9243 TI

United States Department of the Interior

ms-16

FEB 0 6 1986

BUREAU OF LAND MANAGEMENT CASPER DISTRICT OFFICE

951 N. Poplar Casper, Wyoming 82601 Telephone: (307) 261-5101

Nuclear Regulatory Commission Attn: Mr. Jack E. Whitten Region IV 611 Ryan Plaza Drive, Suite 1000 Arlington, TX 76012

RE: Control No. 418656

Dear Mr. Whitten:

The following information has been requested so that you can renew our NRC material license.

la. We require that the individuals who will use or directly supervise the use of licensed material attend the 24-hour course, "Safety School Well Logging." Both Harry Cureton and Don Rhea have satisfactory completed such a course sponsored by Gulf Nuclear, Inc.

The main topics of instruction included radiation physics, detection and measurement techniques, biological effects of radiation, protection practices, use of radioactive sources, transportation and storage safety requirements, and reports and records requirements for radioactive materials. The course covered all seven areas that are outlined in your letter.

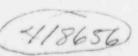
b. Enclosed are certificates issued by Gulf Nuclear, Inc. showing satisfactory completion of the course. Both had to pass a written examination before the certificate was issued.

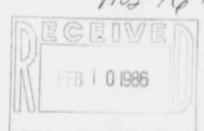
Harry Cureton also attended a second 24-hour "Radiation Safety for Well Loggers" course, certificate attached.

c. On-the-job training is provided to a summer temporary helper. All sources are handled by Harry Cureton and he also provides direct supervision to the equipment operator. The training is a review of the course content from the Gulf Nuclear workbook and the Radiation Protection Program. We do this for the safety of the temporary employee and feel this meets the requirements as Harry Cureton is with the unit and is the only one authorized to handle the sources.

8603240530 860310 REG4 LIC30 49-19256-01 PDR

FEE EXEMPT





Don Rhea has attended the course and is the supervisor of the entire drilling operations. Harry Cureton supervises the field crews and is in charge of the actual work being done in the field.

- 2. See 7.1 of the "Radiation Protection Program." Also attached is a floor plan of the 111 South Wolcott Street storage area. This is the only permanent location where we store radioactive material. When the materials are in use they are locked up in the logging van (see 7.2).
- Attached is a sketch of the logging tools (also see 4.2 of the "Radiation Protection Program"). We have made the point to never hand-hold a source.
- 4. Attached is a copy of the utilization record. This form has been revised to meet the requirements outlined in your memo.
- 5. Amendments to the "Radiation Protection Program" have been made which requires inspection and maintenance of source holder, logging tools, source handling tools, storage transport containers to assure proper labeling, and the devices' physical condition. Inspection will be done on 6-month intervals.
- 6. Revised copy of "Radiation Protection Program" is attached.
- All the documentation required will be available at the temporary job site.
- 8. The only office is in Casper and all items listed will be available. Presently we have all the information except a semi-annual physical inventory; however, we do have leak tests for our three sources which are done semi-annually. In future, records will be maintained for physical inventory.
- 9. All personnel who work in and around or visit a restricted area will be informed by the RPO. They will be informed about radiation hazards and appropriate precautions upon being hired. The handling of all sources is restricted to the RPO. Any and all people within the immediate area will be required to wear a badge and individual records are maintained. We have a briefing of the Radiation Protection Program and a review of Gulf Nuclear's course for these people. There is no formal training; however, the employees are not allowed to handle the sources and the RPO is present at the job site at all times.
- 10. Enclosed are sketches of the storage/transport containers that we utilized.
- 11. The well logging consists of coal test holes.

12. Enclosed is a sketch of the transport containers showing the markings. We do not transport any sources as a separate piece of equipment. All of our sources are sealed.

Sincerely,

District Manager

Jamesumonrae

Enclosures



This certificate indicates that DON RHEA has satisfactorily completed an instruction and handling training course for Radiation Safety for oil well logging.

JANUARY 13, 1984

Date

Gulf Nuclear, Inc. Houston, Texas

Hally Rood



This is to certify that

HARRY R. CURETON

has successfully completed the Educational Course in

RADIATION SAFETY FOR WELL LOGGERS

as prescribed under The Training Program presented by Support Consultants & Associates

U. S. GEOLOGICAL SURVEY

MARCH 26, 1981

Date

Training Officer



HARRY R. CURETON

has satisfactorily completed an instruction and handling training course for Radiation Safety for oil well logging.

