my general foreman at that time who was Pete Mason, and I told Pete, I said Pete, Mike keeps giving me these ciders to get this drill out, loan it out to drill holes that are not authorized. I haven't got the paperwork from Dean Fellinger. I said, what can I do? Be said, man, he's my boss, what do you want me to do?

O Do you know for sure that the people that you loaned this drill to did not acquire the documentation that they needed to stay within procedure and use this drill?

A I'm positive they did not get the procedure, because any time the procedure paperwork

Fellinger and I handed it to my men and seen that the job was done. Because there were areas out there that there was -- strictly was illegal at all to drill any kind of rebar or cut any kind of rebar, Reactor One was one of them. No rebar of any kind was allowed to be cut in that building anywhere.

- Q Is this the containment building?
- A Containment building, Reactor One.
- Q What the NRC would like to know in this instance is the specific locations where holes were drilled without proper documentation. Is there any way that this information or these locations can be determined, reconstructed or anyplace we can go, anybody we can go talk to to find out specific locations?

A Let's see, Danny Brown borrowed it several times to drill holes. He's still working out there. Other than getting shold of Mike Sanders, Danny Brown is the only one I can think of. And as far as sitting here and telling you locations, evidently you haven't been out to that plant.

- Q I have, yes.
- A Well, I had access to every building on

that place. I have been in every building. I have cut rebar in every building but containment one, except the dam. Now, does that tell you anything? Now, to go tell you to go to a certain wall and see if the rebar is cut is impossible.

Q You understand what we're trying to do with the information. We're trying to find out specific locations --

A Right.

saying. Let me ask you, in your statement that you made to Ms. Ellis, you identified a diary that you have kept and in this diary -- it's my understanding in this diary you logged in instances or times when this rebar eater was used to drill holes when you did not have the proper documentation; is that correct?

A No. This is --

Q Was this just a work --

This goes from 9-7-78 to 10-17-79. This was the period in which I was in charge of the rebar eater. And this documentation, there's some of them most of them have documentation. It also has the CMC number, and like at the beginning it was a DCDDA or something. I got it wrote on there someplace.

| 1  | DCDDA is what they started drilling rebar with.     |
|----|---|
| 2  | Then they find out this was not the right           |
| 3  | documentation. Then they changed it to a CMC, but   |
| 4  | when they first got it they were doing it on        |
| 5  | three-part memos.                                   |
| 6  | Q But   |
| 7  | A And this is every hole that I drilled,            |
| 8  | legal and illegal, and except for the ones where my |
| 9  | equipment I was ordered to loan my equipment out.   |
| 10 | Q All right.  |
| 11 | MS. ELLIS: Just for the record, we                  |
| 12 | probably should mention that Mr. Messerly is        |
| 13 | referring to a looks like a twenty-four page        |
| 14 | listing which he had prepared of these              |
| 15 | different items and he will be giving that to       |
| 16 | you.  |
| 17 | Q Is this a complete rendering of this              |
| 18 | diary   |
| 19 | A Uh-huh (affirmative).                             |
| 20 | Q 50  |
| 21 | A It is in complete form.                           |
| 22 | MR. HERR: Is it marked? You said                    |
| 23 | legal and illegal. Have you got the illegal         |
| 24 | stuff marked on it?                                 |

THE WITNESS: No, I really haven't

but if it doesn't -- it's going to have to be interpreted by me, which I'll try to explain to you or I can tear off a page and y'all can look at a page --

MR. HERR: Perhaps take a blue pen or a red pen and we'll mark the illegal stuff.

THE WITNESS: No, I won't do that. I can't do that because I didn't keep that much of it. I mean, you can take a look and flip through it to see what it's talking about. I didn't do that -- as far as that, if I had kept that kind of a record, it would have been a separate record or something like that.

Q Would any of these entries in this document lead us to the locations of where holes were drilled without authorization?

A It's very possible. It is very possible.

MS. ELLIS: If I can call your attention to this third column here, it says "rebar cut" -- it's upside down. But in this column, this is where specific rebar was cut apparently and --

THE WITNESS: Yeah, what I did was, I marked down -- this was my own deal and my own idea, because there were certain areas that you

1 were supposed to take out a percentage of the rebar. If you cut a hole in the rebar it 2 3 should have been reported and thus and so forth. 5

- In those instances, did you report it? 0
- Yes, I'm legal. So is this thing.
- 0 Okay.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

But it gives the direction of the rebar, which way it was running, north, south, east, west. It gives the depth that I cut the rebar and it also gives the percentage of rebar, just me looking at a piece of rebar and saying I cut fifty percent, ten percent or if I just nicked it, just whatever after the hole was drilled.

But on each of those entries, does it Q tell the location on the site out there?

It tells you the location, what building, what print number it was taken off of or the hanger number itself. So all you got to do is look up that hanger number and it will give you the area and exact location of this particular hanger.

- All right. So any -- which column shows the authorization?
  - This one here. A
  - 0 Okay. So if that column is left blank,

then that would be an example?

A Not necessarily blank. I don't know how in the hell to put that without sounding silly.

Q We are going to need to identify -- we're not interested in the ones that were done properly. We're only -- we want to look at the ones that were done without documentation as required by procedure.

MS. ELLIS: We're referring to the fifth column now on the far right.

A No, there's really not no way of telling, not without looking up the hanger number and find out what was done on the hanger. You will just have to go over each individual hanger and check the CMC and see what was legal to cut and what was not legal to cut.

MS. ELLIS: You might mention, too, in this column the ones on the front page all seem to have items by them, but on several of them throughout the listing there were none. So it's not -- each one of these items, in other words, doesn't have rebar cut necessarily. It's just as indicated on there.

At this point I was just trying to limit it to holes drilled without proper authorization, regardless of whether rebar was cut or just

concrete. If the drill was used improperly, we're trying to identify those instances.

Can you think of any way with this document or any other documents you may know exist that would lead NRC inspectors to specific locations where holes were drilled without proper authorization? Do you see what we're trying to get?

You're trying to make your job real easy and there's no easy way way to do it. I'm serious as hell there's just no easy way to go to it because you have so many things out there that's been like this, and for me to pinpoint and give you an exact area by this or any other means — I might be able to walk out there and show you things if I walk with you and say, this was done here and this was done here. But you're asking me to remember back three, four years, too, and if you have ever been in that area, if you go in there a week later it's all different.

I understand what you're saying. Can you think of any way that I can transmit this information to an inspector or to a group of inspectors where we might be able to identify these? You're right, we are trying to make it easier in that we can't reinspect all the holes drilled at

| 1  | Comanche Peak since its beginning, since the         |
|----|--|
| 2  | foundation was poured.                               |
| 3  | A This rebar didn't come in until this date          |
| 4  | here.  |
| 5  | Q In other words, we want to address this            |
| 6  | potential problem.                                   |
| 7  | A I can't think of the guy's name. There's           |
| 8  | one area down in the tunnel what they call the       |
| 9  | tunnel area, and he was foreman over it when he      |
| 10 | borrowed that drill. He cut a bunch of rebar down    |
| 11 | in there and it would be a damn good place to start, |
| 12 | Q If we talked to this man, do you think he          |
| 13 | would be willing to tell us?                         |
| 14 | A I can't think of his name. Yeah, I do.             |
| 15 | I really do. I'm trying to think of his name; I      |
| 16 | can't think of it.                                   |
| 17 | Q If you cannot remember his name today              |
| 18 | would you mind giving us that name when you do       |
| 19 | remember it?   |
| 20 | A Be's still working out there. He got               |
| 21 | fired and he was he went into the pipe department    |
| 22 | at Green Hat now. He's a welder.                     |
| 23 | O Do you think you will remember the name            |
| 24 | eventually?  |
| 25 | A If I don't I've got it at home I would             |

| 1  | call you, but he might testify. And if you could     |
|----|--|
| 2  | get shold of a Richard Montjar (phonetic), he was a  |
| 3  | man  |
| 4  | MS. BLLIS: Do you know how to spell                  |
| 5  | that?  |
| 6  | A M-o-n-t, something like that. It's                 |
| 7  | pronounced Montjar, but he's in Germany now, I'll    |
| 8  | tell you that much.                                  |
| 9  | Q Now?   |
| 10 | A Yes. Well, he married a girl in the                |
| 11 | service is the only reason well, he was a year       |
| 12 | ago. He might be back over here, now but he's        |
| 13 | married to a girl in the service.                    |
| 14 | Q Okay.  |
| 15 | A But he worked and drilled a lot of holes           |
| 6  | illegally.   |
| 7  | Q Now, these illegal holes that you are              |
| 8  | referring to that he drilled, this was when the      |
| 9  | rebar was, or the rebar eater was on loan?           |
| 20 | A No, he worked for me. But he was also              |
| 11 | around and could be a character witness to what I am |
| 2  | stating as to when I was ordered to do this. And if  |
| 3  | you could pin that Danny Grisso (phonetic) down,     |
| 4  | Danny Grisso used to work for me, too. And if you    |
| 5  | put him on a stand and square him in, he will either |
| 5  | put him on a stand and square him in, he will ei     |

perjure himself or tell you about holes he drilled when he was working for me and now he is in charge of that operation.

If you could pin him down, but that company has got him sewed down tight. Be's a puppet.

Pirst of all, let me tell you, I'm not an engineer. I have an engineering or technical background, but let me see if I can phrase this.

In the holes that were drilled by your crew members without proper documentation, can you remember any instances or did you witness any instances where damage was done to containment or any of these other areas where the drill was used that would constitute a safety or health hazard or possible weakening of the structure?

A Well --

Q I know that's detailed.

in steel, I have been in supervision, I have been out there working. And when an engineer designs something, he designs it for that particular thing, for that particular strength. All right. If somebody comes in there and cuts part of that out without documentation, there's your answer. But I'm

not an engineer.

O So you're saying, if I understand you correctly, you're saying that if it's done, then who knows what the effect will be?

that designed it. If he puts in fourteen rebars there and you cut out seven of them, then you have weakened half of them, what he designed it to hold. And I have went down walls in that particular tunnel that I was talking about and we were putting up to hold thirty-two inche lines down there. I wasn't, this guy was if I could think of his name. And we had to cut a bunch of rebar down in there.

This was, I'm -- well, quote me if you want to, I think, I'm not sure, but I think this was an area that wasn't supposed to have any rebar cut out of it.

Decause you have accused me of looking for the easy way. I would like to be able to walk out of this room today and go find examples or instances of holes drilled down there without proper authorization. I hope there's some way we can figure cut how that can be done because we would like to follow up on this.

A If I could just think of one exact hole that I could remember. I know of three on the turbine deck, but I'll be damned if I can remember what area. There's another deal where I would have to go out and it's completely changed over now, and it would be a spot check between three or four hangers.

Q All right.

A In fact, out of the three or four, I think you will find a Hilti-bolt welded on the back side because they couldn't get a hole in the ground.

What would it take to refresh your memory as to a possible location?

A I have no idea. The documents you could get is -- now, this would be Turbine One area which would cut it down quite a bit. It's around them tanks that they covered with the aluminum siding and insulation. I don't know what tanks, what they are called, them big long tanks up on the turbine deck. And it was right alongside one of them tanks there that three holes rebar was cut in without documentation.

Q Was there anybody else present that might be able to further identify, help us identify this location?

There was Richard Montjar. I should have brought my time books with me. I'm not really sure if Danny Grisso was there or not. Is it your personal belief that Grisso could identify locations? Yeah, I think he could, but I doubt if you will get him to do it. Is he still employed by them? Yes, he's very much employed. 

Q All right. Well, I'll tell you, let's move on. We have got several other --

MS. ELLIS: Perhaps if you had Mr.

Grisso appear under these circumstances, you know, sworn with a stenographer and so forth, maybe it might enable him to say things that he might not feel comfortable saying not under oath.

A I seriously think Danny would. I have known Danny for quite a few years. I went through a divorce with him and everything else when he was working for me. But right now that company has got him bought and paid for.

Q I can assure you the NRC is not bashful about going and asking, so we will --

MR. HERR: I have one question I

would like to ask. Did you see any of these people using the drill improperly? I know you said you loaned them the drill out, but did you ever see them use it?

THE WITNESS: Oh, yeah.

MR. HERR: And that was during the time frame --

THE WITNESS: That was during this time frame that this covers.

MR. HERR: Okay. That's the only question I have.

Will that document that you are providing us, will examination of this document, say, by an engineer, would it lead to any locations where such holes were drilled? Seems this fifth columns seems to be filled in.

A What I would do if I was you, I would go pull these CMC's and DCDDA all through it with an engineer, bump it against the number of the hanger and see what was authorized to cut and what was not authorized to cut, and then come back and bump it against this, like a hundred percent cut out and if that was really legal in that area to cut out a hundred percent.

Q Do you think, then, a random sampling

done like that is going to reveal instances of holes
cut without authorization?

A Uh-huh (affirmative). I really do.

MS. ELLIS: It would seem to me on that third column there where it shows the amount that was cut out, that it would be prudent at least to check all the ones where it says a hundred percent or maybe as much as fifty percent have been cut out.

A Because the way I understand that, on the first part, all this -- these DCDDA's and all that and the three parts were all illegal.

- Q You mean where it says DCDDA?
- A Yes.
  - O Those are illegal cuts?
- A At the beginning they were, and then they changed it to a CMC. Now, if they went back and covered their butts on that DCDDA I don't know.
- Q If we checked all the ones that -- the DCDDA and checked that number it might lead us to locations?

A I would try that first and find out if this was a legal document, because according to Dean Fellinger the engineer, that was all wrong until he come up with the CMC -- talk Bob -- CMC idea that

1 had to be wrote by a specific engineer. 2 Q As I flip through here, I only see that 3 DCDDA recorded twice. Are some of these other items also that type of number? 5 All right. Here's one that was wrote on 6 an RPIC. That was illegal, too. And a DCDDA --7 MS. ELLIS: Are all of these numbers here, are those all --8 9 THE WITNESS: They could be CMC's and 10 they could be DCDDA's. I'm not real sure about 11 which they were. God, that's been, '78? 12 Right. 13 I really need to sit down -- I haven't 14 looked at this other than a couple of days ago since I have been out of it, and I could probably sit down 15 16 with somebody, and be glad to, to try to more or 17 less interpret exactly how it was wrote and what it 18 is. 19 Okay. We would greatly appreciate that. 0 20 I would. I will; I'll be glad to do it. 21 MR. GRIPPIN: Do you have any more 22 questions, Dick? 23 MR. HERR: No. 24 Tell me now, you say, if I understand correctly that this unauthorized use of this rebar 25

eater, is it true you were threatened with termination if you failed to loan it out --

A If I failed to do anything that this man said as far as that rebar eater loan-out or drill bits or the whole operation or failed to drill something myself and my crew, I was told that I would be terminated if I didn't do it.

Q Tell me what his name is again.

A Mike Sanders. You have to understand out there exactly what the deal was. At that time Hal Goodson was the superintendent. Mike Sanders was, I guess, twenty-six, twenty-seven years old and had never done any kind of work like that in his life and he was right underneath Hal Goodson as a three-stripe general foreman. And Hal Goodson had one thing out of his mouth, and that was production. He didn't come out and say it, but he didn't give a damn how you got it --

Q Okay.

A -- as long as it showed up on paper. Be wanted production, he wanted pipe hangers up, he wanted cable tray supports up and he wanted them on the wall and completed and bought off. He didn't give a damn how they were put up, and this is what Mike Sanders did. And in doing so, if they ran into

a problem, you've got to to figure some holes were drilled, a hundred and something holes for one hanger to try and find a decent spot to hang it without hitting rebar. This brings on frustration on the men, they go to their foreman, the foreman goes to Mike Sanders, Mike Sanders says go down and see Messerly and drill the damn thing and put it up.

I understand. Let's move on. You stated in your affidavit to CASE that you observed or witnessed the use of the polar (phonetic) crane to pull up a piece of thirty-two inch pipe; is that correct?

A That is absolutely correct.

Q I'm not an engineer; I don't understand the significance of this. Could you explain it to me, please?

A All right. What it amounts to is the main steam pipe has a condensation joint like for -expansion joint is what it's called. It's a huge horseshoe type shape, and this thing is coming out of the turbine building. All right. This thirty-two inch main steam pipe, it's coming out -it's anchored in concrete all the way around it, it's a fixed object, you can't move it, right? It comes into this expansion joint, makes huge

horseshoe shape and it goes down into each one of the steam generators, which there's four of them, in the containment building.

It was attached through the wall and it was also attached to the steam generator in the compartment inside the containment building.

Somebody come along after these pipes had been in there, because somebody else was hollering, production, production, production, and found out that the main steam line was six inches off of location on the vertical way and four inches on the horizontal way off of location. There is a guy --

THE WITNESS: What was that guy's name? Have I got his name down there?

MS. ELLIS: I don't think you have got a name in here.

A I'm hell on names today, ain't I? But what this gold hat did was ordered his people to raise it up with the polar crane. I can't remember the exact tonnage that was put on this because they had a big gauge on it that showed tonnage when you pull on it. A big round gauge looks like big clock, and whatever tonnage -- seemed like to me it was eighty-five tons, it was ungodly because everybody scattered when they seen that needle going up as the

crane was pulling on it. The reason I know this for a fact is because I was pipe hanger foreman at that time between 860 and 905 elevation in the containment building. I had all of main steam and all of fourteen-inch feedwater lines that run all through that area.

Q Supports for them?

î

1"

A I had all the pipe supports. And I had to undo my pipe supports, let him pull this up, Rex Broom, which is a guy about -- I don't know, if you seen him you would think he's eight foot tall, but he's only about seven feet tall and four foot wide, I'm serious. Look him up out there, you will -- he's got a head on him that big around.

He was on three tons come-alongs pulling the horizontal way. And they put it into position and once they got into position, I had to go back d change my pipe support dimensions and hold that

in position. When they cut the temporary caup that they had welded to the steam generator cose, it flopped like fourteen inches and echoed arough that whole containment building.

- O So you're saying they put this complete ipe under tension in this movement?
  - A (Nods head affirmatively).

Q And it was secured into the wall on one end and temporarily unsecured to the steam generators?

A It was temporarily secured, welded to the steam generators with temporary pipe. It's a thirty-two inch line that goes into the steam generators.

2 So the pipe was attached at both ends and the center portion or some portion in between the two ends --

A The expansion chambers is where they moved the pipe at.

And they were -- this is a complete unit, so it was put under tension; is that what you're saying?

A Yeah.

Q And then you put in the supports to hold it in that position?

A The supports were already there. In fact, several of my supports could not be used no longer, that's how far they moved the pipe because I was allowed so many degrees for my pipe hangers to be off of dead center of that thirty-two inch main steam pipe. And when they moved it with these come-alongs, and the overhead crane -- several of my

pipe hangers had to be completely removed and started over again and redesigned to move over to the center of the pipe. They moved it six inches horizontally or six inches -- damn it -- six inches up vertically and four inches horizontally.

- Q And yet the ends remained in the same place?
  - A (Nods head affirmatively).
- Q Today would that same -- would it be in the same condition as far as you knew it was when it was -- when your supports were put back in place, or reconnected or --
  - A What do you mean, the same position?
- Q In other words, is it still under tension?

A I would say yeah. Because I know they did -- well, they moved from where it was welded to the steam generator with the temporary pipe. I would imagine now that they have the thirty-two inch pipe going down after they got it on its last location, that they have got permanent pipe in there now, which would still put where it comes through the wall in the same bind that it was originally when they done it.

Q When did this occur? Do you remember

| 1   | what year?   |
|-----|--|
| 2   | A Bad to be right before I got fired, in           |
| 3   | that summer I'm pretty sure.                       |
| 4   | Q Summer of what?                                  |
| 5   | A '82.   |
| 6   | Q Summer of '82?                                   |
| 7   | A Might have been earlier than that.               |
| 8   | Q From the way you described it, sounds            |
| 9   | like everybody knew this was taking place?         |
| 10  | A Hell, yes, anybody that was in the               |
| 11  | reactor. My general foreman, Ed Dean told me to ge |
| 12  | my people and get the hell out of 860 and go       |
| 13  | someplace and hide until that idiot got done.      |
| 4   | Q Was there an engineer in charge?                 |
| 1.5 | A Hell, no, there wasn't no engineer up            |
| 16  | there. It was just that stupid gold hat that they  |
| 17  | got up there that they call the pipe fitters. A    |
| 8   | good friend of mine got fired what the hell was    |
| 9   | his name he got fired once because of his          |
| 20  | MR. HERR: What's his name, the gold                |
| 21  | hat?   |
| 22  | THE WITNESS: Damn, I can't remember                |
| 23  | his name either. I should brought my paper; I      |
| 24  | had all that crap wrote down.                      |

25

MR. BERR: Was he the guy in charge

of moving this thing, the gold hat?

THE WITNESS: Yeah.

MR. BERR: Is there any documentation on that?

THE WITNESS: To my knowledge, no. I knew the foreman real well. Don't ask me his name. All of a sudden names escape me. I got his name at home, too.

Q You may not know the answer to this question, but just for my information, is it possible for all these people to be involved in what sounded like a major operation and management all through the company not know that this event was taking place, including the engineers that would have -- might have an opinion on any kind of movement of such a large piece of material? I'm just asking your opinion.

A I want to give my opinion, but I want to try and explain something to you. It's very possible, because you got no communication out there between the crafts. You have a pipe engineer -- say you're a pipe engineer and I am a cable tray engineer and so forth and so on down, just name any branch in there. We're sitting across from each other in the same office, but we don't tell each

other a damn thing. We don't talk to each other about coffee and yes, it was possible because your management out there, your upper management controls the place. If they want to do it, all they have to do is say, do it. Well, we haven't got the correct paper works. I don't give a damn, I said do it.

Now, what choice have you got? You're out there trying to make a buck and feed a family. You ain't got no choice and most of your upper supervision out there at that particular time, they were all a clique that came up from North Carolina and all buddy-buddies, and most of the upper supervision — how in the hell I ever got to be a supervisor out there I don't know because I don't know anybody and I ain't got no kin out there, but that's what all your upper supervision was, and ninety percent of your foremen out there are the same way.

I noticed that at one place in your affidavit here -- moving on to a different subject now -- you talk about the fact that you reinstalled hangers on the feedwater system?

- A Uh-huh (affirmative).
- Q This was, I guess, what, a major rework project?

A I would call it a major rework. I wish I had them books. I would like to show you how many times I rebuilt hangers out there.

Q The same hangers?

A Same hangers over and over and over again.

I've only got one question on this. You say you worked at that for a long time. Was the work done by your crew done properly as far as you know?

A Yes, sir. It was done exactly right, bought off by QC and everybody else and somebody came through there and said, hey, they have been redesigned wrong, let's tear them down and redo them. And as far as I know on December 7th, '82 when I left there they were still working on feedwater lines and I had them all completed on the big feedwater that floods that whole containment area.

Q A different subject again. I notice in your report that you make reference to notice to employees. This is a notice -- I believe it's called a form three NRC document?

A Yes.

MS. ELLIS: That's a two-folding

deal.

Q While you were employed at Comanche Peak, did you see any of these documents posted?

A Never. In the four and a half, five years I was out there, never did I see one on any of the bulletin boards, and I had access to that whole plant.

Q All right. If there had been one, do you think you would have noticed it?

A Yeah, because I was always looking for a deal. I read every pamphlet on all the bulletin boards when I ain't get nothing else to do.

Q And what time period -- remind me, what time period were you employed out there?

A Prom Pebruary of '77 until December the 7th of '82 -- or '78, I think. Well, in February of '83 I would have been out there five years.

Q All right.

A And a foreman four years and -- little over four years, or right at four years. I got foreman in June, I went to work in Pebruary. I made foreman and supervisor in June and I was fired in June, so right at four years I was supervisor out there.

Q Okay. I want to ask you about the use of

- a cutting torch on hangers. I don't personally
  know, is it improper to use a cutting torch to tear
  down or alter a hanger?
  - A Not to tear down and alter, but it's illegal to use it in the containment building where I was the entire supervision, when I was hanging pipe supports. You drill everything and everything has to go on the wall according to the drill size. I took down a hanger took down several hangers that was put up by this general foreman out there that I tried to fire.
    - Q Which one is this?
    - A Oh, boy.

- Q Was it your general foreman?
- A No, he wasn't my general foreman. He worked for me. I tried to fire him while he was working for me.
  - Q You were a foreman?
- A Yeah. They call them supervisors out there. You got a supervisor, a general supervisor, a three-stripe general supervisor and then a superintendent.
- Q I see. Is a foreman higher than a general foreman?
- 25 A No. The general foreman's got two

stripes on his hat.

Q So this guy was your boss?

A Hub-uh (negative). He later made general foreman because he went out to Raymond Hebert's house and built him a little sun deck and a little porch and patio and all that, and then he became a general foreman overnight over in pipe hangers. I heard he got fired, which I hope he did.

He had taken a torch and cut the back side of a tube out because a lot of bolts are put in like this, the holes in the wall. They are supposed to be straight, ninety degrees off the wall. They're anchored in the wall, poured into the concrete.

MS. ELLIS: Fichman inserts.

A Yes. And you go to hang a pipe hanger on that and they give you a threaded piece of steel and you're supposed to stick it in there and it's supposed to come ninety degrees off the wall. Well, they come off this way and come off that way and come off this way and this way --

MS. ELLIS: For the record, could you kind of try to describe those angles that you are talking about? That's kind of hard to do sometimes.

Q Let me just ask you, maybe it would be

| 1  | more clear at least to me that were these, I      |
|----|---|
| 2  | think these are called anchor bolts or something  |
| 3  | like that?  |
| 4  | A You got Richman inserts is what are in          |
| 5  | the concrete wall, poured in around the concrete. |
| 6  | Q And you say these were installed at             |
| 7  | improper angles                                   |
| 8  | A Yes.  |
| 9  | Q for the supports that they were to be           |
| 10 | attached to?                                      |
| 11 | A Dh-huh (affirmative).                           |
| 12 | MS. ELLIS: Off the record.                        |
| 13 | (Discussion off the record.)                      |
| 14 | (Brief recess.)                                   |
| 15 | Q These bolts that you are discussing, do         |
| 16 | you know where they were located at the site?     |
| 17 | A Are you talking about the Richman               |
| 18 | inserts?  |
| 19 | Q Yes.  |
| 20 | A Well, narrow it down between 860 and 905.       |
| 21 | I had that whole elevation and all of your        |
| 22 | compartment rooms.                                |
| 23 | Q Well, do you know specific ones that were       |
| 24 | A The only way I could give you a specific        |
| 25 | would have my record of my hangers that I done    |

and be able to say, well, this hanger or that hanger 1 was done that way. 2 3 Would you have recorded the traveler for 4 the hanger if one of these bolts or these inserts --5 A No. 6 -- were improperly installed? 7 No, because we drilled holes this way, we 8 drilled holes up, we drilled holes down due to the 9 installation of the insert. 10 If you found an insert that was 11 improperly installed or not at the correct angle, did you drill these holes to repair it? 12

MS. ELLIS: I misunderstood, so explain how that works with these deals. How do they get into the wall to start with?

No. You don't drills holes in concrete.

THE WITNESS: They tie in the rebar when they pour the concrete, and they got a piece of foam in them to plug the hole, and all you do is dig the foam out and stick your threaded rod in there.

MS. ELLIS: So rather than drilling a hole to put them in to begin with, they have some kind of a form or something and they are

13

14

15

16

17

18

19

20

21

22

23

24

Not in the insert.

poured -- initially when they pour the concrete they are in there to start with?

THE WITNESS: Originally their plans were to put in so many inserts in a wall area or ceiling or whatever. They just put in a bunch of inserts; ever so many feet they put in an insert. And hopefully what they were hoping was they could come back and put a pipe support, a cable support or electrical support, whatever, a conduit and use these inserts that were put in there -- which turned out they didn't use half of them -- and they had to be grouted over the ones that weren't used or had to have a hole drilled in there by a Bilti drill in which they changed the entire operation on unit two and went to a solid steel wall imbedded in the concrete with stude welded right to the steel wall and the concrete poured around them.

Q Are you saying that they put this steel in the wall and started welding to that steel?

A Started welding direct in unit two. It takes in safeguard two, auxiliary two, containment two.

Q Are you saying that the problem then that

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

| 1  | we're discussing was in containment one?             |
|----|--|
| 2  | A Yes.   |
| 3  | Q Where there was no steel wall                      |
| 4  | A Well, they started on the I think on               |
| 5  | the 905 pour, when they poured 905 floor and beams   |
| 6  | in there, they started putting steel in them. But    |
| 7  | from 905, the bottom of 905 down, there wasn't any   |
| 8  | steel imbedded in the wall, just a few plates and    |
| 9  | stuff.   |
| 10 | Q The use of the steel in the wall took the          |
| 11 | place of these inserts because you could attach      |
| 12 | directly to the steel?                               |
| 13 | A Well, it had a sheet of steel there you            |
| 14 | could put whatever hanger you wanted to.             |
| 15 | Q Okay. When your crew ran into these                |
| 16 | inserts that were at the wrong angle, placed at the  |
| 17 | wrong angle, how did you attach the inserts normally |
| 18 | or how did you attach your hanger to these?          |
| 19 | A I drilled the hole in the tubing at an             |
| 20 | angle, whatever the angle was, because you don't     |
| 21 | bend inch and a half threaded rod. Normally you      |
| 22 | don't.   |
| 23 | Q You drill a hole?                                  |
| 24 | A Drill a hole at an angle, and then I have          |

seen them put in documentation on some of the

hangers they put a tapered washer on it to allow for the angle that the threaded rod came out.

Q And then you say they grouted over the other hole?

A Unused ones had to be grouted. You had a dimension from one hole to another that you could drill. There was a dimension in your nine point six documentation out there how close you could drill to a Richman insert, how close you could drill to another Hilti-bolt or how close you could drill to another attachment or steel plate or whatever. There's all kinds in your nine point six.

Are you saying that these redrillings or these angled drillings into these inserts constituted a procedural violation on unauthorized drilling?

A Well, there again, you can go back to being that neither one of us are engineers. These inserts are tied to rebar with wire, all right? To be at a hundred percent, they have to be surrounded by concrete a hundred percent, and they have to be ninety degrees off the wall. When you stick something in it, it should be ninety degrees off the wall. If you have got this thing in there at, say, at a ten-degree angle, you've not got the same

pulling capacity or coming out of the wall as you have if it's straight.

Q Let me ask you this, then. How many instances do you know of in which there were -- many?

A How about ten that were right and the rest wrong.

Q Is that right?

A Now, that's the percentage.

Q What did QC said?

A QC never seen them. QC didn't see nothing but the finished product.

O So the finished product they saw was a bolt sticking out that was attached to a hanger and it looked to be proper?

A (Nods head affirmatively). QC don't get in behind the hanger. You had a one-inch plate that goes in behind, say -- for instance, we used a six-inch tube vertical on the wall and say we had two of these inserts. All right, we drilled completely through the tube, used a one-inch washer in the back of the tube, a one-inch washer in front of the tube, and this one inch or inch and a half threaded rod went through the washer, the tube, the washer and into the wall.

Now, if it was at an angle, QC never sees this because there's a nut on top of that.

Q Were the engineers aware of this manner of altering these inserts when they were at an improper angle?

A Man, I tell you what, I have been around a lot of places in my life but I have never seen anything out there -- if they call themselves engineers -- I don't know what you'd call me, a nigger aviator, I guess. But I'm telling you, they don't communicate, they don't go out in the field. How in the hell can you solve any problem if you sit in this office and you don't go out into the plant? That was their problem.

Q Would you mind telling me the original instance of this manner of correcting these, the angle of these inserts?

A Only way to correct it is not use it and drill around it and drill a straight hole. You don't put a Richman anchor in after the concrete is poured.

Q Who was directing that they do it, though?

- A The Richman --
- Q These redrillings.

Your building department. 1 A 2 Who specifically? Somebody had to decide 3 that it was going to be done this way. Do you know who? 5 No. I imagine that comes from your original Gibbs and Hill drawings or something. 6 7 I'm talking about the variation, this 8 changing the angle without -- to make it improper, where the angle is wrong. 9 10 I'm losing you someplace. I don't know what you're saying. 11 12 You're saying it's supposed to be at 13 ninety degrees angles to the wall? 14 A Yeah. And you-all were changing the angles so 15 it would fit --16 17 We weren't touching the Richman now. 18 Only thing we did was take the threaded rod, and whatever angle it is, we would drill it at that 19 angle so that it would come through the tube and 20 21 when it come out the other side of the tube, it come 22 out as close to center as we could get it. 23 When you talk about tube, are you talking 24 about tube steel?

Dh-huh (affirmative).

On the hanger? 1 A On the hanger. There was no way of 2 changing the insert. 3 Q So the insert remained the same and the 4 5 angle on the tube steel was changed? A Wel, the holes through the tube steel was 6 7 changed. 8 Okay. So does that mean that the tube 0 9 steel had at least two holes in it, one of which was 10 used and the other unused? No. No. I don't know how to describe 11 12 that to you. Say that's the insert. All right, you 13 know me and my drawing. You got a piece of tube 14 steel here. We're going to run this one 15 horizontally. All right, looking at it, here is the hole in the front like so. All right, this back 16 17 hole, we'll say that this angle runs this way to our 18 left. The back hole, if you know anything about a print at all, might be drilled like that. 10 20 Understand what I'm saying, looking straight through 21 the tube? I think so. 22 0 23 Then this one here might be drilled like

straight, so that means that this tube, if I was

thus. But when it come out the front it was

24

sticking it in the wall here, would be at this angle or -- no, this angle, in order to get out, and this here be at this angle and get out. But when you tighten on an inch-and-a-half screw, whatever gives I don't know, but it's flat on the front. And see, you got a big one-inch washer that goes here, the size of the tube and also on the back side of it to space it away from the wall.

Q Okay.

A So we don't change the insert.

Q And you are saying because it's not at the proper angle that it is less than whatever the load factor of its ability to support whatever weight it is supporting?

A Well, again, I'm not an engineer but if something is designed to go in a certain way and it's not there, it's not in that way, then it's not designed right. And it is a weaker point.

Q Okay.

good.

MR. HERR: Did you bring this to anybody else's attention.

THE WITNESS: Yeah. It don't do no

MR. BERR: Do you know who you brought it to?

1.5

THE WITNESS: Oh, you could just about mention anybody else's name of my superiors from Hal Goodson to Mike Sanders to Mike Robinson to Ed Dean to Jim Starkey. There's a jewel you ought to hang.

MR. HERR: What did they say when you brought it to their attention?

\*Hang the damn thing\*. What do you do? And that is all my upper supervisors. You don't know how glad I am to be away from that place. I ain't got no job, but I'm still glad to be away from it. I've never meen anything in my forty-three years on earth run like that place.

Q Can you think of any way that we can identify specifics again of hangers that were, where these holes were improperly --

A I tell you what. I just about bet you, Mr. Griffin, I'm telling you what I bet you. Just go out there and pull any damn studded rod out of there, pull three of them and two of them is crooked.

Q And these were never addressed by QC from that inspection?

A There's no way of checking it. No way of

knowing what angle that thing is in there unless you pull the hanger off and screw a straight rod in there and look at it. But I would say, I would just damn near bet you that out of three rods you get two of them that's crooked.

MS. ELLIS: Just to be sure I understand, when you look at this straight on like QC would come and look at it, everything looks all right from the front and all of the part that you are talking about that's at an angle is, in effect, hidden?

THE WITNESS: It's inside the concrete. Nobody knows it. It's inside of solid concrete.

Q Can you think of any way that we can identify particular areas where this was done? Is this all the areas that don't have steel plate against the wall?

A No. Most of the places that had the threaded rod would be in the compartments, compartments one, two, three and four, and then you have a lot of your other buildings, safeguard and auxiliary, they all got the threaded rod imbedded inserts.

Q Okay.

A But in the containment itself, you would probably find them in the compartments would probably be the major part of them.

- Q All right. Let's go back to this, the use of the cutting torch. Is that --
- these compartments, if they didn't have enough intelligence to find out what kind of angle it is and how to drill the hole from the back and make it come cut center from the front, what this foreman done out there or general foreman on nights, what he done was take a torch and cut about a three-inch hole. And you can see, if I cut if I got this angle here and say we have another one here and the back was at another angle, we just cut that sucker out like that so we can move that thing any way we want to to get it started.
  - Q How do they fill in the hole or is it --
- A They don't fill it in; it's covered with a washer. The only reason I found it out, the hanger that was particularly put up by this guy was designed wrong. I had to go down there and tear it down. And I went to my superior Ed Dean and I said, what are you going to do about this? I mean, I got my butt tore up yesterday because I put something in

wrong or because one of my men had forgot to grout behind a plate. I got called up to the front office about a plate I put up three or four years ago. And it wasn't grouted, the holes wasn't grouted behind the plate. And I was called in and told if they found one more hanger like that that I was going out the gate. I said, Raymond, what the hell are you talking about? I can't stand there and watch fifteen men every five minutes put up every plate, and you're going to fire me for something that happened four years ago, fire me.

And then I go down there and I report something like this to my general foreman. Be reports to Raymond Bebert -- well, this same guy is the one that built the little sun deck or whatever you want to call it at Raymond Bebert's house.

MR. HERR: What's his name?

THE WITNESS: Raymond Bebert.

MR. HERR: No, the guy that did the

building.

THE WITNESS: That's the name I can't

remember.

MR. HERR: The night foreman?

THE WITNESS: He was the general

foreman. I sold him a car. Hell, he used to

be a good friend of mine. I don't have nothing against the guy except he don't know nothing.

Q Can you think of anybody else that we can go talk to that can identify some hangers where they specifically remember that this was done, these cuts were made in the tube steel?

A Let me go home and I can give you a call and I can give some names. If they are going to talk I don't know. If they are still out there, ninety-nine out of a hundred of them are in the clique and they ain't going to talk unless they are utterly threatened, because their jobs are on the line. Bell, they are making thirty-five, forty thousand dollars a year for doing nothing and they ain't going to come over here and take a chance on losing their job. Several of them are still there. I think about seventy-five percent of my crew is there. But if they would talk, I don't know.

Q Okay.

MR. GRIFFIN: Off the record.

(Discussion off the record.)

- Now, you say the fellow that was drilling the holes with the drill, is that this guy --
- A The one I was drilling for. He was foreman in that area. I was drilling holes for him.

- Q And his name is Nathan?
- A Nathan Hammers or something like that,

  Bammers.
  - Q And Hammers might know specific holes drilled --
    - A True.

- 0 -- with the rebar eater?
- A Yeah. If you could corner him, I think he would go.
- O All right. Now, the use of the cutting torch on this tube steel, you say this was at the direction of the general foreman?
- A No. He wasn't a general foreman at that time.
  - O He became --
- A He became general foreman later. He was boy, I tell you what, if you could get in my print
  shack out there and get my log that I kept on every
  damn hanger I got in there, I could tell you who
  worked on it, the name of the person that worked on
  it and when he done it. I kept a daily log, but I
  turned that over to the new foreman. When they
  busted me back, I give him that so he would have a
  record of all the hangers put up. In that log is
  all the feedwater hangers that were reworked and why

and who the person that worked on them, because if anything ever fell back I went to each of them men and said, why was it done this way. Because when you got two or three guys here and two or three guys here and two or three guys here and so forth and so on, you can't be at every place at one time.

But if you could get ahold of that log that was in my print shack, I can narrow them hangers down real close for you.

Q How many would there be?

A Every hanger between 860 and 905 that I put up. Every CT line, every main steam line, feedwater line. It should still be in my print shack.

MR. HERR: Who did you give the log

THE WITNESS: Here we go again. I'm not very good on names as you found out. I can give you his name, too, because I got it in my time book. He was my lead man for me for about six months. He was an ex-foreman down there; his foreman lasted about a month before they busted him back.

MR. HERR: When did you give it to

him?

THE WITNESS: When I got fired -- no, 1 no, in June of '82 when they busted me back is 2 when I gave him everything in that print shack 3 except that document you got there, which was none of his business that I took with me. 5 MR. HERR: And you weren't fired 6 until when? 7 THE WITNESS: December 7th. 8 MR. BERR: Of '827 9 THE WITNESS: '82. 10 MR. HERR: He had it six months? 11 THE WITNESS: He had it six months, 12 and everybody liked the way I kept that log 13 because they could go right to that book and 14 open it up and it would tell what percentage of 15 that hanger was done, who worked on it and the 16 rework and CMC's and so forth on it. 17 MR. HERR: Was it a black or green 18 book? 19 THE WITNESS: No, it was a notebook 20 with paper in it, a regular black notebook. 21 MR. HERR: Three ring? 22 THE WITNESS: Yeah. And in there is 23 everything I have done in four years out there. 24 MR. HERR: Was there any printing on 25

it?

just have -- let's see, I forget what I had on the front of it. I had this whiteout that you use on typing paper. I had something printed on that, main steam or containment one hangers or something like that. I don't remember what it was. You can't miss my shack.

MR. HERR: Where was your shack located?

but now it's outside of the entrance to containment one. It's a bright red shack out there. I painted it bright red because I got in trouble for putting a Christmas tree on it one year. And it's got my name all over it, Bob Messerly, 8895.

MR. GRIFFIN: Do you have any more questions?

MR. HERR: Is there anything else outside of your affidavit that you wish to go into or describe to us at this time?

THE WITNESS: No. Well, I don't really know. If you are going to get into something besides what I have discussed

already, I know it's been brought up before, but if you can get ahold of a guy named Red -- I gave you his name the other day. I ain't got it with me. I wish I had his address. He was a weld tech out there and he can tell you about a lot of that welding. That's another name I'll have to get for you. I have got it on one of my affidavits or something. And there's a Joe Gray that was a welding foreman out there that done a lot of welding illegally without documentation, such as lugs on pipes without purge, and --

MR. HERR: Did he tell you this?

THE WITNESS: I seen him do it.

MR. HERR: Can you give me the

location?

elevation. Roy Estes was foreman at the time, and you might get ahold of a guy named Gary Hill who was foreman down on 808 elevation which had some bad lugs welded on by Jos Gray illegally. Ed Dean was general foreman and they done it on the sly, Raymond Hebert knew about it.

MR. HERR: Who gave the order?

| 1  |          |
|----|----------|
| 2  |          |
| 3  | Dean     |
| 4  |          |
| 5  | Joe G    |
| 6  | 90 dc    |
| 7  | the w    |
| 8  |          |
| 9  | maybe    |
| 10 |          |
| 11 | crewi    |
| 12 |          |
| 13 | about    |
| 14 | <br>talk |
| 15 |          |
| 16 | there    |
| 17 | give     |
| 18 | done     |
| 19 | stuf     |
| 20 | if th    |
| 21 | Joe (    |
| 22 | Q        |
| 23 |          |

25

THE WITNESS: Raymond Hebert.

MR. EERR: He gave it to Dean, and n passed it --

THE WITNESS: Dean then passed it to Joe Gray because he was the foreman. He would go down there and do it and didn't want any of the welders to know about it.

MS. ELLIS: Was there anybody else maybe on the crew that you know of --

THE WITNESS: Joe Gray's crew or my

#S. ELLIS: -- that would have known about this particular thing that you are talking about?

THE WITNESS: Other than Joe Gray and there's another name I need to find out. I can give you a bunch of names on stuff that was done wrong down there that was seen by them or stuff like that. The only thing you can do is if they are still working down there -- I heard Joe Gray got fired, too.

Q Okay. Why don't we wrap this thing up?

We discussed three issues outside of just those notices posted, and we have asked you or you have mentioned names or knowledge of names of

people, although you cannot recall the names right at the moment regarding the use of this rebar eater, the polar crane, that incident and the use of these torches to cut hangers. And do you agree that you will call me and let me know --

A I do.

C -- fill in these names with these situations as you have described them --

A Yes.

Q -- so we can put a complete package together?

A I can give you every name that was in the rebar crew from the time I had it. I have my time books at home. I kept my own time books.

Q We are looking for people that know about these instances of illegal or improper or work done out of procedure.

A These are all the people that were doing it. My entire crew was.

MR. HERR: They were doing that at your direction --

THE WITNESS: At my direction, but several of them were there when Mike Sanders came down and ordered me to do so. And when your superiors tell you to do something and

your job is on the line, that's what you did.

1

2

3

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

MR. HERR: These improper weldings by Gray and some of these, did they tell you that they had actually done it improperly?

THE WITNESS: I have seen them do it. Any time you weld a stainless steel lug on, you have to purge a line after a certain size. you don't purge it, it causes a sugar coating on the inside and sucks that pipe into the piece of steel that you are welding. So what you have is you have a void area inside of a slick steel piece of pipe, just a sunk-in area. The stainless -- on stainless it just sucks it right into that lug you're welding. We're talking about a little lug like half an inch long and maybe three-eighths of an inch high. What it is, it's a lug that keeps the pipe from doing this motion. You weld like four lugs on this side, four lugs on this side around a pipe, and you put a clamp in between it and struts back to a fixed object on the wall and it stops that pipe from going in this motion or up and down, whichever way the pipe is located.