JANUARY 24, 1978

Date

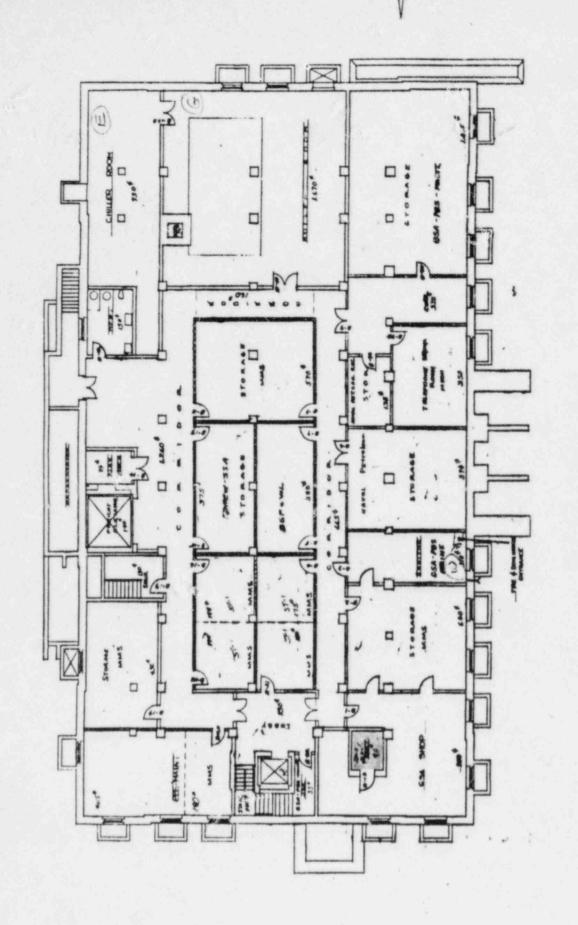
Gulf Nuclear, Inc. Houston, Texas

Frank malek

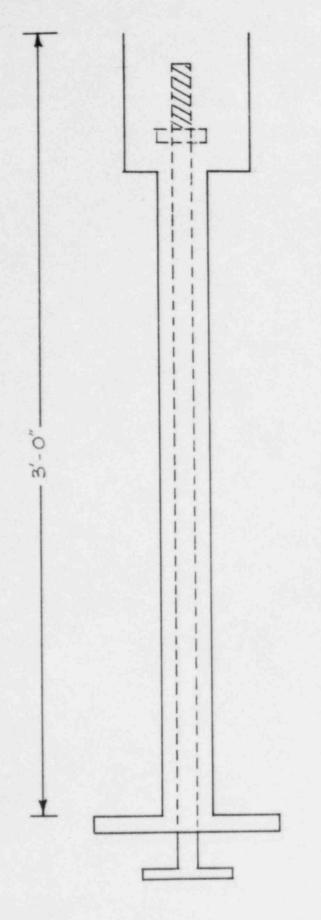
Instructor

Walls P. Peyela J.