MS. ELLIS: And the purpose of it is to keep the pipe from moving?

|    | : BESTERN STORE (1987) : 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 |
|----|--|
| 1  | THE WITNESS: Right.  |
| 2  | Q Wouldn't that show up on a radiograph?                       |
| 3  | A It should.   |
| 4  | Q And aren't such things radiographed                          |
| 5  | before they are finally accepted by QC?                        |
| 6  | A No. On a stainless you get a hell,                           |
| 7  | they run that dye test on it.                                  |
| 8  | MR. HERR: Penetrant test?                                      |
| 9  | THE WITNESS: Yeah, penetrant.                                  |
| 10 | That's the only thing, as long as the weld is                  |
| 11 | pretty and all that, it wild pass penetrant.                   |
| 12 | But that's all on the inside.                                  |
| 13 | MR. HERR: Do you know one way or the                           |
| 14 | other whether these are involving                              |
| 15 | safety-related or nonsafety-related, or do you                 |
| 16 | know offhand   |
| 17 | THE WITNESS: No, I'm not a nuclear                             |
| 18 |  |
|    | power plant it's all put in there for                          |
| 19 | something. Now, what particular thing this                     |
| 20 | did, I don't know I couldn't be honest with                    |
| 21 | you and tell what you it did without                           |
| 22 | remembering the line.  |
| 23 | MR. BERR: The exact location.                                  |
| 24 | THE WITNESS: The exact location and                            |
| 25 | line number. If you had the line number I'd                    |

tell you what it did. 1 MS. ELLIS: Was it like in the 2 3 containment? THE WITNESS: Everything I done was in the containment. Everything I have 5 6 mentioned here, except for the rebar eater, 7 concerns the containment building in Reactor One, which the reactor is inside containment 8 9 one. But everything I have mentioned in here 10 has happened in here that I have personally 11 seen done. MR. HERR: Do you have anything else 12 13 you wish to add? 14 THE WITNESS: No. I'll give you a 15 list of names. 16 MR. HERR: Thank you very much, Mr. 17 Messerly. 18 (End of statement). 19 20 21 22 23

24

STATE OF TEXAS COUNTY OF DALLAS This is to certify that I, David Cogburn, reported in shorthand the proceedings had at the time and place set forth in the caption hereof, and that the above and foregoing 62 pages contain a full, true and correct transcript of said proceed-ings. Given under my hand and seal of office on this the \_\_\_\_\_ day of \_\_\_\_\_\_, 1983. David Cogburn, Notary Public in and for the State of Texas County of Dallas My Commission Expires on December 30, 1985. 

| TART | OF    | NEW  | CKEW    | 4    |
|------|-------|------|---------|------|
|      | BEGAR | K UT | TING DE | TAIL |

NEW

|             |                     | REGAR               | C 57 / 120 /.          | 12 12.6         |               |
|-------------|---------------------|---------------------|------------------------|-----------------|---------------|
|             | T                   |                     |                        |                 | C-M.C.        |
|             | CONT. NO            | LOCATION            | O' DENTA               | DATE + DAY      | POSITION      |
|             | 576                 | SAFEGUARD           | 23" RUNAN, 5           | Thus 9-7-78     | DUEN HEAD     |
| - ~         | 642                 | SAFE GLARID         | 23" HONE 3013          | FK1-9-4-78      | IRFIC         |
| - 000       | 642                 | SAFE GLAKE          | 24 VOCE 777.9"         |                 | 11 11         |
| - 1 8       | 643                 | SAFE GLAND          | DAILLED NOASENAL       | FR1-9-9-78      | WALL/I        |
| - 82        | 597                 | SAFE GUDAN          | SIGHT OF RESERVE       |                 | 00004         |
| - 20        | 597                 | SAFE GUARD          | 50 7 8" HERZ 4"ACDA    |                 | DENOA         |
| - 6         | 704                 | SOFF GUALD          | 777-6 VERT AT21"       | SAT-9-9-78      | 00 968        |
| - 6         | 704                 | SAFE GUARD          | 798-1 ver 123          | 1 11 11 11      |               |
| n           | 704                 | SAFE GUARN          |                        |                 | 00965         |
| - 1.15 Hans | (101                |                     | SE. MILE STORETH       | 11 11 11        | 06 965        |
| * 11 11     | ( 10 -1 -033-007745 | TUKBIN B. IT        | SW NOLE SI OKATH       | ACN-9-11-78     | 00958         |
|             | CO-1-033-007-T46    | E                   | ELV AUNINO ETW         | now-9-11-78.    | FHOOR !       |
| - " "       | FO-1-033-007-THS    | TURRIN# 1           | FLY 20 Anning Etw      | mon -7-11-78.   | Xxxx          |
| - 11 11     | 40-1-322006-735     | TURBINAT 7474       | Running N-SSE HAR      | WON -9-11-76.   | 00 9890       |
| 2 " "       | HO-1-322-006-T35    |                     | frag Nast 100 for for  | 1111.           | 1 3%          |
| " "         | HD-1-322-06-735     |                     | Kneen 18.5 . 1. Popel  |                 | 11 12         |
| - " "       | 40-1-312-00-T35     |                     | form no 115 Rober      |                 | 11 13         |
| - 11 "      | 404 -322 -006-735   |                     | what show with it      |                 | 1 3           |
| _ " ".      | HD-1-322-006-735    | VVV                 | interstance dopth 52   | 1 1 1           | 11 11         |
| BEAM LLATES | 2323-5-715          | CENTROL 807 EN      | SIW HOLE DEATH ) 11    | TUE-9-12-78     | W W           |
| " "         | 2323-5-715          | CONTACT 807EV       | OFFIT SAI KINNEYS      |                 | pluck / .     |
|             | TOP BEAN NIN        |                     | 7 14 7 7 11 11 11      | 706-9-12-78     | FLOOR 1 -     |
| 1 13        | CMC -00979          | CONTROL GOTELY      | 5" DECP                | WKD9-13-78      | FLOOR         |
|             | 81 HOLES            |                     | FULL DEPTH 4           | with CHILTY GUN |               |
| c' 82       | 26 HOLES            |                     | FULL DEPTH             | with DRILCO +   | WILT BOLT     |
| 4-17- A     |                     |                     | Mesch                  |                 | 00979         |
| 2. 94 17    | 25 HOLES            | DRILLED TO          | ULL DEPTH WITH         | 4 FULL CORE     | CM,C<br>RESAR |
| 2           | BEMOVED             | ALL KERAR           | Surviva Edw            | 132 701         |               |
|             | MEN PICKED UP       | 400 · 1"x9"+ 560    | 14" X 12" HILTY        | Thux - 9-14-78  |               |
| ,           | ALLSO 00 11 42" AK  | FOUND BOTT STRIGHTE |                        | BY OFF SAW      | <b>e</b> 1    |
| 1           | PUT IN OADER        |                     | 14" Alchows To         |                 | est.          |
| 7.7         | CLEARED UP A        | EA IN 807' cont     | HOL BUILD FOR L        |                 |               |
| CALLES The  | 2323-51-0410        | Turbin 7 EL 803-    | defth 5" celling Finte | 7. 9-15.78.     | 010-0         |
|             |                     | Tubir I FL 82       | mr/                    |                 | F/607         |
|             |                     | Turbin's EL         | CAITE                  | Fu 9-15-79      | Jood -        |
|             |                     | , x10 ·ja           | ending flats           | -1-17-17        | Was :         |

|                      | FRINT NO                      | LOCATION       | REBUR CUT 1                                       | Out            |                                |
|----------------------|-------------------------------|----------------|---|----------------|--------------------------------|
|                      |                               |                | 05074   | DAY + DATE     | CHC.                           |
| - 1                  | 2323-51-044                   | TURBIN/ELY 803 |   |                | POSITION<br>FLOOR              |
|                      |                               |                | 3" Aming Etw                                      | 9-15-78 111.   | 00992                          |
|                      | 23 23-51-044                  | TUNDINGEN 503  | 3" 1 1  | 9-15-78 11.    | 1.4                            |
| 0 31                 | 4/2                           | AUX 810:6"     | 411 Avenue 145                                    |                | OVER HEAD                      |
| 1 3 3 3              | 2323                          |                | 1   | 9-15-78 5.     | 01076                          |
| - 5,00 , 0           | 140 5-0748                    | CONTROL 807    | 12 Kurning  | 9-16-78 .      | 0 1097                         |
| - M. 22              | MK-tu-1-154-005-155           | TURBIN         | Depth un For Core                                 | 9=16-78 .      |                                |
| 20 3                 | MIK-CV-1-051-005-754          | TUKBIN         | locate - well Com                                 |                | wall EMC 1077                  |
| - 300                |                               |                | depth 2/2 Flv 930                                 | 9=98-78.       | wall cmc 1077                  |
| 7 100                | MX-00-X-006-003               | Turbin         | REPAY HO 5W 7X                                    | 4-16-79        | Well (CMC)                     |
|                      | VAK . DD - 4 - DO 6 - DC 3 TM | - Turbin       | Wifth 2's fullcom                                 | 0 11 70        | 1                              |
|                      | W DD . C. DDI . DD & T35      |                | depth 12 to Flu 179                               | 9-16-79        | 1211 } 1071 {                  |
| F2                   |                               | Justin<br>8071 | EURAIRA MIY ELI/ TIA                              | 9=96-79        | Well and 50 Res                |
| -                    | 1150 + 1151                   | CONTROLL       | ELV. 807  | 9-16-78:       | - (                            |
| 5                    | 1150 + 1151                   | 8071           | OCPTA 4" VERT                                     | 11011          | MALL- 01106                    |
| 20043                |                               | 8c7            | ELV 907'<br>DEPTH 4" VEAT                         | 9-15-78        | WALL - 01106                   |
| 20,780               | 1150 + 115)                   | CONTROLL       | ELV 807'  | 9-18-78        | Wall - a line                  |
| 一切なる                 | 2323-5-0748                   | ECNIMICAL      | PETTE IN VERT                                     | 9-20-78 200    | WALL -0 1106                   |
| - 40,2 \$            | 1/23                          | . 407          | NO COME   |                | WAST - 1110                    |
| - 3 - 3 =            |                               | そのマストレ         |   | 9-20-78 20     | BEAM - HILTY<br>BUN WONLOW FIT |
|                      | 1123                          | LENTAULL       | HATZATBAR   | 9-20-78:00     | 11 11 1/                       |
| . 42                 | 642                           | 50/17£"        | HIT KEPM 31)                                      | 9-70-78 20     |                                |
|                      | 374                           | AUX-           | COMPLIED  |                |                                |
|                      |                               | aux            | HOLE.   | 9-20-8-50      | FLEY SHAFT                     |
| Contract of the last | 395                           |                | Complat Has                                       | 9-21-8 The     | 11 . 1 . 1 . 11                |
| *-                   | 598                           | 2061 87.1      | WENTY 14"   |                |                                |
|                      | 722                           | CAFE GUARD     | PEPTH 4" VEXT                                     | 9-21-78 Fin    | 01104                          |
|                      |                               | 792111\$11     | 10% CUT   | 9-25-78 mon    | WALC 1149                      |
|                      | 722                           | 771137         | DEPTH 4 VEXT                                      | 1- 25 - 78 now | WALL                           |
| `-                   | MK CO-1-028-001-TSS           | TURNIN         | NO 2 KUNNING NO 45                                |                | 1149                           |
|                      | 1 1                           | 930'           | Q RUMMY ET S'DY.                                  | 9- 25 - 18 non | 1856 FLOOR                     |
| '                    |                               |                | 7"021 107. 5                                      |                |                                |
| 0 p 0 1              |                               |                | (3) Awwent 2+ + + + + + + + + + + + + + + + + + + |                |                                |
| 3454                 |                               | BOTH WILLIAM   | 14 1  |                |                                |
| 10,5                 |                               |                | 34" DEP 507. LT                                   |                |                                |
| o                    |                               |                | stione hours N+5                                  |                | 1.                             |
| - " X 1              |                               |                | (2) Auming , I am                                 |                |                                |
| -4037                | 1. 1. 1.                      |                | 7 '000th 10%                                      |                |                                |
| 13                   |                               | V              | 1=" 10%   | 1 + + +        | 1                              |
| _'                   | 2323-5-715                    | 807 CONTRALL   | Shouth for con                                    |                | 217 5/14                       |
|                      | 2323-5-715                    | 807'           | his ma army Low                                   |                | 967 Flor                       |
| * .                  |                               | 799'37         | S' DEPTH FULL COLE                                |                | 967 FLOOR                      |
|                      | 784                           | LAFE BLAND     | ours of cent                                      | TH5 \$ WILL    | 1 wall                         |
|                      | 785                           | SOFE GUART     | CONT ALLSO DANN                                   | DONE OFER      | wall .                         |
|                      |                               |                | 100   | אבואם שובא     | 01145                          |
|                      |                               | CUER.          | )   | 1              | 1                              |

.

ø

| -   | - PRINT<br>NOT    | LOLATION         | AEDAR CUT                       | DAY + DATE  | Circu Art      |
|---|-------------------|------------------|---------------------------------|-------------|----------------|
|   |                   | 810.6.           | 10% K NAS                       | 9-26-78     | CMC+ PESITI    |
|   | 658               | SAFEGUAND<br>S.G | 15% REBAK COT                   | w10         | 009 TO OVERM   |
| 5   | 763               | 790'<br>SG       | VEST                            | 9-27-78     | 01105 over     |
| - SPNT.                                   | 818               | 790              | Aming wat                       | 9-27 18     | 01108 0000     |
| 200.7                                     |                   | 7                |                                 | - Same      | 0              |
| - 45.44                                   |                   | 73.42            |                                 | 4           | 5              |
| - 3 4                                     | 757               | 790 5.6          | 109. Riber<br>E+ U Horz. L'Deep | 9-3658      | 01109 OVER H   |
| -   | 757               | 798 5.6.         | "                               | 9-28-78     | 01109 over he  |
| - (33)                                    | 756               | 790.56           | 11                              | 9-26.78     | 0 1109 our h   |
| - ( 10 · 10 · 10 · 10 · 10 · 10 · 10 · 10 | 756               | 790 56.          | Address mes                     | 9-26-78     | 0 1109 over he |
| 三年教系                                      | 1925              | 831 AUX          | NO REMAR                        | 9-275-78    | FLEY SHAFT     |
|   | 1925              | 831 AUX          | HIT KEBAK                       | 9-27-78     |                |
|   | 2465              | 831'5.6.         | NOTE OF 4"                      | 10-22-78    | · WALL 2 187   |
| - 2                                       | Ex-1-013-005.755  | TUANIN'          | SMAL TS CUT 34"                 | 10-2-78     | · FLOOR 1819   |
| - 100                                     | EX-1-013-005-755  | 930<br>74101N    | 11 11                           | 10-2-78     | FLOOR 1819     |
| 4   | SW-1-129-04- SUSA | BIO)             | FLEX SHAFT                      | 1.1         | WALL FLEY SA   |
| - 0                                       | Sw-1-129-021-5438 |                  |                                 |             | . 1 11         |
| - 0                                       |                   |                  |                                 |             |                |
|   |                   |                  |                                 |             |                |
| _ 00                                      |                   |                  |                                 |             |                |
| , 51                                      |                   |                  |                                 |             |                |
| 730                                       |                   |                  |                                 |             |                |
| - 440                                     | 1                 | 11               | 1/1/                            | 1/1/        | 1/1/           |
|   | Sw-1-129-013.     | 210              | VV                              | 10-3-78 Hho | Les V          |
| 1.  | 784 + 785         | BUO AUX.         | FLIEX SHOFT                     | 10-3-78 24  | FLEX SHAFT Wel |
| · (3)                                     |                   | 800 5.6,         | WALL                            |             | 11.0           |
|   | 5B-1-069-016-A46R | BIO AUX          | FLEY SHOFT                      | 10-3-78 4H  | FLEX           |
|   | 50-1-069-014-0454 | SIC AUX          | FLEX SHOFT<br>WALL              | 10-3-78 4"  | FLEX           |
| ,   | 58-1-132-024-543R | 810 56.          | FLEY SHOET                      | 10-3-78 2"  | FLEX           |
|   | 5B-1-069-011-ASSA | 790 AVX          | OKERHEAD                        | 10-4-78 4#  | FLEY           |
|   | CO-1-042-034-536A | 79056            | FLEX                            | 10-4-78 64  | / - /          |
|   | AF-1-048-056-535R | 790 56           | FLEX                            | 10-35-784#  | FUEX           |
|   | 2416              | 83156            | SOPOCOT ST VEAT.                | 10-5-78 1.  | 00 188 BEAM    |
| -   | 1664              | 807 contract     | SOTOCUT L'VEAT                  | 10-6-782    |                |
| 7   | 5B-1-012-001      | 831 AVX          | PLEX                            | 10-6-784    | OVER HELD FLEY |

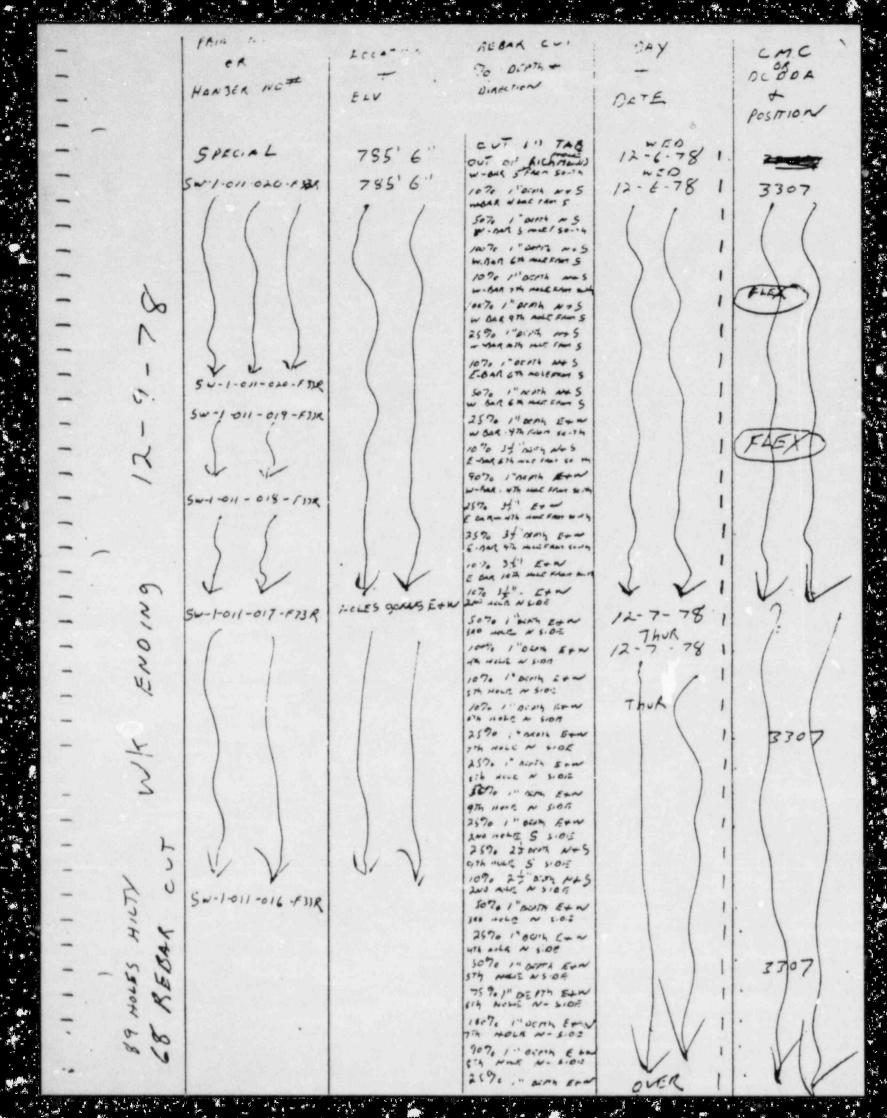
|      |       |                      |                 | -                    |            | ,            |
|------|-------|----------------------|-----------------|----------------------|------------|--------------|
| 7    | .,    | PAINT NO             | L'CATION        | REBAC-CUT            | CAY        | - 10 -       |
|      | 08    | HANGER NO            | ELV.            | DEPTA -              | +          | C.M.C.       |
|      | . 67  | <i>A</i>             |                 | which way Rosen      | DA-E       | POSITION     |
|      | - 5   | CA 1 CO 101 AV       | de Peciere      | NONE + FW            | med inces  | DAILLED      |
|      | 1     | SB-1-012-01-455      | 834 AOY         | Now 's               | 10-6-782   | FLEY         |
| -    | 2.    | 58-1-069-011-A35R    | 790 AUX         | NONE<br>1007 LT      | 10-57-78-6 |              |
| _    | 7 9 5 | 56-1-012-e4 ASSE     | 810 56          | 18" DEATH HORZ       | 10-57-78 1 | 1934         |
| _    | 4     | 3000                 | 834 \$ 4~X      | NONE                 | 10-7-782   |              |
| _    |       | 1084                 | 810 56          | 3 = " ATH UEAT       | 10-7-781   | WALL         |
| -    |       | 1060                 | 810 56          | 100 TO CUT           | 10-8-78 1  | 1855         |
| -    |       | 1061                 | 810 56          | 7 110 AE             | 10-8-781   | 1855         |
| -    |       | 778                  | 79056           | 2" X- S<br>1007, C-T | 10-8-79 2  | 1933         |
| -    | 5     | 718                  | 77056           | 211 N+5              | 10-8-781   |              |
| -    | 8     | CT-1004-004-25R      | 778 TONTHELL    | NONE                 | 10-9-784   | FLEX<br>WALL |
| -    | 16    | SB-1-069-017-4454    | 1               | NONE                 | 10-9-78 6  | FLEX WALL    |
| -    | 1     | CAEN                 |                 | HANGENS CASW         | 10-10-78   | I was in     |
| -    |       | CREW                 | WONKED ON       |                      |            | NO SCHE IN   |
|      | 1     |                      | WORKED ON       | 25" 10 70            | 10-11-78   | - Trangal    |
|      | . 10  | 491                  | 503'            | E+~                  | 10-12-781  | 2052 Popol   |
| _    |       | 492                  | 803'            | 3 = 112500           | 10-72-78   | 2052 !!      |
| _    | . ,   | 492                  | 803,            | 34" 11 75%           | 10-121-781 | 2052 11      |
| _    | 1     | 5B-106846-45A        | 810 AUX         | NONE                 | 10-12-784  | FLEX.        |
| -    | Ó     | 513-1-069-06-455     | 810 AUX         | NONE                 | 10-12-78 4 | FLEX         |
| -    |       | 00-1-017-002-4531    | 101810          | NONE                 | 10-15-78 4 | FLEX         |
|      | 5     | 50-1-069 -016 -A+5R  | Ax 810          | NOVE                 | 10-13-78 4 | FLEX         |
|      | 3     | CA-1.005 .003 . E258 | FLEET CONTROLL  | NONE                 | 10-13-78 2 | FLCY         |
|      | 0     | 1176                 | got Se          | 3 +11 VEAT 25% CUT   | 1015-781   | 2099         |
|      | F     | 1176                 | 807 SE          | 37 25% CUT           | 10-13-78 1 | 2094         |
| .,   | 7     | 2487                 | 837. 5.6        | 25" HONZ             | FAI        |              |
|      | 3     | 56-1-069 014-A 45R   | 810 A-X         | NONE 258 CET         | 10-14-78 2 | 2087         |
|      |       | 1933                 | 831' A-Y        | 111 MARZ             | 10-14-78 1 | FLEX         |
| Fig. |       | 1933                 | \$31' AUY       | 27" VEST             | 10-14-78   | 2012 WALL    |
|      |       | 1613                 | 83/1 AUY        | 2" ETW               | 100        | 2012 WALL    |
|      |       | 1618                 |                 | 25% C-T<br>311 MUTZ. | 10-14 78 1 | 2085         |
| -    | _     |                      | 831' AUX        | 17570<br>6" Etw      | 10-14-78 1 | 2084 WALL    |
| -    |       | CC-1-009-006-A13X    | 778' AUXIUNT    | 10% CUT              | 10-14-78   | 2014 FLOOR   |
| -    |       | CC-1-008 006-433K    | 778' AUX # AT   | 10070<br>11 VEAT     | 10-14-78 1 | 2014 WALL    |
| -    | -     | c-1-008-006-ATTA     | 778 AUX 365     | is pare uses         | 10-14.78   | 2014 wall    |
|      |       | CA 1005 - 25 R       | 778 Suit to Jaw | Tot.                 | 10-16 78 2 | pr           |

| -     | PR N.               | Teca.ien   | ALBAR CUT     | DAY               | CMC           |
|-------|---------------------|------------|---------------|-------------------|---------------|
| -     | CI                  |            | מדנה האנידטא  | +                 | DCODA         |
| -     | HANGER NO#          | ENV.       |               | DATE              | 5             |
|       |                     |            |               |                   | POSITION      |
| _     | 58-1-069-017-445    | 910' AUR   | ALDEL USING   | 10.76.78 4        | FLEX - WALL   |
|       | 50 1-064-016 A WSA  | gio' Aux   | TELLANCE      | 10-16-18-3        | FLEX WALL     |
| -     | 50-1069-013 76      | SIC AVY    | TULER         | 10-17-18 1        | OVER HEAD FIE |
|       | 55-1-059-01-0551    | 775. AUX   | Arona ung     | 10-17.78 3        | OVER HEOD ILE |
| - 23  | SB-109012AX9        |            | FORTE CITY    | 10-17-18 4        | WALL FLEX     |
| - "   | 5B-1-059-001-ASSR   | 431 AUX    | AR DARL LEING | 10-17-78 3        | WALL FLEX     |
| 11111 | SW-1-129-024-4334   | 796'6"     | NONE          | 10-18-78 4        | FLOOR - FLEY  |
| - "   | 54-1-129-025-7354   | 796.60     | NONE          | 10-18.78 4        | FLOOR - FLEX  |
| - \   | SW-1-129-026-4301   | 796.6      | NONE          | 10.78.78 4        | FLOOK - FLET  |
|       | 5~1-129-027-7514    | 796"6"     | NONE          | 10-14-78 13       | FLOOR - FLEY  |
| - 1   | SW1-129-028-4134    | 796' 6''   | NONE          | 10-14-78 6        | FLOT - FLEY   |
| - 6   | 5-1-129-029 1331    | 746' 6"    | NONE          | 10-14-74 4        | FLOOR - FLEY  |
| - ;   | DO-1-16-030 YIIR    | 796' 6"    | NONE          | 10-19-78 2        | FLOOR - FLEY  |
| - 4   | 5W-1-129-030, y 33R | 796'6"     | 1 (           | 10-19-18 2        | FLOOR-FLEX    |
| 0     | 5W-1-132 028-433R   | 196'6"     |               | 10-14-78 4        | FLOOR-FLEY    |
| - )   | 54-1129-632 y33X    | 796'6"     |               | 10-20-78 8        | FLOOR-FLEY    |
| - `   | CT-1-657-005 536A   | 794'       |               | 10 30-78 8        | WALL- FLEY    |
| - 2   | 105 4790 020 021    | 794        | CAKPENTER     | 10-19-79 7        | FLOOR - FLET  |
| - 3   | 105-4790-020-021    | 798'       | CHADEATER     | 10-14-18 1        | FLOOR-FLEX    |
| R     | AF-1-048-011-535K   | 790        | 446000        | 10-20 78 8        | FLOOR FLEY    |
|       | AF-1-048-066-5358   | 790'       |               | 10-20-78 11       | EVALL FLEX -  |
| X     | AFI 048-064 535R    | 790        | 13° 50% e+w   | 10-24-78 4        | OVERHEND FLEY |
| . 3   | EXT 029 -003 THS    | TUMAN      | 1° 40% VAT    | 10-21-78 /        | 2154          |
|       | 1459                | 810. 36    | 3" 20% VENT   | 10-21-78 1        | 2185          |
|       | 1346                | 810' 56    | 23" 90% VEAT  | 10-21-78 1        | 2186          |
|       | 1347                | 810' Dux   | 27" 30% VEST  | 10-21.78 1        | 2186          |
|       | 1347                | 810 DUX    | 23" 20% - 61  | 10-21-78 1        | 2186          |
|       | 61-1-029 003+45     | TURBIN 779 | 13" 50% E-W   | 10-21-78          | 2154          |
|       | 5W-1-010-001-ASSR   | 790 EIV    | NONE          | 10-23-78 14       | FLOOR - FLEY  |
| 5 %   | Sw-1-12-024-013     | 810        | RONE          | 10-24-74 1        |               |
| - 016 | 50-1-069-012-0350   | 790 '      | ~~~ A         | TOR               |               |
| - 5 7 | CT-1-066 601-532R   |            |               | 10-24-78 2<br>FUR | MALL FLEX     |
| - + 1 |                     |            | NINC          | 10-24-78 4        | WALL FLEY     |
| - 3 / | CG -1-043.005-4438  | 810,       | NONE          | 10-24-78 3        | MALL FLEX     |

| 1   |       |    | PAIN.                      | Location   | REBAR CUT       | DAY          | cn.c                          |
|-----|-------|----|----------------------------|------------|-----------------|--------------|-------------------------------|
| 1   |       |    | 6.                         |            | 1:+             | +            | DEDDA                         |
| 1   |       |    | HANGE N. F                 | ELV        | D. AECTON       |              | +                             |
| L   |       |    |                            |            |                 | DATE         | position.                     |
| 1.  |       |    | CG1-642 664.546A           | 8 10'      | NONE            | 10-25.781    | WALL PLE)                     |
| 1.  |       |    | CC-1-158-013. A 435        | 810        | NONE            | 10-25-78 1   | WALL FLE                      |
| 1.  |       | 0  | 50 -1-059-01-ASSK          | 832'       | NONE            | 10 25-78 2   |                               |
| -   |       | 1  | CC 1-079-002AD             |            | NONE            | 10-25-78 8   | MALL FLEX                     |
| 7   | 3 70. | 4  | BH-1-025-001-522           | 780'       | NOWE            | 10-26-7817   | FLOOR FLEY                    |
| 7   | 03.4  | 53 | 3034                       | 790' AVX   | 5 " JEAT 10%    | 10-36-78 1   | 2838 rex                      |
| T   | X 4   |    | CC-1.044-00/A45            | 810'       | NUNE            | 10-26-78 10  | F1603                         |
| 4   | 30    |    | 3/12                       | 790' AN    | 5" VEAT 50%     | 10-26-78 1   | 2628 FUEX                     |
| 1-  |       |    | 3//2                       | 780' AVX   | 2" 20070        |              | 2628 FLEX                     |
| 1   |       |    | CC-1-109-003 A43R          | 810' AUX   | NONE            | 10-30 -784   | OVER HEAD FLEY                |
| 1   |       |    | 100 C.60                   | C. OR PLE  | EX WORK         | 10 -31-780   | T CHASED DOWN PAUNTS & P.M.C. |
| _   |       |    | BEAM 801<br>CONTALL AM NAS | 907 600.   | ALL H ACIS      | 11 - 1- 78 4 | 2651                          |
| 7   |       |    | DD-1-019-014 A3517         | 790'       | Both HALES NES  | 11-1-78 2    | 2647                          |
| 1   |       |    | EX-1-011-005-755           | 832'       | 1070 4 + E+W    | 11-1-78 1    | 2657                          |
| 7   | -     | 5  | Ex-1-011-005-755           | 832'       | SCUTTERST MOLIE | 11-1-78      | 2657                          |
| 1 - |       | 37 | EX-1-011-005-735           | 8321       | 46" So To It W  | 11-1-18 1    | 26 57                         |
| 1   |       | 70 | 11-1-011-005-755           | 8321       | 5" 20% 15+ W    | 11-1-78 1    | 26.57                         |
| T   |       | 77 | £11-011-005-755            | 8721       | 5" 50% E+W      | 11-1-78 1    | 2657                          |
| T   |       | 1  | 40-1-325 001-735           | 778'       | NONE            | 11-2-78 12   | FLEY SHAFT                    |
| 1   | 640   |    | FOR MILLAGATS              | 832'       | NONE            | 11-2-78 5    | FLOOR FOR                     |
|     | 5     |    | HA-1-125001-135            | 778        | MONE AFTER      | 11-2-78 4    | FLEX SHAFT                    |
| a V | 7 00  |    | WA-X-485569<br>55-27       | 790 TUTOIN | NONE            | 11-3-78 2    | WALL - FLEY SHAF!             |
|     | 71    |    | CT-1-005-003-522           | 760'       |                 | 11-3-78 29   | FLOOR FLEY                    |
| -   | 32    |    | CT-1-017-010 Y35R          | 796.6"     |                 | 11-3-78 5    | FLEX                          |
| 1   | =     | 1  | HA-XA 2602                 | 790. 56    | 2070            | 11-4-78 1    | WAL 2670                      |
|     |       | +  | 217-110 1201-01            | 778 TURSIN | NO CONE         | 11.4-78      | OVER 1665                     |
|     |       | 1  | 41-1-69-611-735            | 778 11     | 11              | 11-4-78      | 11 2665                       |
|     |       | 1  | 40-1-09-011-735            | 778 11     |                 | 11-4.78      |                               |
| 1   |       | /  | 40-1-009-011-735           | 778 11     |                 | 11-4.78 1    | 11 2665                       |
| 1   |       |    | C7-1-004-003-532           | 790'       |                 | 11-6-78 4    | 11 2665                       |
| -   |       |    | AF-1001-010-433K           | 790"       |                 | 400          | FLOOR FLEX                    |
| -   |       |    | -NO. EAG                   | OR FER     |                 | 11-4-78 7    | MALL FLEX                     |
| 1_  |       |    | 11 111-8-                  |            |                 | WED          | 1111                          |
| 1   |       |    | 11 141- 61                 | 10 /       | -17/11/         | H8478        | 11111                         |

| 1.11.   | PAIN NOF  | LOCATION +  | BEBAR CUT<br>DEPTH<br>OAKTON  | DAY<br>+<br>DATE                                      |         | D.C.O.D.A.<br>+ OA<br>POSITION            |
|---|---|---|---|---|---------|---|
| 1.1.1.1<br>19 2 87<br>19 2 80 80 80 80 80 80 80 80 80 80 80 80 80 | 3 326<br>C5-1-158-010-542   | 816' AUX  | 17 - HANDERS  14" EAST + W- 102  NE HOLE  31" 50 70 N+ 5  9E HOLE                                   | 11-10-78  | 1.      | 2679                                      |
| 11-11-11-11-11-11-11-11-11-11-11-11-11-                           | C5-1-158-010-542<br>H0-1-309-001-T550<br>H0-1-309-001-T550<br>SW-1-149-025-1338 | 830 TURBIN<br>830 TURBIN<br>830 TURBIN<br>776'6" TURBEL | 3" 5070 NTS<br>NW HOLE<br>25" 1070 E+ W<br>2 6 1070 E+ W<br>SE HOLE                                 | 11-10-78  | 1       | 2681<br>2681                              |
| 1 - 8   | 3325<br>3325  | 796'6" JURNEL<br>810'                                   | 100% 24 N4 5<br>NE NOLE<br>50% 25' N4 5<br>EM NOLE<br>100% 14" E+ W<br>ENOW 2 NOLE<br>100% 14" E+ W | 11-10-78<br>11-10-78<br>11-13-78                      | 1 1 1 1 | 2845<br>2845<br>2889 0.5xm                |
| 11:1  | 3325<br>3325<br>AF-1-049-071-538  | 810°<br>810°<br>790                                     | NONE  | 11-13-78<br>MON<br>11-13-78<br>MON                    | 1 1 3   | 2889 11<br>2889 11                        |
| 11111<br>11111111111111111111111111111111                         | CT-1-014-001-5225<br>CT-1-014-001-5227<br>CT-1-040-021 535K                     | 778'<br>778'<br>7°0'                                    | NONE<br>NONE  | 11-13-78<br>70E<br>11-14-74<br>10E<br>11-14-74<br>10E | 4. 4 3/ | FLEY 1818 FLOOR FLEY 1820 FLOO FLISH WALL |
| 1111<br>WH EN.  | BAND TRAY HANGER<br>SB-1-053 004 MISK<br>SB-1-016-002 466R                      | 832'<br>832' AUX<br>832' AUX                            | NONE<br>NONE<br>NOVE  | 11-15-78<br>11-15-78                                  | 62      | FLEX WALL  FLEX WALL  FLEX WALL           |
|   | 50-1-069-002 -ASSR  | 832' our<br>832' our                                    | NONE<br>NONE  | 11-15-78<br>11-16-78<br>11-16-78                      | 4.52    | FLEX WALL  COLLINGE FLEY  WALL FLEY       |
| 5570  | 504000 CB.  | 810 AUX   | 19 CLIPS  | 11-17-78  | 7       | 2910                                      |
| 3.23  | REF-677-2874  | BIO AUX  ANON ELIAS  BOT CO-TAMES                       | Shas son<br>sage more cut<br>in DEAM.   | 11-19-78  | 8       | 3022                                      |
| 1.1 1.1.<br>Ensin   | Chen Rever<br>SI-0601<br>pa: Navsca<br>SS-38                                    | EMPARING CHE<br>810'SG<br>810'TURBIN                    | 10% PEAT 7500 50% ENW 150   | VED   | 1 2     | 3026                                      |