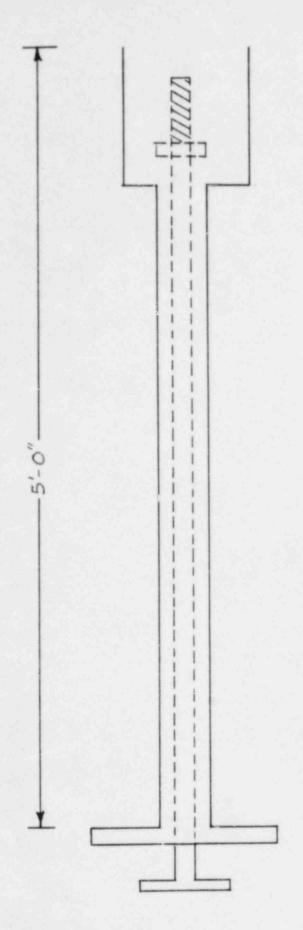
Walter P. Peeples, Jr. President



GASEMENT FLOUR PLAN



HANDLING TOOL



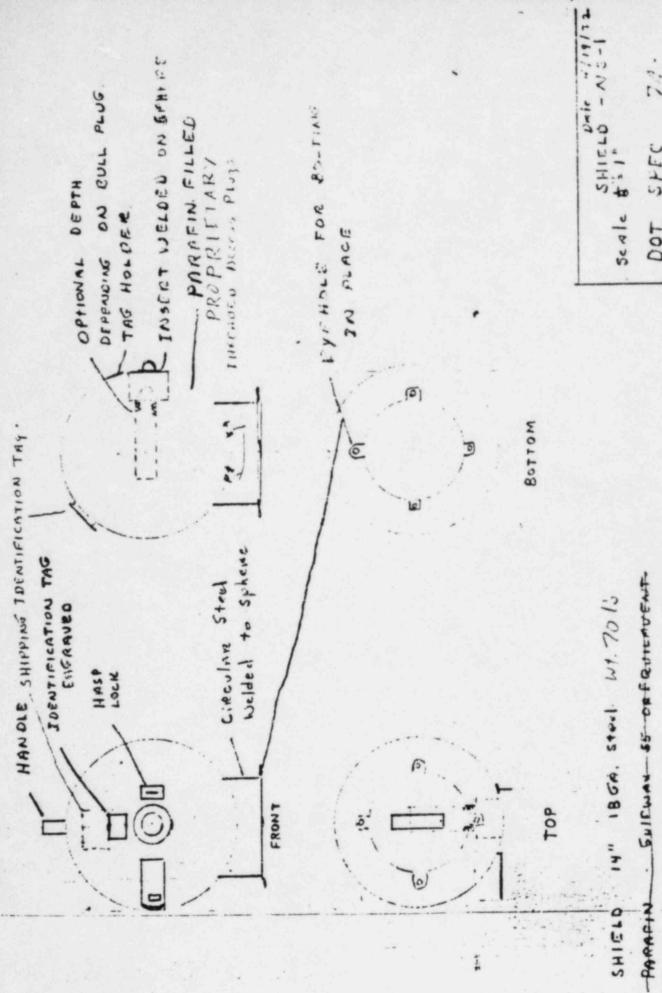
HANDLING TOOL

INVENTORY, INSPECTION, AND MAINTENANCE OF EQUIPMENT

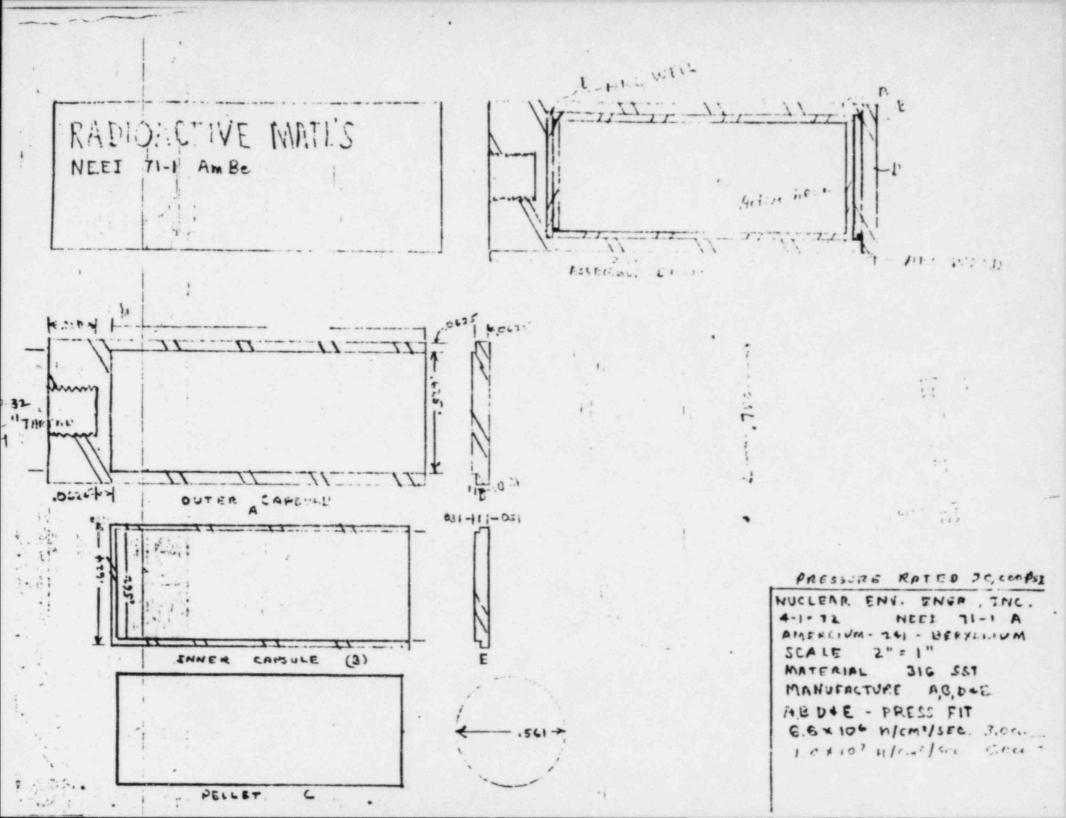
Inventory, inspection, and maintenance to be completed every six months.