| 1  |  |  |   |   |  |   |  |
|--|--|--|---|---|--|---|--|
| ## 1   1   1   1   1   1   1   1   1   1   | The second secon | N . C1                                 | 1 00 4: " 1   |   |  |   |  |
| ## 1   1   1   1   1   1   1   1   1   1   | 1 -  | 8 33                                   | 1000  | LOCATION  | REBAR C.   |   | CMC  |
| SO 1-03 - 04 455 531 NONE 11-2-78 11 NATE FLEX  SO 1-03 - 04 455 531 NONE 11-2-78 11 NATE FLEX  SO 1-03 - 04 455 531 NONE 11-2-78 11 NATE FLEX  SO 1-03 - 04 455 531 NONE 11-2-78 14 NATE FLEX  CI-1-03 - 04 - 045 531 NONE 11-2-78 14 NATE FLEX  CI-1-03 - 04 - 045 531 NONE 11-2-78 14 NATE FLEX  SO 1-03 - 04 - 045 531 NONE 11-2-78 14 NOTE FLEX  SO 1-03 - 04 - 045 831 NONE 11-2-78 14 NOTE FLEX  SO 1-03 - 04 - 045 831 NONE 11-2-78 14 NOTE FLEX  SO 1-03 - 04 - 045 831 NONE 11-2-78 14 NOTE FLEX  COMMAN AND 507, 4" 1500 END 11-2-78 13/08  SO 1-04 - 040 - 045 831 NONE 11-2-78 13/08  SO 1-040 - 045 831 NONE 11-2-78  SO 1-040    |  | 1 "                                    | 015   | AND   | 75 ATH + 041. 44   |   |  |
| 50-1-013 act 4154 531 NONE 11-22-78 11 WALL FLEX  SO-1-013 act 4154 531 NONE 11-22-78 11 WALL FLEX  SO-1-013 act 4154 531 NONE 11-22-78 1 WALL FLEX  CI-1-000-ce 3154 644 NONE 11-22-78 14 WALL FLEX  CI-1-000-ce 3154 700 NONE 11-22-78 14 WALL FLEX  SO-1-013-004-3154 700 NONE 11-22-78 14 WALL FLEX  SO-1-013-004-3154 710 NONE 11-22-78 14 WALL FLEX  SO-1-013-004-3154 710 NONE 11-22-78 14 WALL FLEX  SO-1-013-004-3154 711 NONE 11-22-78 10 WALL FLEX  SO-1-013-004-3154 711 NONE 11-22-78 10 WALL FLEX  SO-1-014-004-3154 711 NONE 11-22-78 11 37-08 11 3   | 1  | t, 20 %                                |   | 011   | -1107 70   |   |  |
| SB-1-033-004 ASSA 531 NONE 11722-78 11 WALL FLEX  SJ-1-06-004 ASSA 6446 NONE 11722-78 17 WALL FLEX  SJ-1-06-004 ASSA 6446 NONE 11722-78 17 WALL FLEX  CC-1-060-004-5549 700 NONE 11722-78 17 WALL FLEX  SB-1-03-004-5549 831 NONE 11722-78 17 WALL FLEX  SB-1-03-004-6549 831 NONE 11722-78 17 WALL FLEX  SB-1-03-004-6549 831 NONE 11722-78 18 WALL FLEX  COMMAN AND SB-1-03-78 18 3108 NONE 11722-78 18 WALL FLEX  SB-1-03-034-934 735 NONE 11722-78 18 WALL FLEX  SB-1-0   | 1-   | 1 1 .                                  | HANGER NO   | ELV   |  | 1,27E   | ancizon !  |
| 3-1-06-09 35% 6 49 6 None 11-2-78 3 Ordered 125 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2  | 1-   | - 0 7                                  |   |   |  |   | positi   |
| 3-1-06-09 35% 6 49 6 None 11-2-78 3 Ordered 125 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2  | 1  |  |   | 1   |  | A10.11  |  |
| 3-1-06-09 35% 6 49 6 None 11-2-78 3 Ordered 125 1 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2  | 1-   | 4:                                     | 5B.1.053-004 4556   | 531   | NONE   | 11-22-78 11   | ····· Elev   |
| CC-1-660-cc-1-aye 810  | -  |  |   |   |  |   | WALL FLEX  |
| CC-1-660-cc-1-aye 810  |  |  | (3-1-WP-COA YNV   | 548 .   | NUNE   | 11-22-78 3  | OVERNEND JULY  |
| 11 27 9 4 man ref 12 1 28 2 2 00 00 00 00 00 00 00 00 00 00 00 00  | 1  | L                                      | CC-1-050 -CC2 - AUIA  | K10'  |  | היח -   |  |
| So-1-org-cry-asser 820'  Co-1-org-cry-asser 820'  Co-1-org-cry-asser 820'  Co-1-org-cry-asser 831'  Co-1-org-cry-asser 83   | 1-   | W                                      |   |   | non:   | CON !   | WALL FIEL  |
| So-1-org-cry-asser 820'  Co-1-org-cry-asser 820'  Co-1-org-cry-asser 820'  Co-1-org-cry-asser 831'  Co-1-org-cry-asser 83   | 1_   | 2 4                                    | CI-1-090-046-5341   | 750)  | nini   | 11-27-78 4  | wen rest   |
| CI-1-090-000 5155   70 C   |  |  |   | - 2-1   |  |   |  |
| SO S   | -  | 1, ,                                   | 30 7.003 -614.4331  | 816   | NONE   |   |  |
| 50-7-016-027 ASSX 931'  NEW 1-07-026-ASSX 931'  NEW 1-   | -  | 1 1                                    | C1-1-090.000 515K   | 700   |  |   |  |
| SO X - 017 - 016 - ASIR 831  |  | K P                                    |   |   | 2000   | 746   | WALL FLEY  |
| SO X - 017 - 016 - ASIR 831  | 1  | 0                                      | 50-x-016 -007 ASSA  | 431'  | NINE   | 1-3x-78 4   | DUTAHIAD   |
| Sol - 601 066-260 831  | 1-   | 1                                      |   | 6111  |  | 7-15  |  |
| 58-1-03-04-ASSR 831  | -  | ~                                      | 30 1 -011 -066 -ASIR  | 751   | N. I.VE  | 11-28-78 4  |  |
| 58-1-03-04-ASSR 831  |  | 1                                      | 56 x -017 0:4- 464  | 83/   | Nevi   | 11 - 24 - 7% 10   | CVI: KHEAG   |
| Continue Amery  Continue Amery  GOT  H"1750 ELAN  II-30-79   3108  MALLE  Continue Amery  BIT AMERICA  MILLION AMERY  III-30-79   3108  MALLE  MILLION AMERY  III-30-79   3108  MALLE  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION  MILLIO   | 1-   |  |   |   |  |   |  |
| Continue Amery  Continue Amery  GOT  H"1750 ELAN  II-30-79   3108  MALLE  Continue Amery  BIT AMERICA  MILLION AMERY  III-30-79   3108  MALLE  MILLION AMERY  III-30-79   3108  MALLE  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION AMERICA  MILLION  MILLIO   | 1-   | 0)                                     | 513-1-005-004-ASSR  | 831   | 100,012  | 11-29-78 3  |  |
| ### CONTING AND   1   1   1   1   1   1   1   1   1  | i  | 3                                      |   | //  |  | Thet  | , , , ,  |
| # 1780 ##W   1-30-78   3108 WALLE   10-10-10-10-10-10-10-10-10-10-10-10-10-1   | 1  | 3                                      |   | 501,  | 4 5010 E+N   | 11- 30-79 1   | 3108   |
| 3306  50-1-01-022-1312  50-1-01-021-1312  50-1-0   | -  | Ž.                                     |   | 807   | 411 769 112  | 74v.t   | 3.40)  |
| 50-1-019-010-5258 745'6  50-1-132-034 9138  796'6  50-1-132-034 9138  796'6  50-1-132-034 9138  796'6  50-1-132-039 9138  796'6  50-1-132-039 9138  796'6  50-1-132-039 9138  796'6  50-1-132-034 9138  796'6  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034-1348    |  | *                                      |   |   | DAILLED H MITYS  | 14.4  |  |
| 50-1-019-010-5258 745'6  50-1-132-034 9138  796'6  50-1-132-034 9138  796'6  50-1-132-034 9138  796'6  50-1-132-039 9138  796'6  50-1-132-039 9138  796'6  50-1-132-039 9138  796'6  50-1-132-034 9138  796'6  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034 9138  700-1-132-034-1348    | 1  | 2                                      |   | 2 24  | DOT OF 4 HANGERS   | 11-30-78 4  |  |
| SN-1-132-034 y33K 796'6 NONE 11-30-78 1 FLOOR FLOOR SN-1-132-033 y31R 796'6 NONE 12-1-78 5 FLOOR FLOOR SN-1-132-033 y31R 796'6 NONE 12-1-78 5 FLOOR FLOOR SN-1-132-033 y31R 785'6 NONE 12-1-78 1 NOTE ON ALL SN-1-011-032-33 R 785'6 NONE 070 SN-1-011   | 11-  |  | 10-1-049-016-5258   | 700'6   |  | 11-7 - 1/ O   |  |
| 5N-1-132-03731R 7966 NOME 12-1-78 5 FLOOR  8 AAS MANGING CLOS 2 NEW. 12-1-78 1 HOF ON ELECTRICAL  50 X-016-066-4550 832 ANT NOME 12-1-78 1 HOF ON ELECTRICAL  3306 80 ANT NOME 12-1-78 5 FLOOR MALE  3306 80 ANT NOME 12-1-78 5 FLOOR MALE  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 FLOOR  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-021-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-   | 11-  |  |   |   | NONE   | 11-30-19 7  |  |
| 5N-1-132-03731R 7966 NOME 12-1-78 5 FLOOR  8 AAS MANGING CLOS 2 NEW. 12-1-78 1 HOF ON ELECTRICAL  50 X-016-066-4550 832 ANT NOME 12-1-78 1 HOF ON ELECTRICAL  3306 80 ANT NOME 12-1-78 5 FLOOR MALE  3306 80 ANT NOME 12-1-78 5 FLOOR MALE  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 FLOOR  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-022-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-021-131R 785'6 SOULT 107, NOS 12-5-78 1 3307 11  5N-1-011-   |  |  | 5W-1-132-034 YISK   | 796'6   | NONE   | 11-30-78 1  |  |
| 50 - 01 - 022 - 131  | -  |  |   |   |  | I'AI  |  |
| \$ \$ \frac{8}{50} \cdot \frac{8}{ | ! -  |  | 1241-124-601211   | 1 10 0  | NONE   | 10 1 -1   |  |
| 58-x-016-066-1552 831 AUX NONE 12-4-78 3 FLEX WALL  3306 800 DUX NONE 12-4-78 6 FLEY WALL  5N-1-011-022-1334 785'6 500 DUX 12-4-78 6 FLEY WALL  5N-1-011-022-1334 785'6 500 DUX 12-4-78 6 FLEY WALL  5N-1-011-022-1334 785'6 500 DUX 12-4-78 1 3307 FLEX  5N-1-011-022-1334 785'6 500 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 500 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3207 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 1 3307 11  5N-1-011-021-1334 785'6 785'6 780'6 DUX 12-4-78 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  |  |  |   |   |  | 17-1-18 3   | FLEX   |
| 3306  3346  3346  3001  3002     | 1 -  |  | 8 605   |   |  |   |  |
| 3306  3346  3346  3001  3002     | -  |  | 8 405   | majng c   | US 2 MEN.  | 12-1-78 1 40  |  |
| 3346  80 Day  NONE  5N-1-011-022-331R  785'6  5MA PRINCIPAL NOS  12-478  13307 FLORE  10 Day     | -  |  | 8 405   | majng c   | US 2 MEN.  | 12-1-78 1 40  |  |
| 5N-1-011-0222-33R 785'6  5N-1-011-0222-33R 785'6  5N-1-011-0222-33R 785'6  5N-1-011-0222-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-022-33R 785'6  5N-1-011-021-33R 785'6  5N   | 1 - 1  | λ                                      | 58-x-016-006-1552   | Maying a  | NCNE   | 12-1-78 1 Has   | FLEX man   |
| 5 N-1-011-022233R 785'6  6 N-1-011-022233R 785'6  6 N-1-011-022233R 785'6  6 N-1-011-022233R 785'6  7 N-1-011-022233R 785'6  7 N-1-011-021-133R 785'6  7 N-1-011-021-021-021-021-021-021-021-021-0   | -  | 2                                      | 50-x-016-006-1552<br>3306   | 831 Aux<br>810' Aux   | NCNE   | 12-1-78 1 Has   | FLEX man   |
| 5 8 - 6 - 6 22 - 6 3 1 785 6   | 1111   | 89                                     | 50-x-016-006-1552<br>3306   | 831 Aux<br>810' Aux   | NONE   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5   | FLEX WALL  |
| 3 1 5 7 8316 1027 2027 2027 2027 2027 2027 2027 2027   | 1111   | 89                                     | 58-x-0,6-006-1552<br>3306<br>3346   | 83L AUX<br>810' AUX<br>810' AUX   | NONE  NONE  SOAT THE NES   | 12-1-78 1 Has<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6  | FLEY WALL  |
| - 3  |  | _ 1                                    | 58-x-0,6-006-1552<br>3306<br>3346   | 83L AUX<br>810' AUX<br>810' AUX   | NONE  NONE  SOAT THE NES   | 12-1-78 1 Has<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1  | FLEY WALL  |
| - 3 - 21 - 61 - 621 - 631R 785'6   | 11111  | - 1                                    | 8 hrs<br>50-x-016-006-2562<br>3306<br>3346<br>5N-1-011-022-33R  | 831 AUX<br>810' AUX<br>810' AUX<br>785' E   | NONE  NONE  NONE  SOAN CONTENT NOS  STOLE 25 TO NOS  EMAR ROUGE US   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1  | FLEX WALL  FLEY WALL  3307 FLOR  |
| - W   W   W   W   W   W   W   W   W   W  |  | 0, 7                                   | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>5N-1-011-032-1312  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6   | NONE  NONE  NONE  SOAN TIMEN, NOS  STOLE 25 TO NOS  EINAR ROUGE US  BERLE 1076 NOS   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1   | FLEX WALL  FLEY WALL  3307 FLOR  |
| - W   Swi-cii-c2i-f3jR 785'6   George France   12-5-78   3707   1  |  | 0, 7                                   | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>5N-1-011-032-1312  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6   | NONE  NONE  NONE  NONE  SON THAT ALL  STOLE 25 TO NOS  ETAR ROUGH US  ETAR ROUGH US  ETAR ROUGH NOS  ETAR ROUGH NOS  ETAR ROUGH NOS  | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-78-78 1<br>12-5-78 1<br>12-5-78 1  | FLEX WALL  FLEX WALL  SLEY WALL  3307 FLORA  3307 II   |
| - 3 - 6 - 621 - 62   |  | 0, 7                                   | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>SN-1-011-032-1312<br>SN-1-011-032-1312   | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BANG COMMINION NOS  STORE AS TO MAS  STORE SHOULD TO MAS  E- SAR RUMMINION NIS  NOW 2 M MELE 1076  E BAR ALLENDED MAS  | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-79-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1                           | FLEX WALL  FLEX WALL  \$107 WALL  3307 FLOX  3307 11   |
| - 3 - 1  |  | 28 c ct                                | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312   | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BANG COMMINION NOS  STORE AS TO MAS  STORE SHOULD TO MAS  E- SAR RUMMINION NIS  NOW 2 M MELE 1076  E BAR ALLENDED MAS  | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1 | FLEX WALL  FLEX WALL  \$107 WALL  3307 FLOX  3307 11   |
| - 3 - 5 - 6 - 621-633R 785' 6 - 785' 6    |  | 28 c ct                                | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312   | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  SON CONTINUES  STAR RULL INTO NES  STAR RU | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-4-78 6<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1               | FLEX WALL  FLEX WALL  \$107 MALL  3307 FLOR  3307 M  3307 M  3307 M  |
| - 3 - 501-011-021-FIJR 785'6'  - 501-011-021-FIJ   |  | 28 c ct                                | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-022-1312<br>5N-1-011-021-1312<br>5N-1-011-021-1312   | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BOAT CONTINUES  STOCK 25 TO NOS  ETAR RULLING NOS  E-BAR RULLING  | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-4-78 6<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1               | FLEX WALL  FLEX WALL  3307 FLOX  3307 11  3307 11  3707 11   |
| - 3 - 501-011-021-FIJR 785'6'  - 501-011-021-FIJ   |  | - 9-78<br>- 9-78                       | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-233R<br>5N-1-011-022-233R<br>5N-1-011-022-233R<br>5N-1-011-021-233R<br>5N-011-021-233R<br>5N-011-021-233R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BAN CONTINUES  STOCK 25 DO NOS  ETAR RULLING NOS  E-BAR RULLING N | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-4-78 6<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1               | FLEX WALL  FLEX WALL  3307 FLOX  3307 11  3307 11  3707 11   |
| - 10 SWI-011 -021-FIJR 785'6' 785'6' 1000 10000 - 2005 1 3307 11  SWI-011 -021-FIJR 785'6' 785'6' 78000 - 2005 1 3307 11  SWI-011 -021-FIJR 785'6' 785'6' 78000 - 2005 1 3307 11  SWI-011 -021-FIJR 785'6' 785'6' 78000 - 2005 1 3307 11    |  | 1 K ENDING<br>2-9-78<br>RSBARCUT       | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-233R<br>5N-1-011-022-233R<br>5N-1-011-022-233R<br>5N-1-011-021-233R<br>5N-011-021-233R<br>5N-011-021-233R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BAN COMMINIONS  STOCK 25 TO NOS  ETHA RULLING NOS  E-BAR RULLING NOS  NOS 2 N MOLE NOTO  E-BAR RULLING NOS  E-BAR RULLING  | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-4-78 6<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1               | FLEX WALL  FLEX WALL  3307 FLOOR  3307 11  3307 11  3707 11  3707 11   |
| - SWI-OH -O21-FIJR 785'6'  - SWI-OH -O21-FIJR 78   |  | 1 K ENDING<br>2-9-78<br>RSBARCUT       | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-133R<br>5N-1-011-032-133R<br>5N-1-011-021-133R<br>5N-1-011-021-133R<br>5N-011-021-133R<br>5N-011-021-133R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BAN COMMINIONS  STOLE 25 DO NOS  FINA RULLING NOS  E-BAR RULLING NOS  E-BAR RULLING NOS  E-BAR RULLING NOS  NO 2 N MOLE 1076 NOS  E-BAR AUMINIONIS  NO 1 N MOLE 1070  6 NOLE FAMO S-EDAR  10070 1"DEPTH NOS  4 MOLE FAMO S-EDAR  75°0 1" DOTH NOS   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-4-78 6<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1               | FLEX WALL  FLEX WALL  3307 FLOOR  3307 11  3307 11  3707 11  3707 11   |
| - 5w1-011-021-F1)R 785'6'  - 5w1-021-F1)R 785'6'  - 5w1-021-F1)R 785'6'  -    |  | 1 K ENDING<br>2-9-78<br>RSBARCUT       | 8 hrs<br>50-x-016-006-2502<br>3306<br>3346<br>5N-1-011-022-133R<br>5N-1-011-032-133R<br>5N-1-011-021-133R<br>5N-1-011-021-133R<br>5N-011-021-133R<br>5N-011-021-133R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  BAN CONTINUES  STOCK 25 TO NOS  ETHAR RULLING NOS  INTERNOS  INTER | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | 3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11   |
| - Swi-011-021-FINR 185'6' 7570 100011-005 1 3307 11  - Swi-011-021-FINR 785'6' 7570 100011-005 1 3707 11  - Swi-011-021-FINR 785'6' 7570-1" Kart - 005 1 3707 11  - 3157 831'6 10070-2" 00011-005 1 10070 1 00066 11   | 11111111111111   | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 hrs  50-x-016-006-2552  3306  3346  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-021-53R  5N1-011-021-53R  5N1-011-021-53R  5N1-011-021-53R  5N1-011-021-53R  5N1-011-021-53R   | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6   | NONE  NONE  NONE  NONE  SON THANK NOS  STOLE 25 TO NOS  STOLE 1076 NOS  E BAR RUMIN, NIS  NOT 2 NOCLE 1076 NOS  E BAR AU MOLE 1076  I NOCLE FROM STOLE  JOTO 1' SEPTH NOS  J MOLE FROM STOLE  JOTO 1' DOTH NOS  J MOLE FROM STOLE  LOTO 1' DOTH NOS  J MOLE FROM STOLE  LOTO 1' DOTH NOS  J MOLE FROM STOLE  LOTO 1' DOTH NOS  C MOLE FROM STOLE  COMMITTED  LOTO 1' DOTH NOS  C MOLE FROM STOLE  C MOLE FROM STOLE | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | FLEX WALL  FLEX WALL  3307 FLOOR  3307 11  3307 11  3307 11  3307 11  3307 11  |
| - SWI-011-021-FINR 785'6' 7570 : OSPIN-N-5  SWI-011-021-FINR 785'6' 7570 : OSPIN-N-5  SWI-011-021-FINR 785'6' 7570-1' KATH5  3157 831'6 10070-2" OSPIN-N-5  1 3707   | 1111111111111111   | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 6.05  50-x-016-006-2552  3306  3346  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6                               | NONE  NONE  NONE  NONE  BANG COMMINIONS  STORY ROLLING NAS  ETHAR RULLING NAS  INTER FROM STORM  INTER FROM | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | FLEX WALL  FLEX WALL  3307 FLOOR  3307 11  3307 11  3307 11  3307 11  3307 11  |
| - 5w1-011-021-0314 785'6' 7590-1'Anth-ms 13707 11 3707 11 3707 11 3707 11 3707 11  |  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 6.05  50-x-016-006-2552  3306  3346  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-022-133R  5N-1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  5N1-011-021-133R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6                               | NONE  NONE  NONE  NONE  DAM CONTY, NO S  STOLE 25 TO NO S  STOLE 25 TO NO S  STAR RULLING NO S  E BAR RULLING NO S  I NO I NO PON NO S  I NO I DO M NO S  I NO M NO M NO M NO S  I NO M NO M NO M NO S  I NO M NO M NO M NO S  I NO M NO M NO M NO S  I NO M NO M NO M NO S  I NO M NO M NO M NO M NO S  I NO M NO   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | FLEY WALL  FLEY WALL  3307 FLOOR  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11                                     |
| - 5w1-en-en-en-en- 785'6' 785'6' 785'6' 785'6' 1007 20051-ms 10050 10056   |  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 6.4.  50-x-016-006-2502  3306  3346  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6                               | NONE  NONE  NONE  NONE  DAM CONTINUES  STOCK 25 TO NOS  NOS 2 NOCKE 1070 NOS  STOCK 500 TO NOS  TOTO 1" SEPTH NOS   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | FLEY WALL  FLEY WALL  3307 FLOOR  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11                                     |
| - 3157 831'6 100% 3"0051-MS 10 100 1 300 00 00 00 00 00 00 00 00 00 00 00 00   | 111111111111111111111111111111111111111  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 6.4.  50-x-016-006-2502  3306  3346  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-1-011-022-33R  5N-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  5N1-011-021-63R  | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6                               | NONE  NONE  NONE  NONE  DAM CONTINUES  STOCK 25 TO NOS  NOS 2 NOCK 1070 NOS  STOCK FROM STOCK  TOTO 1" SEPTH NOS  MOS 1 NOSTH NOS  MOS 1" OUTH | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | 3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11<br>3307 11                            |
| 3157 8316 10070 2"DETL-MS 12-6-78 1 33AD WEAD!   |  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 60 - 8 - 016 - 006 - 8552<br>3306<br>3346<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330 | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6<br>785' 6                               | NONE  NONE  NONE  NONE  DAM CONTINUES  STOCK 25 TO NOS  NOS 2 NOCK 1070 NOS  STOCK FROM STOCK  TOTO 1" SEPTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  TOTO   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | 3307 FLOOR 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11   |
| 12 0 10 1 33PB HEAD  |  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 60 - 8 - 016 - 006 - 8552<br>3306<br>3346<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N-1-011-022-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330<br>5N1-011-021-1330 | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6 | NONE  NONE  NONE  NONE  DAM CONTINUES  STOCK 25 TO NOS  NOS 2 NOCK 1070 NOS  STOCK FROM STOCK  TOTO 1" SEPTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  MOLE FROM 5 - WAR  TOTO 1" DOTH NOS  TOTO   | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | 3307 FLORE 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11 3307 11   |
|  |  | W. K. ENDING<br>12-9-78<br>8 RSBAR CLT | 8 6.4.  50-x-016-006-2502  3306  3346  5N-1-011-022-1338  5N-1-011-022-1338  5N-1-011-022-1338  5N-1-011-021-1338  5N1-011-021-1338  5N1-011-021-1338 | 831 Aux<br>810' Aux<br>810' Aux<br>785' 6<br>785' 6 | NONE  NONE  NONE  NONE  DAM CONTINUES  STOCK 25 TO NOS  NOS 1 NOSE 5000  STOCK 50 | 12-1-78 1 Han<br>12-4-78 3<br>12-4-78 5<br>12-4-78 6<br>12-75-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1<br>12-5-78 1              | FLEY WALL  FLEY WALL  3307 FLOOR  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11  3307 11 |



|     |          | , ,                       |                 |  |                  |                     |
|-----|----------|---------------------------|-----------------|--|------------------|---------------------|
| 1   | 18/      | 11                        | Lecoren         | REBAR C.T                              | DAY              | cnc                 |
| 1   | 3 52     | H40 10#                   | + .             | TO DEPT                                | T                | OCDDA               |
| 1   | 8 80     | HAAR MEN                  | FLV             | P. Accrion                             | DATE             | t ,                 |
| 1   | - 6      |                           |                 |  |                  | POSITION            |
| 1   |          | SW1-011-06-5714           | 785' 6"         | 47h mil # 1.02                         | 12-7-78 1        | 3307                |
| 1   | 2        | 111                       | , ,             | SOTA . 25 OKATH N-5                    | 1 11             |                     |
| 1   | 0, 5     | 85                        | 1 1 1           | 75% - 25 0: 11 m 5<br>77 m mare 5 5:08 |                  | 3307                |
| 1   | Erong 78 | 1 7                       |                 | 707 24 DEMA NES                        | FALLI            | 3307                |
| 1   | 4 %      | 3351                      | 810' 56         | 50% VENT : 4 MAN                       | 12-8-781         | 3421                |
| 1.  | 7 0      | 3352                      | 810, 56         | 75% WENT TOUTH                         | 12-8-781         | 3421                |
| 1   | 34       | 3353                      | 810 56          | SATE AS ASSE                           | 12-8-781         | 3421                |
| 1.  |          | 36 23                     | 810' 56         | SONO VERT YORTH                        |                  | 3420                |
| 7   |          | 3623                      | 810 56          | BOTTOM HOLE                            | I FAJ            |                     |
| 7   |          | 3527                      | 790'56          | SOTO VEAT 3" DIET                      | 12-11-78 5       | 3420                |
| 1   | 00 00    |                           |                 | NONE                                   |                  | FLEX, WALL          |
| 1   | 1-7      | K:1-1-016 - 040-5354      |                 | NONE                                   | 12-11-78 8       | FLET -              |
| 7   | - 4      | N-1-132 -030 - YJK        | 796' 6          | NONE                                   | 12:11-78 13      | FLEX FLOR           |
| -1  | 12-      | \$0 -X -016 - 001-ASIR    | 850 4"          | NONE                                   | 12-12-A 3        | FLEX OVERNO         |
| 1   | 4 2      | 53 - Y - C16 - C76 - D55K | 850'4"          | MONE                                   | 12-12.78 3       | FLET OFALL          |
| 1 - |          | EC-1-115-001-A431         | 826'6'          | NONE                                   | 12.12-28 8       | FLET OVER           |
| 1-  | -2       | 5m-1-172 072 777          | 796'6           | NONE                                   | 12-78 A          |                     |
| 1   | . 0      | 58 -1 -069 -011-A35K      | 809.6"          |  | wEi)             | FUR FUE OVERHEND FO |
| 1   | W        | CC-2-057 002 ASJA         |                 | NONE                                   | 12-13-75         | OVER HEAD           |
| 7   | ×        |                           | 806-4"          | NONE                                   | 12-13-18 19      | : FLEY              |
| -   | 3        |                           | DAXING HANGIN   | 9 CLIPS 12                             | 1-14-78          |                     |
| 7   |          | MEN W                     | ORKNY HANGIN    | 9 CU15 12                              | -15-78           |                     |
| 4.  |          | MEN W                     | ONKING HANDEN   | 5                                      | -16-78           |                     |
| V   |          | MEN W                     | LAKING HANGER   |  | -18-78           |                     |
| 1   | • 1      | 2602                      | 805.8.          | 100% VEAT 2511                         | 12-19-78 1       | 36-21               |
| 1   | 3, 4     | 2801                      | 775'            | NONE                                   | 1274:78 2        | FLEX                |
| 7   | 6 1 1    | C-5-1-315-020 MX          |                 |  | 1.6              | OVER HEAD           |
| 7   | 3 38     |                           | 831-4-x         | NONE                                   | 12-19-78 6       | PLEY<br>OVERNIAD    |
| 1   | 6 46     | 50 y -016 004 ASSN        | 831-4-1         | NONE                                   | 17 - 19 - 78 - 4 | CALMINE S           |
| 7   | 421      | 50 y-016-01-4558          | 431 - AUX       | NONE                                   | 14 19 - 18 4     | F-61                |
| 1   | 2 ,- DAY | 2 -MEN.                   | DIDING BOLT     | 5 FOR 807- 100                         | 12-20 -78        |                     |
| 1   |          | 2 - new                   | Diring BELTS    | - 564 407 EN                           | 12-21-78         | H. W. S.            |
| 1   |          | 2 MEN OF                  | mg 10175 FOR 82 | 7' - 3445                              | 12-26-78         | Bhrs .              |
| 1   | - \      | 4 .501 -235 -401          | 803' 7-KNW      | 3" DEATH NOS 100%                      | 12 - 26-78 12    |                     |
| 1   | 5000     | BRN -CK 1 - 011 18 Kil    |                 | 3' Deith with more                     | 12-36-78 12      | 3630 Ruck           |
| 7   | 1 - F.   |                           |                 | N+5 ALL MOLAS                          |                  | 36 30 puc;          |
| 1   | 300      | of WEN OIL                | NO BOLTS FO     | 1 507' ELV                             | 12-27-78         |                     |
|     | . 3 2    | 2 new 01                  | ing bolts of h  | acking HILTY HOLD                      | \$ 12-28.78      |                     |

| ## 15 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1  |   |  | I FAMT   |                   |                      |                |  |
|--|---|--|--|-------------------|----------------------|----------------|--|
| ## DOTAL DATE DATE DATE DATE DATE DATE DATE DATE  |   |  |  | LCCA-16.V         |                      | DAY            | 02   |
| ## Destroy Date program    Start   Sta   | - |  |  | +                 | 7. 0:1-h+            |                | DEDDA  |
|  | - |  | Hamisk NO#   | ELV               |                      | DATE           | position   |
| Str. 135-0-136   831 AVY NOWE   12-27-14   0 000 000 000 000 000 000 000 000 00  | - | - + 5  |  |                   |                      |                |  |
| South 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | - | 3, 3   | 65-1-019-00  | 021               |                      |                | FLEX   |
| 25-1-315-02-1-218 831 ANY NOWE 12-29-78 8 OPER ACAD PLANT OF STANDING SCHOOL SCHOOL STANDING SCHOOL SCHOOL SCHOOL STANDING SCHOOL SC   | _ | 154 X  |  |                   | NONE                 |                | OVER HEAD  |
| Sex-049-027-0558 \$31 ANY NOWE 129-78 6 OPERATED SEX-049-027-0558 \$31 ANY NOWE 129-78 6 OPERATED SEX-049-027-0558 \$31 ANY NOWE 129-78 12 AND NOWE 129-78 120 AND NOW 129-78 120 AND NOWE 129-78 120 AND NOW 129-78 120 |   | 100 A  | 65-1-315-021-451R  | 83) A-X           | NONE                 | 12-29-78 8     | The second secon |
| SEX-NONG-OST-AISA 931 AVY NEW 12-9-76 7 CHANNO CANNO C   |   | 34 V   | E5-1-315-022-ASIA  | 831 4-4           | NONE                 |                | FLEY   |
| SMI-129-016-5528 8:0 SG.  2 1750 57407003 NUTY DALTS WARRING (A) 17-79 \$40  2 1750 57407003 NUTY DALTS WARRING (A) 17-79 \$40  2 1763-57171-026 905 TRADIN NANGENINE A TO MY OFFRER 1-2-79  11 17 1763-57171-026 905 TRADIN NANGENINE A TO MY OFFRER 1-2-79 1 FORT NANGENINE (A) 17-67-79 1 FORT NANGENINE (A) 17-6 |   |  | SE-X-049-027-065A  |                   | Nove                 |                | FLEX   |
| 2 17 20 STANTING WILLY DALTS WARRING AS 13-3-9 Sto STANTING WILLY DALTS WARRING AS 1 1777 AL SO  GRANGING GATS FROM NARRINGSE A TO MY OFFICE 1-79 LACK WARRINGS AS 1 1777 AL SO  GRANGING GATS FROM NARRINGSE A TO MY OFFICE 1-79 LACK WARRINGS AS 1 175-79    | - |  | 5W-1-129-016-5431  | 810 56            | NOVE                 | WED            |  |
| DEAM STATE FROM NARRAWSE A TO MY OFFER 1-2-79  DEAM STATE FROM NARRAWSE A TO MY OFFER 1-2-79  THE STATE OF STATE OF SO STANDIN NONE 1-5-79  THE STATE OF STATE STATE STANDIN NONE 1-5-79  THE STATE OF STATE STANDIN NONE 1-5-79  THE STATE OF STATE STANDIN STANDIN NONE 1-5-79  THE STATE OF STANDIN STANDIN NONE 1-5-79  THE STANDING STANDIN STANDING NONE 1-5-79  THE STANDING STANDING STAN   | - | _  | 2 1750   | STANFING MIL!     | SOLTS WATEROS        |                |  |
| DEMONS GLTS FROM NARRANSE & TO MY OFFRE 1-2-79 2 FLCY MAIN NOWE 15-79 1 FLCY MAIN NOW    | - | 30   | 2 MEN STA  | בדשני עדביה פייון |                      | TAVE           |  |
| 1   1   1   1   1   1   1   1   1   1  |   | 312  | Ganging G.   | LTS FROM WARM     |                      | 1 / /          | 1-79   |
| ## 5 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2   |   | 313  |  | 803'7VADIN        | NONE                 |                | FLEX wast  |
| SV-1-144-018-341K   S/C' SG   NONE   1-8-79   21   1-10-79   3664   1-10-79   3665   1-10     |   | 4 000  |  |                   | S. PALL              | FKI            |  |
| ### 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |   | 3,4  |  |                   |                      | in             | FLEY   |
| ### SETTING ALTER   1-5-79 6 OVERWEAD  2 MEN SETTING ALTER   1-6-79 10 STATE  SW-1-139-08-SAR 910' SG NOWE   7-8-79 12 NOWE  SW-1-139-08-SAR 910' SG NOWE   7-8-79 12 NOWE  SW-1-139-020-SAIR 910' SG NOWE   7-8-79 12 NOWE  CL-1-039-020-SAIR 910' SG NOWE   7-7-79 2 NOWE  90T   "X9 SUBJECT FOR NIAR   7-7-79 2 NOWE  90T   "X9 SUBJECT FOR NIAR   7-9-79 1 NOWE  90T   "X9 SUBJECT FOR NIAR   7-10-79    |   | 12   |  |                   |                      | Fill ,         | rung   |
| 2 Many SCTTMY ALTYS FROM ALMIT WHILE MINE ALTYS FROM ALMIT AND ALMIT ALTYS FROM A   |   |  |  |                   | NONE                 | SAT            |  |
| 2 MEN SCTTMY ALTYS FROM ALTS. WHILE HELD C FRIED TO SERVE SONT 1189-018-548 910' SG  5 N-1-129-018-548 910' SG  NONE 1-8-79 24 WHILE HELD SONT 1-129-019 SWILL WHILE HELD SONT 1-129-020-SWILL 910' SG  NONE 1-8-79 15 FEET MOULD SONT 1-8-79 15 FEET MOULD SWILL    |   | -  | A DEN B  | langung chies     |                      | 1-6-79         |  |
| SU-1-139-018-548   | - |  |  |                   | PLINT WHIE HE.       | IE FULL FIREID |  |
| SWI-011-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-F31K  SWI-011-017-017-017-017-017-017-017-017-017  |   | -  | 5 W -1 - 129-018 - 545   | 810' 56           |                      | mier .         |  |
| SWI-011-012-631K  SWI-011-017-631K   | - |  | 5W-1-129-019-543K  | 810. 56           |                      | 170.00         | FLEX   |
| 2-1-029-020531R 790'S G NOME   -8-79 13 MODE  30T 1" X9 SUDIK MILLY FROM PLEATING WARE MILLS   -9-79  90T 9AND 30X FORM MILLY FROM PLEATING THE SET   -9-79  90T 9AND 30X FORM MILLY TO SET   -10-79  90T 9AND 30X FORM MILLY TO SET   -10-79  90T 9AND 1011-010-F33R    |   |  | Sw-1 - 129 -020 - 8455   |                   |                      | nev            |  |
| 90T 1" X9 SURIR MULTY FROM PLEATING WARE MENSE 1-9-79  90T 9mg Sex Fert Hirty From Pleating Ware 1-9-79  90T 9mg Sex Fert Hirty From 12:00 TOSIX (Man Killer)) 1-9-79  90T 9mg Sex Fert Hirty From 12:00 TOSIX (Man Killer)) 1-9-79  90T 9mg Sex Fert Hirty From 12:00 TOSIX (Man Killer)) 1-9-79  90T 9mg Sex Fert Hirty From 12:00 TOSIX (Man Killer)) 1-9-79  90T 9mg Sex Fert Hirty From 12:00 TOSIX (Man Killer)) 1-9-79  90T 9mg Sex Fert Hirty From 1-10-79 1 3664  1 Sw1-011-016-633R  1 Sw1-011-016-633R  1 Sw1-011-016-633R  1 Sw1-011-016-633R  1 Sw1-011-017-633R  1 Sw1-011-017-017  1 Sw1-011-017-017  1 Sw1-011-017-017  1 Sw1-011-   | - |  |  |                   |                      | TUE            |  |
| 90T 9 May SORK MINTY FROM PETERMEN WARE NESS 1-9-79  30T 9 May 30 FERS MINK  1-9-79  70 SW-1-011-016-F33R  1-10-79  1-10   | - |  |  |                   |                      | 1-7-79 2       |  |
| 90T 9mg 3cx Fen Mink  Sensul Clear of From 12:00 Tog 30 (man rilled)  Tog 5mg 1-01-016-835R  Tog 5mg 1-01-016-835R  Tog 5mg 1-01-016-835R  Smg 1-011-016-835R  Smg 1-011-017-835R  Smg 1-011-017-935R  Smg 1-011-017-935R  Smg 1-011-017-935R  Smg 1-011-017-017-017-017-017-017-017-017-01  | _ |  | Jo1 /" x9  | SUPER MUTY FRO    | TITUTAL WARE A       | 1-9-74         |  |
| SW-1-011-016-F37R   SW-1-011-017-F37R   SW-1-011-017-017-017-017-017-017-017-017-0   | - | 0  |  |                   |                      | 7-6            |  |
| 785-6"  20   | - | 7 .  |  |                   | (MAN AUCO)           | 708            |  |
| Sw   -0  -0 4-F33K   | - | 1 1  |  | 700 6"            | NE. NOLE 3070        | NEO            |  |
| # Depth Rew   1-10-79   3664   1 00 00 00 00 00 00 00 00 00 00 00 00 0   | - | 0 1  | Service Property and Alexander   |                   |                      | *ED            | 3664   |
| # 06/7h Rew 1-010-79 1 3664  # 06/7h Rew 1-010-79 1 3664  # 06/7h Rew 1-010-79 1 3665  # 06/7h Rew 1-00-79 1 3665  | - | la -   |  | ( /               | FOSPIN E+-           | 1-10-79        | . 3664   |
| # DEPTH E FOR    1 - 011 - 016 - F 37 R  | - | ,3   | -1-011-016 F33K  | ) (               | 7 0617h 6= ~         | 1-10-79        | 3664   |
| - 2  | - | 41   | 5W-1-011-016-F73R  |                   | N+W 15 HELE 10076    | 1-10-79        |  |
| - WI SWI-011-017-FIR     | - | 7,   | W-1 -011 -016 - F 13 K   | ) /               | N W 200 WIE 10.7     | m.co '         |  |
| - 1 5w-1011 - 017 - F31R  - 1 5w-1011 - 017    | - |  | SW-1-011-016-6338  |                   | N ~ 310 mas 1012     | wi:0           |  |
| - SWI-011-017-FJIK  - SWI-   | - | 1,   |  |                   | NE IST INLE 20 70    | ~10            |  |
| - Swi-011-017-F31K   | - | V  | NEATH LIE AND COLUMN   |                   | VE 240 HE 207        |                | 3665   |
| - SWI-011-017-F33K  - SWI-   | - | - 1  |  |                   | " AITH E+W           | 1-10-79        | 3665   |
| - SWI-011-017-F33K   | _ | the contract of the contract o | 5-Fitt -017 -F31K  | ) ) ;             | 1" DEPTH 1:+W        |                | 3665   |
| - 5W1-011-017-F33K WW 200 ME 2076 1-10-79 1 3665  - 5W1-011-017-F33K WW 340 MLE 10076 1-10-79 1 3665   | - | 4  | 5~1-011-017-FIX  | / ) !             | # w 15 110-15 20 76- | -50            |  |
| - 5W1-017-F37K V WI 300 MLE 10070 1-10-79 1 3666   |   | 1  | 5-1-011-017-538  | (                 | Y = 1 = NAE 2076     | ~w             |  |
| 1 1-16-79 11 366C  |   |  |  |                   |                      | -00            |  |
| MILES EVENING FREE ETW   |   |  | The state of the s | V 1/              | " AEDIN Fra          | 1-10-19        | 3665   |

| -      |                   | FRINT NO-   | LOCATIC          | REBAN CUT                         | DAY           | I cmc       |
|--------|-------------------|---|------------------|-----------------------------------|---------------|-------------|
| -      |                   | OK -  | 7 .              | 170 DEPT +                        | +             | DEDDA       |
| -      |                   | HANGER NOT  | ELV.             | DIRECT ION                        | DATE          | -           |
| -      |                   |   |                  |                                   |               | POSITION    |
|        | · h               |   |                  | UNKNEW OBINAN                     |               |             |
|        | *                 | 5w-1-011-018-F33R   | 785'6"           | AT 35" DEPTH                      | 1-10-79       | - 3666      |
|        | 1/2               | SW-1011-019 F317  | 785' 6"          | 3" DEPTH E + W                    | 1-10-79       | 3667        |
|        | or,               | 5 - 4 - 11 -019 - F77R                                      | 785'6"           | 3" DETT 10070                     | 1-10-78 1     | 3667        |
| _      | /                 | 5w-1-011-020-F33R   | 785' 4.1         | NE NOE NIME SOTO                  | 1-10-79       | 3669        |
| -      | 0                 | 5W-1-011-020-F33 A  | 783'6"           | 10170 1"MATH NAS                  | 1-70-79       | 3668        |
| -      | 3,                | 5 m 011 - 021 - F3M   | 785'6"           | 8 PLATE MICOLE MUE                | -60           |             |
| -      | 0 0               | 5-1-611-021 -FJJA   | 785'6"           | NIME NO MOLE SOZ                  |               | 3669        |
| -      | 15 V              | 5~1 -011 -021 - F7)R  | 785'6"           | NIMETE WE ME 750                  | -M            | . 3669      |
| -      | 1 1               |   |                  | 25 OCM E+~                        | 1-10-78 1.    | 3669        |
| -      | 7 3               | CC-1-024-020 533K   | 790'             | NONE                              | 1-11-78 16    | OVER HEAD   |
| -      | 7 -               | CC-1-028-020 571A   | 740'             | NONE                              | 1-11-79 15.   | FLEY        |
| -      | ,                 | ec-1-024-026 5311   | 7401             | NONE                              | 1-12-79 2     | FLEY        |
| -      |                   | C5-1-063-033-54LR   | 810-50           | NONE                              | 1-12-79.7     | WALL        |
| -      |                   | C5-1-063-026-532R   | 740'             | NONE                              | 1-12-78 7     |             |
| -      |                   | 00-1-00)-084-535A<br>00-1-003-084-535A<br>00-1-003-084-535A | 790'             | NONE                              | 1-12-78 3     |             |
| -      |                   | 00-1-00)-094 5 15A  | 7901             |                                   | 1-15-79 3     | ONESHENO.   |
| -      |                   | CC+ 513-006 A +3A   |                  | Nove                              |               | FLET        |
| -      | N                 | 2602  | 810'             | NONE<br>HILTY BOLT<br>DRILLED OUT | 1-15 79 7     | rear        |
| -      | ,                 |   | 790              |                                   | 1-15 79 1     | STAND       |
| -      |                   | 2602  | 790              | WAILED OUT                        | 1-16-77 1     | STANO       |
| -      | 11                | AE-1-048-056-5154   | 790'             | NONE                              | 1. 6-79 10    | FLEY        |
|        | N                 | 5227  | 810'             | NOWE                              | 1-16-79       | FLES MIL    |
|        |                   | KH-1-015-001-5-DR   | 795'6            | NONE                              | 1-16-79 4     | FLEX FLOOR  |
|        |                   | FIRMSH UP  RH-1-025-001-5115                                | 785'4            | NONE                              | 1-17:79 3     | FLEX FLOR   |
|        | 3 1               | 85-X-016-002-A15A   | 531'             |                                   | WED           | FLEX MAL    |
|        | , ,               |   |                  | NONE.                             | 1-17-79 4     | ONEN MEN.   |
|        |                   | St-x-049 -026-ASER  | 831              | Novis                             | 1-17-79 2     | PLEX        |
|        | the second second | 38x-016-006-455A  | 831              | NONE                              | 1-17.79 - 2   | FLEY OMANA. |
|        | 1                 | 00x -146 - 013 - 435x                                       | 790              | NONE                              | 1-17-79 - 11  | FLEX WALL   |
|        |                   | 581-084-007-4558  | 831'             | NONE                              | 1-17-79 - 4   | july man    |
|        |                   | 14.044-025 A 550  | 831'             | MONE                              | 1-17-79 2     | FLEX        |
| _      |                   | PICKED UP .   | WASHERS + NUTS   | WASTANCE A. TO                    | K HILTYS IAR, | 1-17-79.    |
| _      |                   | PUTTING NUTS  | wasters on       | entys mouts                       | There         | 1-18-79     |
| press. |                   | INVENTURY OF  | DAILLO BITS      |                                   | 1-15-79       |             |
| ***    |                   |   |                  | + LLTA upon                       | 401           | in for book |
|        |                   |   | EXP NUTTING , BU | 29 807 with                       | 1-19-79       |             |
| 1      |                   | Just Richard  | Nonamy RE        | WORK CABO A                       | A KAK MON X.  | -22-79      |

| 1111  |             | PRINT NO #                                    | Location .              | AFRECTION  | DAY -                                 | POSITION             |
|-------|-------------|---|-------------------------|--|---------------------------------------|----------------------|
| 1 1 1 | 1           | 2731 + 235                                    | 4436 56                 | 13: 76 1 01.7711<br>110.12<br>110.12 5 10.0011<br>110.12 + Chark<br>110.76 2 10.0014 | 1-23-79                               | 3748                 |
| 111   | 1-27.       | 3534 + 35 55<br>3534 + 35 55<br>MEN STANDING  | 422'0' A                | SO TO A TO WEAT  | 1 1.7) -11                            | 1.29                 |
| -     | ung<br>ucks | 5w-1-132 e29-473R<br>Ex-1-010-015-756         | 790' F                  | NENE<br>75% 4" WIPT<br>E+W   | 1-24-79 1                             | FLER FLE.            |
| -     | 7 5mg       | 00-1-651-005 7430<br>00-1-603-693-536R        | 7901                    | N+5  | 1-24.79 1                             | HIRS SMITE 'S.       |
|       | 77          | 00-1-00)-009-0418<br>2602                     | 910'<br>7964"           | NENE<br>1807 3 W DEITH   | 1-25-79 4                             | FIET WALL            |
| -     |             | 2602  | 777'5*                  | TSTE 3 IN DEPTA VENT  NOWE   | 1-25-79  <br>1-25-79                  | FLEX WALL            |
| -     |             | 25-1-017-011- YSSK<br>3630                    | 831,7                   | 1000 24 00011<br>SETO 3" 000111<br>ETW SETO, 3" 001111                               | 1-29-79 /<br>1-29-79 /<br>1-29-79 /   | 4237 -               |
| -     |             | 3630<br>ec-2-021-016-034<br>cc-1-116-016-0434 | 831'6'<br>790'          | NONE<br>NONE   | 1-29-79 /<br>1-29-79 32:<br>1-29-79 5 | HALL SELLS FLEY WALL |
| _     | 2 2 2       | 7 4AS W                                       | 8;2'                    | NONE<br>VIERFARENCE CAEN   | 1-10-79 7                             | FLERNALL             |
|       | 3-1         | J'W OFF FO                                    |                         | NONE NONE  | 2-1-79 2                              | FLEX COLAMEAD        |
| =     | 2 7 2       | CC-1-16 -003 .0435                            | 810 - AUX<br>810 - FAIL | None<br>None   | 2-1-79 3.<br>2-1-79 3.                | FLET WOLL            |
|       |             | ec-1-186-812 AF34                             | 831 - AUY               | NOWE NOWE  | 2 Third 79 10 2 Third 79 3            | MEX OVERMAN          |
| -     | _           | 50-1-011-020 -F33R                            | 795' 6. "               | 10070 1" AERTH NEST 10070 1" DERTH   | 2-5-79 1.                             | 3668                 |
|       |             | 5w-1-011-020-FDR                              | 778 "                   | 10070 11 01114<br>10070 11 01114   | 2-5-79                                | 3618+                |
| -     |             | 54-1-011-02/- +378                            | 778 '11                 | N=5  | 25-79 1                               | 4377                 |

|        |                        |                  |                      | 1           |                   |
|--------|------------------------|------------------|----------------------|-------------|-------------------|
| -      | PRINT NOT              | LOCATION         | - :4K CUT            | DAY         | CMC               |
| -      | 1 on                   | + .              | 1. DEPTA +           | 1 7         | 00000             |
|        | HANGER NOT             | ELV-             | 1. RECTION           | DATE        | +                 |
|        |                        |                  |                      |             | POS/7000          |
|        | CT-1-057-053 335R      | 790'             | NONE                 | 2-6-79 5    | FLET OVE          |
|        | cc-2-021-01-031R       | 7%               | NONE                 | 2-5-79      |                   |
| _      | CC-1-109-003-A434      | 810              | NONE                 | 2-6-79 5    |                   |
| _      | a-2-021-611-4734       | 790'             | NONE                 | 2-6-79 (66) | LFLEX FL          |
| -      | C-5-1-066-001-ANSA     | 810              | E+W 1070 5"051"      | 2-7-79 0    |                   |
| -      | -5-1-066-001-AMA       | 810'             | E+W                  | 2-7-79 0    |                   |
| - 0    | CS-1-075-003 A 42A     | 80'              | FAN ME 100% 3\$ 0000 |             |                   |
| 1 2    | CS-1-075 -073 -444     | \$10             | ENN                  | 2-779 0     | 4430              |
| 1-1    | CC-1-107 704 - 843R    | 810              | NONE                 | 2-7-79      | L'TEA .           |
| - 1    | CC-1-126-804 . A 435   | 910              | NONE                 | 2-7-79 3    | FLEY              |
| -7 31  | cc-1 156- æ1 - A 53K   | 871              | None                 | 400         | FLET WA           |
| - 1 m  | DO-4-054-0.9-A 754     | 4:1              | NUME                 | 2-8-79- (2  | fuir wa.          |
| - , 24 | cc-1-137-6-3-4635      | 831              | MENE                 | 2-8-79-6    | feer was          |
| - 3    | CC-1-156 -007 -4614    | 831              | NUNE                 | 3-8-79-02   | FLEX-WAL          |
|        | CC-1 557 - CC3 - 44314 | 8.0              | NINE                 | 2.8.79.0    | FLEX              |
| -      | 10-1-106-653-515       | 750              | NOVE                 | 2-8-79- (2) | FLER              |
| -      | 43/3                   | 807 certhal warm | NONE                 | 1-9-19 D    | BIAM              |
|        | 4314                   | 807              | NONE                 | 2.9.79 9    | 11                |
|        | 53-58                  | 967 11 11        | MOME_                | 2-9-77 0    | 11                |
| ,m     | 00-1-006-114-4368      | 790'             | NONE                 | 2-0-79 (2)  | OVER HEAD<br>FLEY |
| -      | 5w-1-129-072 yisk      | 710'             | NONE                 | 2-10-79 (   | FLEX              |
| -      | 3762                   | 807'             | NONE                 | 2-10-79     | FLEX              |
| -      | 3801                   | 807'             | NONE                 | 2-10-79 28  | 11                |
|        | 3822                   | 807'             | NOVE                 | 2-10-79     | 1(                |
|        | 4314                   | 407              | NOVE                 | 2-10-19-0   | ,,                |
| - (6)  | C1-1-015-07 } 4350     | 740              | NONE                 | 2-12-79 @   | FLEY WALL         |
| _ 23   | 3/36                   | 790 Ly           | NONE                 | 2-12-79-0   | fill want         |
| - 1    | 10-1-029-067-ALSK      | BIO DUX          | NONE                 | 2-72-79 0   | FLET WALL         |
| ~ 3    | 00-1-029 -066-AUGE     | 810              | NONE                 | 2-12-79 @   | FLET mee          |
| 4 1    | po-1 006 - 014-e7312   | 790 TUNKE        | NONE                 | 2-13-79 5   | fler wan          |
| 2      | 12mg 800 -1-029 -008   | 810              | NINE                 | 1-11-0      | FLETWALL          |
| - 3%   | 00.1.034 . 464 -A45K   | 810              | NONE                 |             | FLET DALL         |
| - 7.9  | 10 -1-629 -667 -046    | 8:10             | NONE                 |             | feit war          |

| -         | IMMT NOT               | lew            | RESAN CUT            | DAY              | C.MC            |
|-----------|------------------------|----------------|----------------------|------------------|-----------------|
| - 5       | 1 or                   | + 1            | 70 0:114 +           | +                | DEDOL           |
| - ",      |                        | FLV.           | DIAGETION            | DATE             | -+.             |
| 3         | HANGER NOT             |                |                      |                  | ASITION .       |
| -6 80     | 5w-1-173-018-41K       | 790 10.005L    | HILTY DELT CUTEX     | 2-14-79          | F" 6 8'5        |
| -3 7.     | RMANDIR D              | DY LOYET +     | Dance FUR - Inter    | e situate it     |                 |
| -628      |                        | dichord on wy  |                      | 2-15-78          |                 |
|           |                        | en target 1    |                      | 2-16 79          |                 |
|           | C 5-1-019-004-457R     | 832            | HILTY BELT CUTES     | 2-19-79          | OVERMEND        |
|           | 2689                   | 532            |                      | 2-14-79          | ware            |
|           | Caroli month           |                | What 250             | 2.20-77 D        | WALL            |
|           | Sw-1-013 -01-1145      | 740            | 6 to PT Room DIA.    | 2-20-79 W        | ware            |
| -         | 5m-1.017-001-A791      | 790            | N. 100 2 10 90       | 2-20-79 P        |                 |
| - 0       | CC-1-015-001-A438      | 810            | Z'WIN NTS            | 2-20-79 4        | 44.37 ·         |
| - 2 7     | CC-1-015-001 -A43      | 810            | SHORT MYS            | 2-725-79 0       | 4477            |
| - 1,70    | 7                      | 778            | £ 100-12 1070        | 2-21.794         |                 |
| - 3 4 5   | 2                      |                | W WHILE 1070         | 2-21-796         | 4490            |
| 1 / 1     | 1                      | 778            | " OUT E - W          |                  | W4 90           |
| - 4 0 4   | B K-y - 0-1 -015 -1321 | 778            | SET UP ON            | BROKE WATER LA   | E 4491          |
| - 4       | LOST                   | ADOUT 4 hou    | MS MIN SOOM          |                  | EMSTAID         |
| 3         | 13 AX-071 +15-A33A     | 778            | E-BOTHOLE 75%        | 2-35:39 0        | 4491            |
| 1. 000    | BRY -071-015 -ATM      | 778            | W AT HOR SOLTO       | TALK             | 4491            |
| - 5%      |                        |                | I " OSPIH MUNZ       | 2 -78=79 D       | DUEN HEAD       |
| 1 /01.    | 5 4-1-173-018.45       | 7 70           | HILTY BELT CUT       | 007 2-23:79      |                 |
| 10 -      | 5.4-1-173-014733       | 790            | HILTY BOLT CUT       |                  | 04541,720       |
| - 1 6     | 2689                   | 832            | HILTY BOLT LT        | -JT 1-23-79      | WALL .          |
| -         | 1                      | NE WATER       | 3 HAS HAD M          | EN CLEAN EX      | UITIMENT 723    |
| - 2       | mp-1-061-07-545A       | 810'6          | 2 + OCP14            | 2-24-790         | 4497            |
| -         | wp-1-061-007-545       | 810, 6,        | 10000 3 HOLE         |                  |                 |
| _         |                        |                | 14" HILTY BELT       | 2-24-790         | 4497            |
| _         | 2649                   | 832'56         | 14 1111/1001         | 2-24.79<br>new 3 | FIRE            |
| _         | 10-1-003-093-535R      | 790'56         | NONE                 | 2-26-7940        | WALL            |
| _         | Sw -1-010 -002 -51X    | 790 AU         | NONE                 | 2-26-79          | FLET<br>FLOOR   |
| - 2 N     | 5F-X-049-019-45        | ₹ 845, 2.1     | 8 4.17/60H           | 2-27-79          | STAND OVER TEAD |
| - 24 37   | 2689                   | 972'           | HE MILLY BOLT KANSEL | 2 2/2 2          |                 |
| - 4 2 - 2 | LAID OF                | 2 P. PR manges |                      | 702              | STANO           |
| - 51 3    |                        |                | FOR INST.            | 2-27-79 Q.       | FLEX            |
| - 40 4    | SAX-019 -019-4355      | 790'           | NOWE                 | vrn 6            | FLEX            |
| -         | SAV-019-017-A)5K       | 790            | NONE                 | 2-28.77          | OVEKHEDO        |
| _         | 95 00 -13 072 NU       | 790            | Nore                 | 2-28-74 6        | FLET            |
|           | CE-1 -090-049 A)5      | 750            | News                 | 2-28-79 (2)      | " were          |
|           | L5-1-328-001-A69       |                | QUT HILTY BOLT       | TAVA             |                 |
|           | C3-1-374 101-141       | 868            | \$" FOX PPC HONGER   | 3-1-79           | 1. 25           |

| 1-1- |        | FRINT NO#<br>Ch<br>HANGER NO# | ELV.               | FEBRACUT<br>TO DEPTH TO<br>DIRECTION | DAY             | CM.C.              |
|------|--------|-------------------------------|--------------------|--------------------------------------|-----------------|--------------------|
| ! -  | `      | LA10 0                        | IT & HANGERS       | FOR ENSITEN                          | 3-1-79          |                    |
| , -  |        | 50-1-053-44-4554              | 832                | proper vert                          | 3-5-79 0        | WALL 4495          |
| 1-   | 5      | 50-1-05) -004-ASIA            | 632                | A 34" DEAN                           | 3 5.97 0        | 4445               |
| ! -  | 2      | 00-1-21-02 1340               | 790                | NONE                                 | 3-5-79 @        | JOVERNEAD          |
| 1-   | 1/2    | 54-1-016 002 .A 17R           | 790                | NONE                                 | 3-5-79 (39)     | FLOOR              |
| 1-   | 8      | SW-1-010-002-A722             | 790                | NONE                                 | 3.6.79 (1)      | FLOOR              |
| 1    | ,      | CA-1-005-63-ELSA              | 778                | NONE                                 | 3-16-79 (4)     |                    |
| 1-   | 0      | CC-1-42-032-448               | 8 32               | NOW E WALL                           | 3-6-19          |                    |
| 1-   | is a   | STAMPING M                    | LTY BOLTS SHAS     | AN CADLE TRAIL                       | 3-7-79          |                    |
| -    | non 29 | LAID OUT                      | 2 PIPE HANGE       | 5                                    | 3-7-79          |                    |
| -    | 60     |                               | 810                | NONE                                 | 3-7-79          | OVERHEAD           |
| 1    | 2      |                               | 778 TUNNEL         | 100% K+~                             | 3-8-79 D        | FLOOR 437<br>574~0 |
| 1-   | . Zm   | CW-1-032-001-k05              | c.w./              | NONE                                 | 3-8-79 (2)      | BLOCK OUT          |
| 1-   | ()     | 5A-1-019-017-A35A             | 790 AV             | MONE                                 | 3-9-79 0        | OVERHEAD           |
| 1-   |        | 00-1-003 080 5754             | 790 56             | NONE                                 | 3-9-79          | OVER PERO          |
| 1-   |        | 100-1 -029 030 -ABR           | 790 AYX            | NONE                                 | 3-9-79 @        | ware               |
| -    |        | CL-1-116 -007 -F3)K           | 778 8566           | NONE                                 | 37-79 . D       | PLKY               |
| 1.   | rzz    | CC 1-116 -005-1937K           | 778 FUEL           | NONE                                 | 3-9-79 Q        | min her            |
| 1    | 533    | DAILL OUT HIL                 | TY DOLTS AGNIDA    | I 807' FM CAD                        | LE TRAY SUMORTS | (2 HILTYS)         |
| -    | 10     | 00 1-16-02/-V210              |                    | DRILL OUT 2 5 1 17                   | 700 -           |                    |
| -    | 3      | 00-1-16-026-433               |                    | 10070 Among E+ W                     | 3-12-79 0       | 2052               |
| -    | ~ ~    | 491 +492.                     | 790 AUS            | 2500 Averag NES                      | 3-12-79 D       | WALL               |
| -    | 3, 10  | 441 + 442                     | 790 401            | ASTO Among mas                       | 3-12-19 D       | 2062               |
| 1    | 1000   | 491+492                       | 790 AUX            | AT 35" 05014                         | 3-12-79 O       | 2067               |
| -    | 8 14   | 3822-3762-4382                |                    | DAILING PLES ON                      | 3-12-79         | FLEX<br>OVERNO     |
| -    | 7 70   |                               | 807 CONTROLL AM    | NOWE CASE THAT                       | 3-13-79         | - Jusy             |
| -    | Z      | BULLARD                       |                    |                                      | 3 14.79 Shas    | 2                  |
| -    |        | 3822-1762-4182                | 887 · CONTROLL AM, | NONE                                 | 0               | PLEX               |
| 13   |        | 51-1-318-004-5554             | 832 56             | NONE                                 | 3-14-79-6       | FLEY.              |
|      |        |                               | 56 790             | NONE                                 | 3-14-79 3       | PIET OVERERO -     |
| -    |        | 11                            | KFN Hanging        | HANGEAS                              | 3-15-79 -       |                    |
| 1.   |        | 11                            |                    | 11                                   | 3-16-79         |                    |
| 1    |        |                               |                    |                                      | 3/7-19          |                    |

|   | FRINT NO#<br>CM<br>HANGEN NO#  | LOCATION .   | REBAR CUT<br>DEFTH &<br>DIRECTION.  | DATE   | CAC<br>OCOCA   |
|---|--|--|---|--|--|
| WK ENDWY 3-24-79<br>WK ENDWY 3-24-79<br>2 DAYS HANDWY HANDERS   | SF-4-049-027-455R  SF-X-049-027-455R  SF-X-049-029-A55R  CA-X-064-003-A75A  SF-X-010-06-F45X  SF-X-064-003 A75A  SF-049-020-A55H  CC-1-051-005-A45R  SIS-1-057-003-A55R  | CRÉW HANG<br>11 TUST 56.<br>AUX 832. 56.<br>AUX 832.<br>AUX 832.<br>AUX 832.<br>AUX 832.<br>AUX 832.<br>AUX 848.<br>AUX 848.50<br>AUX 848.50<br>AUX 848.50 | 11  | 3-20-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 3-21-79 1-21-7 | ONE A MEAD  FLEY  OVER MEAD  FLEX  OVER MEAD  FLEX  FLOOR  FLEX  OVER MEAD  FLEX  OVER MEAD  FLEX  OVER MEAD  FLEX  FLOOR  FLEX  FLOOR  FLEX  FLOOR  FLEX  FLOOR  FLEX  FLOOR  FLEX  FLOOR  FLEX |
| -   | 58-1-057-002-455R<br>SF X-061-013 ASSR   | ALK<br>ALK   | NONE<br>NILTY BUSS DAMES<br>10 DITS   | 3-24-19 @<br>3-24-79 @   | FLEX<br>FLEX<br>FLEX<br>MALL   |
| 31-79 )<br>11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | in the second se | Trundin 815'S  | TO NONE  10070 ETN AT  2' OFFTH  10070 ETN AT  2" OFFTH  10070 ETN AT  2" DIFTH  10070 ETN AT  2" DIFTH | 3-26-79 @<br>3-26-79 @<br>3-26-79 @<br>3-26-79 @<br>3-26-79 - 0  | 610<br>6110<br>6110  |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | CT-1-017-010- YIX  | 5 G  | NONE NONE NONE  | 3-26-19<br>FLEX<br>3-26-19<br>3-27-79<br>3-27-79<br>3-27-79<br>3-27-79   | FLEX<br>FLEX<br>FLEX<br>PLEX<br>WALL<br>WALL<br>HILLY GUN -<br>LAYED OUT   |
| - 52° | Atwork HE.   | HANGERS SHA<br>TUNNEL 789'1"   | 20 HONZ. 4" OSPTA   | 3-28-79<br>3-28-79<br>3-29-79<br>3-29-79   | 6118   |
| ( in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 2-cw-2-074-03 tog  |  | TOM ON VACOTON INTER  | 4-3-79<br>4-4-79<br>1-4-79<br>4-5-79   | LEY  |

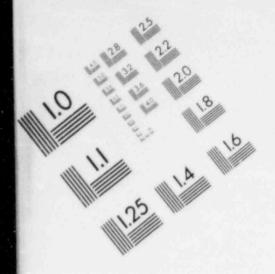
| The second of the San Mar 🕸      | SINTERIOR TO SERVICE OF |             | . De en felt Color - Section 1. Color fin | ······································ |                 |
|----------------------------------|-------------------------|-------------|---|--|-----------------|
| - i                              | PRINT NOT               | Lecatio.    | REBUX CUT                                 | DAY +                                  | 1 cmc           |
| -                                | HAMPER NO "             | T           | PIRETION                                  | PATE                                   | OK              |
| _                                |                         | ELV         | Dinie                                     |  |                 |
|                                  |                         |             |   |  | DEDDA,          |
|                                  |                         |             |   |  |                 |
| - 10                             |                         |             |   | 74.5                                   |                 |
| tu                               | - 100 cri - 406         | C.w. I      | NONE                                      | 4-5-79 €                               | FLEX            |
| - 4                              | -1-29 oc1 - ko 5        | C.w-I       | NONE                                      | 4-3-79                                 | 4181 FLX.2      |
| - 1                              | - 269 -01 - KOS         | cw-I        | NONE                                      | Then Then                              | ELEX ELES       |
| - ~                              |                         |             | wheng meation                             | _                                      |                 |
|                                  | C1-1-015-050-AXX        | A-X         | NONE                                      | 4-6-79                                 | FLEX MAIL       |
| -30                              | AF-1044-659-55A         | 56          | NONE                                      | 4-6-79 3                               | FLEY OVERHEAD   |
| 100                              | 65-1-034-037A35R        | AVX         | NONE                                      | 4-6.79 3                               | FLEX WALL       |
| -7:                              | 00-1-029-050-AKK        | Aux         | of Hangi & + Danier                       | 1                                      |                 |
| コモニ                              | DD-1-029-050-A454       |             | FINASHED HANGER                           |  | STAND WALL      |
| - 1                              | CW-1-032-00/-405        | AUX         | 100% comp.                                | 4-7-79                                 | Om              |
| 3 ,                              | EU-1-032-001-405        | C.w.I.      | NONE                                      | 4-7-79 8                               | FLEX FLOOR      |
|                                  | CN-1-002-001-105        | c-w.I       | NONE                                      |  | FLEX FLOOR      |
| Section 19 Section 19 Section 19 | CW-2 034-001 x05        | C-W-I       |   | 1 .0                                   | FLEX . FLOOR    |
|                                  |                         |             | NONE                                      | 47-79 (2)                              |                 |
|                                  | CT-1-083-018-554        | 802' 6"     | NOVE                                      | 4-9-79 0                               | FLEX WALL       |
| ^                                | C-1-042-010-534         | 802. 9"     | NONE                                      | 4-9-79 @                               | FLEX WALL       |
|                                  | ca-1-016 -023 -535R     | 794' 3" 56  | NONE                                      | 4-9-79 @                               | FLEX WALL       |
| 7                                | CT-1017 038 SJIK        | 800'0 56    | NONE                                      | 4-9-9 0                                | FLEX WALL       |
| _                                | CC-1-042-012-5354       | 801.4 56    | NONE                                      |  | FLEX MALL       |
| - K                              | CH-1-001 -026-5558      | 832' 56     | NONE                                      |  | FLEX OVERNEAD   |
| 207                              | G67-04-017+358          | 790 AUX     |   |  | 176             |
| 1 %                              |                         |             | NONE                                      | 4-10-79 20                             | FLEX WALL       |
| 17.19                            | CT-1-083009 525R        | 778 56      | NONE                                      | 4-10-79                                | FLEX NALL       |
| 7                                | 4C-1-048-068-SISA       | 790 56      | NONE                                      | 4-11-79                                | FLEX OVERMENO   |
|                                  | 5F-X-010-024-145R       | 829'8"      | NONE                                      | 4-11-79 - 0                            | FLEX OVERHEAD   |
| J                                | 00-1-055-022-451        | 824- AUX    | NONE                                      | - 471-79(3)                            | FLEX WALL       |
| - 4                              | Crx -131-010-F454       | 813'2" FULL | NONE                                      | 4-11-79-0                              |                 |
| - 4                              | SF\$ -010-04 THER       | 813'6" 1-12 | NONE                                      |  | FILT WEAHENS    |
| 701                              | CC-1-043-005-MIX        | 810 AUX     | ~~~E                                      |  | FLY OUTH HEAD   |
| , /                              | CC-X-077 -003- ATER     |             | ينقني نباي                                |  | fiet ware       |
| 1                                |                         | 452 AUX     | NONE                                      | 4-12-79                                | fler wall       |
| - 11                             | 00-1-021-00-054         | 790 AUX     | NONE                                      | 4-12-79                                | FLEX male       |
| -                                | 2-1-015-040-4355        | 790 ALX     | NOWE                                      | 4-13-79 @                              | HILTY BOLTS CUT |
| - 4                              | 20-1-029-047-4454       | 810 AUX     | MONE                                      | 4-13-79 @                              | FLEX WOLL       |
|                                  | 00-1-029-040-4358       | 790 AVX     | NONE                                      | 4-13-79                                | FLEX WALL       |
| - 1                              | CA-Y 061 -013 -AXX      | 790 AUX     | NONE                                      | 4-13-79                                | DRILLE OUT      |
|                                  | A-X-019-026-A05         | 790 A-K     | NONE                                      | 4-14-79                                | FLEX S          |
|                                  | 5-4010-0057350          |             |   |  | FLEX<br>FLEX    |
|                                  | 30.74                   | 774 TURON   | NOVE                                      | 4-14-19 4                              | O-ESHEAD        |

å

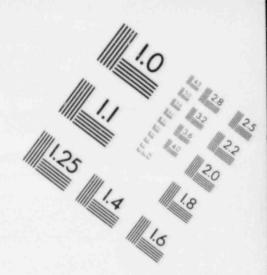
|       | 1 - 7                     |               | 1           |             | 1                        |
|-------|---------------------------|---------------|-------------|-------------|--------------------------|
| - 500 | 10.WTNO#                  | LOCATION .    | R-SAR CUT   | 1           | CAC                      |
| - 4   | OR .NO.                   | + .           | DEPTH+      | +           | 01                       |
| - 57  | HANGERNO#                 | ELV           | D. BECTION  | 04-E        | DCDOA                    |
| - 3-  | TO-1-005 012 -T310        | 778 7402      | NONE        | 4-14-79     | D FLEX<br>OVERAGED       |
| _     | To-1-074-00 DO            | 778 7449W     | pont.       | 4-14-79     | DI SLET AVERAGE          |
| _     | TO-1-034-001-T340         | 778 TURNW     | NOVE        | 4-16-79     | FLEX                     |
| _     | 70-1-00-014- 7.40         | 778 TURON     | NONE        | 4-16-79     | D FLEY WERMON            |
| - 5   | TO-1-001-005 7740         | 778 TURON     | NONE        | 4-16-79     | 7 1                      |
| - W   | BEAR CAR                  |               | ~ REWORKOF, | 17.79       |                          |
| 100   | 1593                      | 832 REALTOR   | NONE        | 4-18-79 15  | FLEX WALL                |
|       | 1594                      | 872 REAUTOR   | NONE        | 4-18 79 14  | FLEX WALL                |
| -0    | 5900                      | 932 Acour     | NONE        | 4-18-29 1.  | FLEX WALL  FLEX OVERMEND |
| -18   | SW-1-132-05/Aug           |               | NONE        | 4-19-79-2   | FLET WALL                |
| - !   | SW-1-129-039-403          | 818           | NONE        | 4-19-79-2   | ILEX OVERHERS            |
| - 3   | SW-1-129-050-44319        | 810           | NONE        | 4-19-19 2   | FLEX WALL                |
| - 1   | SW-1-102 057-43X          | 790           | NUNE        | 4-19-79 13  | FLEE OVERHERA            |
| - 5   | AF -1-049-064-544         | 750           | NONE        | 4-20-79 4   | FLEX OVERHEAL            |
| 5     | AF-1-046 069-6358         | 750           | NONE        | 4-20-79 20  | FLEX OVERHER             |
| - 3   | CC-1458 004-A435          | 810           | NONE        | 4-20-79 3   | - FLEX WALLE             |
| - ×   | SW-1-132-041-A436         | 810           | NONE        |             | 9 FLEX WALL              |
| _ 3   | CC-1-066-00/-003          | 790           | NUNE        |             | 2 FLEX ONEXHEAD          |
| -     | 5=-x-010-024- *469        | 810           | MONE        | 4-21-79     | 2 for wenter             |
| -     | WB-1-226-017-5054         | 7 78          | NONE        | 4-23-79     | FLEX OVERHEAD            |
| -     | wo-1-226-017-525          | 778           | ~~~ €       | 4-23-79     | FLEY OVER HEAD           |
| - 62  | 1, 5 MAS                  | Hanging 44    | rgers anen  | 4-22-79     |                          |
| - 1/1 | 5I-1-041-001-524          |               | WENE        | 4-24-79 6   | ). FLEY FLOOR            |
| - 5   | Siv-1-129 - 015 545       | 810           | NOVE        | 4-24-79 (6  |                          |
| - 3 - | 00-1-029-079 SUSK         | 810           | NONE        | 4-24-79 9   | I FEEL FALL              |
| 1 00  | 100-1-12-021-433R         | YARD TOTALL   | NONE        | 4-25-79 - 2 | FLEE OVERNER             |
| 1 4 6 |                           | 740           | NEWE        | 4-25.79 2   | LIST AVELNICAL           |
| - 3-  | 1 66-1-158 603 MANY       | 8:C           | NENE        | 4-25 19 2   |                          |
| 3     | nn- 1-003 -055 -ASSO      | 798           | NAME        | 4-25-79 15  |                          |
|       | Co-1-0.12 -03: 535K       |               | NONE        | 4-26 79 11  | OVERHEAD                 |
|       | 00-1016 -005 53           | 780           | NONE        | 4-26 77 3   | To the second            |
|       | 50 - ye 15 - 0 - 4 - 4556 | LINE WALL CO. | NONE        | 4-26-79 (4  |                          |
| -     | 58-1-04 001 455           | 932           | NEVE        | 4.32 19 14  |                          |

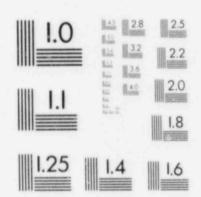
| -  |     | 1                          |              |                  | j~          | 1                 |
|----|-----|----------------------------|--------------|------------------|-------------|-------------------|
| -  |     | PRINT US FE                | L            | AR CUT           | na,         | cnc               |
| -  |     | c/v                        | + '          | earth +          | +           | 01                |
| -  |     | Man just N: #              | FLV-         | 1.676 100        | 120 TE      | DC DOA            |
| -  | -   |                            |              |                  |             |                   |
| -  |     | 5 W-1-11-021 FOR           | 756 70006    | NEVE 7           | 4-30-79 0   | 57400             |
| -  |     | 6-1-18-16-16-1 MIGH        | 700          | purpost &        | 4.30 74 6   | FLEX              |
|    |     | L5-2-044 007 -A55          | 452          | NONE             | 5-1-77 Œ    | FLEY<br>CHERNEAD  |
|    | W   | AR-1-14 -068 5341          |              | MONE             | 5-1-79 @    | reit              |
| -  | 3,0 | A =- 1-018 057 -535K       | 790          | were E           | 51-79 @     | FLEX<br>CUERHEAD  |
| -  | 011 | 40-1-1-13-703              | 178          | Ments            | 5-1-79 €    | FLEST             |
| -  | E S | HP-1-300 -008 -7555        | 832 70000    | DETTE NES 35'    | 5-2-79 6    | 6189<br>FLEX      |
| -  | 41  | 11 P-1 -730 . 5-8- 1555    | 632 1-10.0   | DEPTH            | 5-2-79 0    | 6189              |
| 1  | 3 2 | 5 m -1 = 16 007 - Tesk     |              | NONE             | 5-2-79- E   | FLET<br>WALL      |
| -  |     | 51-615 -613-575M           | 790          | NO.VE            | 5-2-79- @   | FLEX              |
| ~  |     | 3 + HAS                    | EVERY BOOY L | EFT DUE TO STOWN | 5 3-79 -    |                   |
| -  |     | 5F-X-010 018 +458          | FUEL         | NONE             | 5-4-79 6    | PLAY              |
| -  |     | CP-X-001-053-E35R          | 805'         | None             | 5-4-79 @    | FLEE Y            |
| -  |     | C1-1-044-042 C46R          | 8/6          | MONE             | 5-4-79 (9)  | PLEX              |
| -  | -   | 58-X 263-209 +55A          | 838.0        | NONE             | 5-4-79 0    | felt mark         |
| -  |     | 4 - 1 - 049-064-535R       | 804 1        | ADVE             | 5-5-77 @    | OVERHEAD          |
| -  |     | 00-1-12 -021 755K          | 8021 6"      | NONE             | 5-7-19 @    | PLEY              |
| -  |     | SE 4-013-013-ASSR          | \$39',0"     | NONE             | 5-7-79 6    | PLEY<br>OVER HEAD |
| -  |     | CC-1-017 005-A43A          | 810          | 3" DE 1th        | 5-8-79 0    | 6188              |
| -  |     | CC-1-017 005-4434          | 110          | 311 Depth        | 5-8-79 O    | 6188              |
|    | 2   | · AEASTOF                  | DAY HUNG HAN | SEAS 5 HAS       | 5.8-79      |                   |
|    | 3,0 | SFX - 062 -003 -A45K       | 810          | 2+ DEATH         | 5-9-79 D    | FLEX 6197         |
| _  | 3 4 | CT-1-093 009 -525K         | 100'6'       | NONE             | 5-9-79 O    | FUEX              |
| -  | L x | 5w-2-001-012-4334          | 796 ' 7"     | 5" OLOTH         | 5-10-79 - 0 | WALL 6705         |
| 1  | 36  | 5w-2-001-012-F334          | 796'7"       | 100% MONE        | 5-10-79 - 0 | 1485              |
| -  | 2   | 5~-2-012 012-41)4          | 786'25"      | 24" DEPTH        | 5-10-79-0   | 6606              |
| -  |     | 5W-1-012-016-F3BA          | 791-6"       | 100% HORZ        | 5-10-79-0   | 6605              |
| -  |     | (BAHNSON)<br>S.W.I. EXMUST | 833- 7:"     | 100% MONZ        | 5-11-79 0   | 6903              |
|    |     | 111 1 1                    | 833' 7±"     | 100% HAZ         | 5-11-79 0   | 6903              |
| -  |     | #F-1-048 -059- 575R        | 710          | NONE             | 5-15-79-1   | OURA READ         |
| -  |     | AF-1-039-01-577            | 790          | NONE             | 5-15-79 - 9 | FIFT .            |
|    |     | AF-1-079-001-57            |              |                  |             |                   |
| .~ |     | 10-1-049-012-575A          | 290 -        | NONE             | 5-15-79 - 6 | FLKY              |

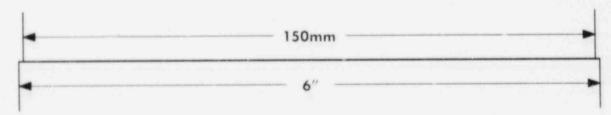
| 1111   | PRINT ATT            | FLV.          | PIBAT CUT<br>PINECTICIO | DATE             | CAC<br>OR<br>DCD04          |
|--------|----------------------|---------------|-------------------------|------------------|-----------------------------|
| - 4    | 5A-X-619-026-A35     | 710           | NONE NOTE               | 5-16-79-0        | MAIL STAND                  |
| - 5    | 5F.4-002-003-F35     | 790           | Section 1               | 5-16-79 8        | man                         |
|        | No                   | REBAR WORK    | F-17-79                 | /4A~31~3 14A~3 8 | es                          |
| -      | 1/3                  | BEAN WORK     | I- 29.79                | Honging Hange    | 45                          |
| a      |                      | Webset BARTER | A = 30 · 79             | free t           |                             |
| - 1    |                      | ANIMA EL      | 5- 1-17                 | 1                | . 2                         |
| 2 ,1   | SW-2-132-004 - A43R  | 810.          | NONE                    | 5-31-79 (2)      | PLET                        |
| 2 0    |                      | AGMA LANGLE   | ייפיי                   | 6-1-79           | 2                           |
| = 8    | C1-144-026-C46n      | REACTOR - 164 | NONE                    | 64- 79 W         | rece man                    |
| - 1    | CT-1-083-011-5758    | 770           | HOWE                    | 6-4- Hand        | FLEE CAME                   |
| - (    | CC-1-070 -002-433R   | 790 %         | MONE                    | 6-4-79 25        | The wave                    |
| - "    | RH-1-063-004-522A    | 778           | None.                   | 6-5-79 8         | FUT HUM                     |
|        | 4-1-028-00/- SSOR    | 742           | nec                     | 6-5-79 4         | FLEX FLAN                   |
| -      | SW-1-013-005-A33K    | 790           | NONE                    | 6-7-79 3         | FLEX man                    |
|        | C4-1-235-002-543K.   | 810'          | NONE                    | 6-7-75 2         | FLSX vac                    |
| ~      | Su-1-102-065-A+14    | 810           | NONE                    | 6-7-79 0         | Not known h<br>Sum for fire |
| ~      | EN-1-034-010 -1105   | C.WI.         | NONE                    | 6-11-79          | FLEX FLOOR                  |
| - 0    | C W-1-273-001 - KO S | "             | NUNE                    | 6-11-19 5        | " "                         |
| - 1    | CW-2-037-011-105     | "             | None                    | 6-11-79 9        | ,, ,                        |
| 71     | Cw-2 -032 -100- 40 5 | 71            | NONE                    | 6-11-79 6        | ,1 11                       |
| 1/0    | CW-1-085-001-105     | ,             | NONE -                  | 6-11-79 6        | 11 11                       |
| - \    | WP-1-043 -006-C46R   |               | MALLO HUYBAT            | 6-12-79 . 5      | LUEY .                      |
|        | CS-2-031-002 -ASSR   |               | NONE OT                 | 6-12-79 01       |                             |
| -, 1   |                      | BALLED FOR    | 9 Houges                | 6-13-79 .        |                             |
| -1. D  | AF-1-078-001-537R    | 59-790        | 100% NAS                | 6-14-79          | cmc6952                     |
| 7      | AF-1-078-001 -537R   |               | ביים ביים               | 6-14-79          | 11 6952                     |
|        | ec-1-061-001-00 ANA  |               | 2 TY DEATH              | 6-14-77          | 11 6953                     |
| -      | CC-1-051-01- A47K    | 807 ELET.     | 28" DEPTh.              | 6-14-77          | 49.53                       |
| _      | 3 922 capie may      | 80722         |                         | 6-14-77          | FLER                        |
|        | SFX-03-001-F46R      | 810 FOEL      | MONE                    | 6-18-79 .        | MILL MALL                   |
| - 00   | # workin             | y DRILLING 1+ | n~9245                  | 6-19-79          | 274                         |
| . 75 - | C5-1-031-002-45 SR.  | 834 a-x       | HILTY BULT DINKED       | 6-20-79          | FLEX                        |
| : 35 u | CH-1- 235-002-5417   | F10 56        | NONE                    | 6-20-79 6        | WALL FLEX!                  |



## IMAGE EVALUATION TEST TARGET (MT-3)

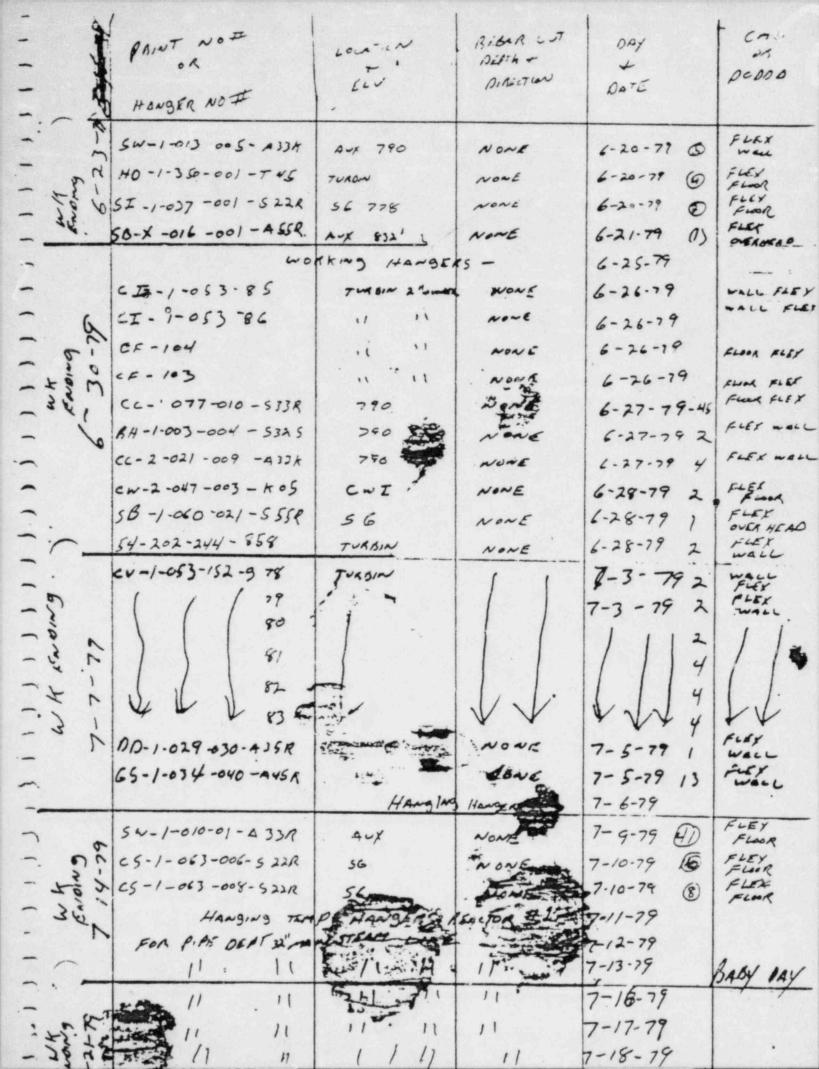






SEIM SEIM OF MILES

Pill GZill GZill GZIIII



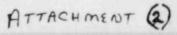
| - F PRINT NO F OR  - T HANGER NOF       | Location ELV'  | REBAR CUT<br>DEPT+ DIREC | PAY<br>PATE   | cac<br>ox<br>poor |
|---|----------------|--------------------------|---------------|-------------------|
| }                                       | Allene         |                          | 77            | 3234              |
| - "CAOLE TRAY 6465                      | 770            | NONE                     | 719-79 D      | FLEY              |
| CANLE TRAY 53.38                        | 807 cutou      |                          | 1-19-7965     | ware              |
| 5W-2-035-004 - Jos A                    | S.WJ.          | NOWE STATES              | 7-23-79 (8)   | FLOOR             |
| - SB-X -017-001 - ASSR                  | 850, 4"        | NONE                     | 7-25-79 @     | FLEX<br>OVER HEAD |
| - CF 100 GRWAGEL                        | 830'0"         | NONE                     | 7-26-79-3     | FLES              |
| - 5B-X-017-005-ASSA                     | 842            | NONE                     | 7-26-19 (2)   | PLEY<br>OVERMED   |
| - 68x-017-004-ASSR                      | 842            | NONE                     | 7.27-75 4     | DERHEAD           |
| - SW-1-026-001 - JOJA                   | 80613"         | NONE                     | 7-27-19-4     | wall<br>eler      |
| - CC-1-007 -039 -A63R                   | 869'4"         | NONE                     | 7.27.79 (2)   | FUET              |
| - ec-1-007 -076- A63R                   | 868,104        | NONE                     | 7.30-79 (2)   | FLET              |
| - 58 x-017 - 002 - ASSR                 | 848, 0,,       | NONE                     | 7-30-79 (4)   | FLEY<br>OVERHEAD  |
| - 38.22 CAOLE TRAY                      | 807'           | NONE                     | 7-30-79 0)    | FLEY              |
| NO DAILLING                             | CLEAN + RE     | TAIR EZU.                | 8-1-79        |                   |
| 5\$ 1-035-054 535A                      | 807,           |                          | 8-2-79 6      | WALL WALL         |
| 3 284                                   | 807 fic conice | none                     | 82.79 0       | FLET              |
| 5358                                    | 807 .1         | NUNE                     | 86-79 9       | FLKY<br>.WALL     |
| - HCL -1 - 5BO 17-23                    | .778 4-X       | NONE                     | . 86-79 0     | FLET              |
| - CONDUIT HANGER SUPPORT                | 832 AUX        | 10% MORE                 | 8.8.79 0      | FLEY DCA          |
| - 11 .11 11 /                           |                | 3" OLPH                  | 9-8-79 0      | DCA 500,          |
| " |                | 100 70 mars              | 8-8-17 0      | DEA CO!           |
| n H                                     |                | 10070 HOAZ               | 1 1 0.77      | DCA 5x1           |
| CCX-044-003-F43R                        |                | 1"                       | @             |                   |
| CCX - 038 -002-F43R                     |                |                          | 0             |                   |
| . CCY - 038 -003 F43A                   |                |                          | 3             |                   |
| 5 6 58                                  |                |                          | 6             |                   |
| H - 64-X 718 -024 = 7                   | 832 evy        | None                     |               | thy mn            |
| 5W-1+32-072-543R                        | 8113"          | NONE                     | 8-16-79 9 5   | est much          |
|   | 874, 6.,       | NONE                     | 8-16-77 6 F   | us man            |
| C4-1-028-019-533R                       | 806, 26        | NONE.                    | 8-21-79 6 5   | er antimos        |
| - AF -1-001 -011 -4338                  | 300 6 Yare     | NONE                     | 8-21-19 (B) F | ist work          |
| - AF-1-001-010-Y33R                     | 800'6"         | NOWE                     | 8-23-79 Q FL  | ex- nacl          |
| - COSLE TRAY RISC CONT                  | de 807.        | MONE                     | 8-21-79 B F   |                   |

| - | · PRNTNOTTOR         |                 |                        |            |                                   |
|---|----------------------|-----------------|------------------------|------------|-----------------------------------|
| - |                      | Location        | BEBAK CUT              | 004        | , cae                             |
| - | HANGEL NOTE          | ELV.            | DETA + DIGION          | THE        | DCDDA.                            |
| - | CC-1-193-004-C525    | REACTOR # 1     | SI'NE                  | 8-24-79.2  | FLEX WOLL                         |
|   | 00-1-017-008-A33R    | A-K 790         | N Drow90               | 8.24-79 D  | OCA -5373                         |
|   | 00-1-017 OUS -03XR   | A- 190          | 311 0COTH<br>MYS -1070 | 8-74-79 1  | OCA -5373                         |
|   | 5 w -x-007-001-JosR  | 810-5~I         | NONE                   | 8-27-796   | FLEX WOLL                         |
| _ | SF X-068-002-F43R.   | 790 FUTL        | NONE                   | 8-22-19-1  | FLEX OVERHEAD                     |
| - | £957                 | 935' 4"         | S" DEATH               | 8-28-79 0  | 0CA<br>5410                       |
|   | 1957                 | 835' 4"         | 5" DIPTH               | 8-24-74 0  | \$410                             |
| - | 1957                 | 835' 4"         | 5" DEPTH               | 8-28-77 0  |                                   |
| - | SW-X012 008-TO3R     | 5~2             | NONE                   | 8-29-79 0  | SHIO<br>FLEX<br>DRILLED OUT HILTY |
| - | 2650 CAPLE TRAY      | 852 cm          | none                   | 8-30-796   | FLEX                              |
|   | 6041 CAGLE TRY       | REACTED 2#      | Len =                  | 9-13-7     | FIEL BEAM                         |
| - | 6042 11 Thay         | *1              | M.                     | 11 1       |                                   |
| - | 1043 11 11           | ()              | "                      | 11         |                                   |
| - | 6043 11 11           | 11              | 4                      | 9-17-79 1  | FLEX BEAM                         |
| - | - 3412 11 11         | 56 8321         | BROKEHILTI SKT         | 9-18.79    | colum                             |
| - | 110-1-43-45 5 556    | 56. 790         | N. 1.5                 | 7 17. 79 4 | FUEX                              |
| - | CC-1 :37 =10 -A-X    | 14-x 790        | NOWE                   | 9-20-794   | PLEX                              |
|   | CC-1-19 = 15-43 X    | A 790           | .0.02                  | 9-20-79 2  | FICK                              |
|   | (C1-2-14 -001-47 1   | 12.8 756        | ners.                  | 4-21-79-1  | 1 LEY                             |
| _ | (2-1-16 2 - 2 , 3)   | A-x 972         | 10, 0.5                |            | per.                              |
| _ | CH-X-047-003-A75R    | AUX 873         | NONE                   | 9-21-771   | FLEX WOLL                         |
| - | C17-X-001-016-A75K   | A-X 873 -       | none                   | 10-2-79-2  | FLEIMALL                          |
| • | CH-X-0093-001-475K   | 1-x+1)          | NOVE                   |            | wa                                |
| - | CC-1-CC7-C31-D53K    |                 |                        | 10.2.79. 6 | full                              |
| - |                      | A-X 83/6"       | NOWE                   | 10-3-79-11 | fuer fuer                         |
| • | CC-1-156-004-A63R    | A-X 852 '6"     | Nove                   | 10-3.7 4   | FLEY                              |
|   | C. 40 Lie 710y 39 40 | 59 70           | none                   | 10-3-77-4  | ware                              |
|   | GHH-no-1-09-033 3-3  | D- 95~          | NONE                   | 10-4-79-1  | FLEY                              |
| - | 5W-1-026-007-JO3R    | 5 ~ 1           | NOVE                   | 10-4-71-1  | FLEX                              |
| _ | 3974 CABIL-MAY       | 8 54 aux        | word                   | 18-5-79    | ruis were                         |
| - | CC-x-039-006-F43M    | 810             | 125                    | 10-9-79    | 156.C                             |
| - | EC-1-116-013-1-43R   | 810             | NONE                   | 10-9-79    | FLEX                              |
| - | ELECT DEPT -         | 807 CONTAIL AM. | 3+ 10-76 NAS           | 10-9-79    | OCA - 5854                        |
| - | CA-1-028-016-CUER    | 808-A#1         | PRILLED ISKOTE         | 10-17-79   | STAND                             |
|   | (                    |                 |                        |            |                                   |

## INTERVIEWEES

| INTERVIENCES       |  |                                     |                          |                         |  |  |
|--------------------|--|-------------------------------------|--------------------------|-------------------------|--|--|
| NAME               | PRESENT<br>POSITION  | PRIOR<br>POSITION                   | DATE<br>INTER-<br>VIEWED | STATEMENT               |  |  |
| Gary D. Alford     | Electrical termination                                       | Pipe hanger fitter                  | 5/04/83                  | yes                     |  |  |
| Heriberto Bermea   | Pipe hanger fitter   | Pipe hanger helper                  | 5/10/83                  | yes                     |  |  |
| Hollis D. Bogart   | Pipe hanger foreman  |                                     | 5/04/83                  | yes                     |  |  |
| Rex A. Brooms      | Pipe fitter  | Pipe rigger                         | 5/05/83                  | yes                     |  |  |
| Daniel K. Brown    | TUGCO mechanical helpe                                       | r Pipe hanger fitter                | 5/06/83                  | yes                     |  |  |
| Thomas M. Commons  | Piping Design Services<br>Inc. engineer                      |                                     | 5/06/83                  | Results of<br>Interview |  |  |
| Edwin S. Dean      | Pipe hanger general foreman                                  |                                     | 5/05/83<br>5/10/83       |                         |  |  |
| Roy O. Estes       | Pipe hanger fitter   | Pipe hanger foreman                 | 5/04/83                  | yes                     |  |  |
| Dean A. Fellinger  | Dravo Constructors,<br>Inc., construction<br>project manager | Gibbs & Hill engr.                  | 5/09/83                  | yes                     |  |  |
| Danny K. Grisso    | Cable tray supports fitter                                   | Hanger drill crew<br>foreman        | 5/03/83                  | yes                     |  |  |
| Nathan D. Hammett  | Pipe hanger foreman  |                                     | 5/03/83                  | yes                     |  |  |
| James D. Hullum    | Start-up support   | Pipe hanger general foreman         | 5/03/83                  | yes                     |  |  |
| Raymond H. Hebert  | Pipe hanger<br>superintendent                                |                                     | 5/05/83                  | yes                     |  |  |
| Eli Holmes         | Pipe hanger welder   |                                     | 5/10/83                  | yes                     |  |  |
| Billy R. Jones     | Pipe hanger fitter   |                                     | 5/03/83                  | yes                     |  |  |
| Ronald D. McBee    | Pipe foreman   |                                     | 5/05/83                  | yes                     |  |  |
| Donald W. Mason    | Pipe hanger general foreman                                  |                                     | 5/03/83                  | yes                     |  |  |
| Charles E. Neagle  | Pipe hanger fitter   | Pipe hanger foreman                 | 5/04/83                  | yes                     |  |  |
| Michael E. Sanders | Lead welder  | Pipe hanger lead<br>general foreman | 5/03/83                  | yes                     |  |  |
| Jimmy R. Starkey   | Pipe hanger fitter   | Pipe hanger general foreman         | 5/04/83                  | yes                     |  |  |
| Tommy J. Thompson  | Pipe welder  | Pipe hanger welder                  | 5/03/83                  | yes                     |  |  |

The signed, sworn statements are maintained in the OIFO:RIV, and the testimony of individual witnesses is available to NRC personnel.



## TERMINATEL BEDAN & ROOT EMPLOYEES

| NAME                | DATE<br>TERMINATED          | PRIOR<br>POSITION      |
|---------------------|-----------------------------|------------------------|
| Richard Asevado     | 8/)5/82                     | Pipe Hangers           |
| Kenneth H. Evans    | 1/21/82                     | Welding Technician     |
| Hal Goodson         | 11/01/82                    | Pipe Hangers           |
| Joe Gray            | 1/27/83                     | Pipe Welder            |
| Louis Hale          | 8/10/79                     | Pipe Hangers           |
| Rusty Hamilton      | 6/07/82                     | Structural Iron Worker |
| Larry Haney         | 8/02/79                     | Pipe Hangers           |
| Gary Hill           | 7/09/82                     | Structural Iron Worker |
| Barry Kerfoot       | 3/22/79                     | Pipe Hangers           |
| Paul Latham         | 10/14/82                    | Pipe Hangers           |
| Richard Montjar     | 6/02/82                     | Pipe Hangers           |
| Jackie Moore        | 8/30/79                     | Pipe Hangers           |
| Charles R. Phillips | 5/21/82                     | Structural Iron Worker |
| Mike Robinson       | 8/27/79                     | Pipe Welder            |
| Glen Southard       | 7/09/80                     | Pipe Hangers           |
| J. W. Strickland    | 8/22/79                     | Structural Iron Worker |
| Joe Williams        | 4/21/80                     | Pipe Hangers           |
| Tim DeSpain         | termination<br>date unknown | Pipe Hangers           |