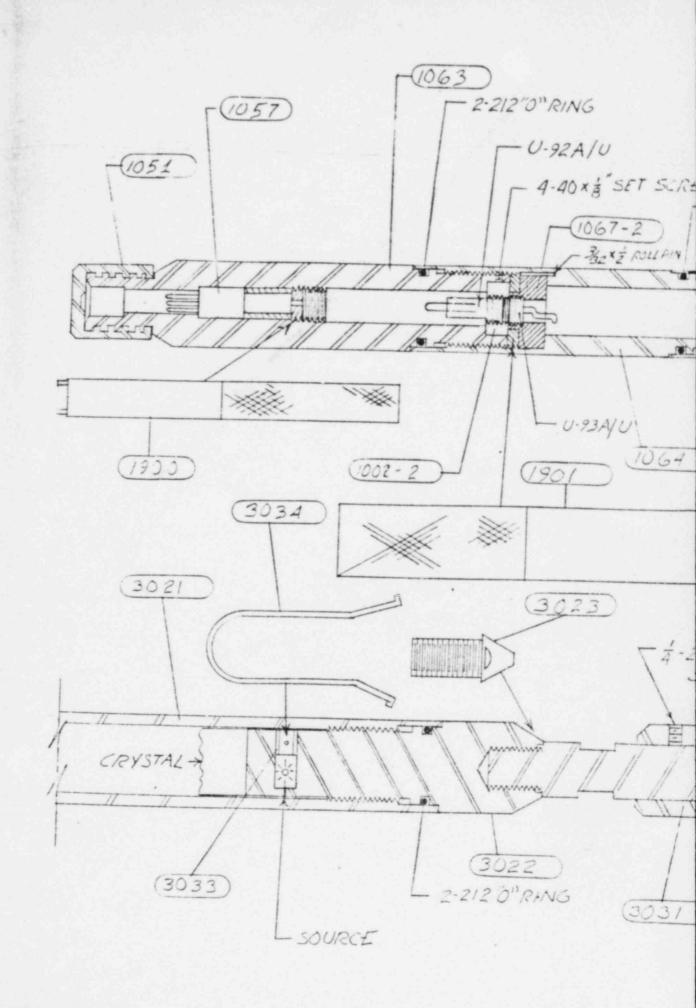
RADIOACTIVE SOURCE UTILIZATION RECORD

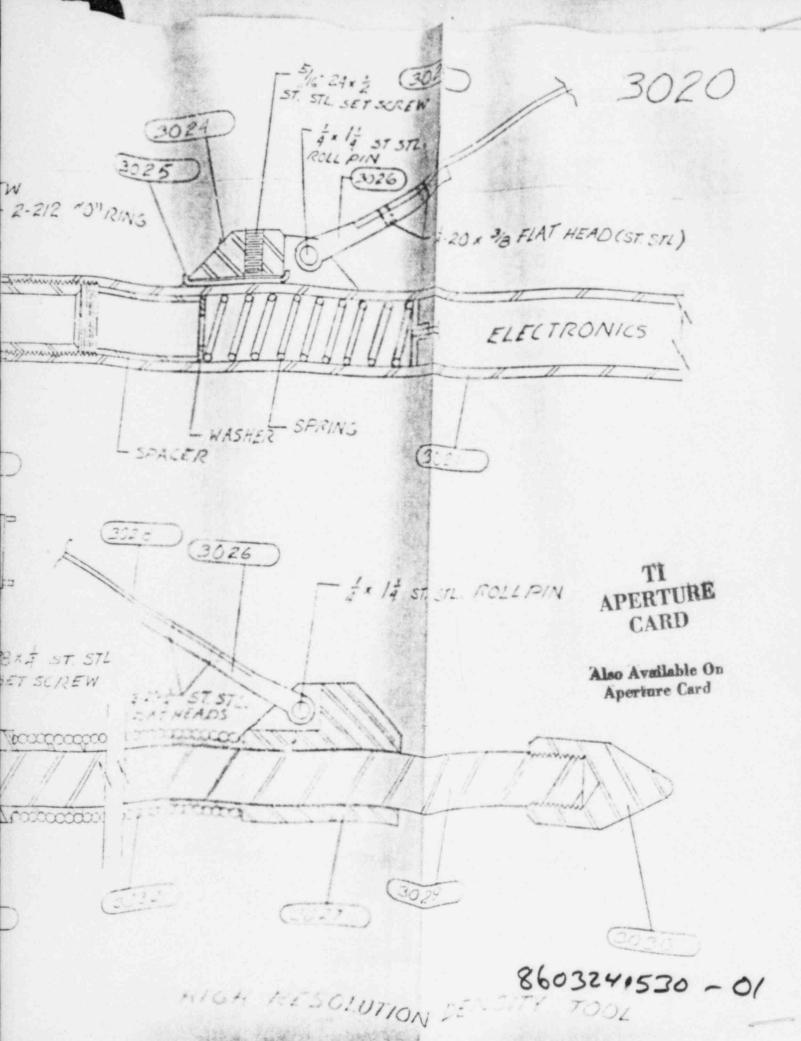
SourceMake Model Number	Serial Number	Date Removed	Location Used (Lease and County)	Date Returned
i				



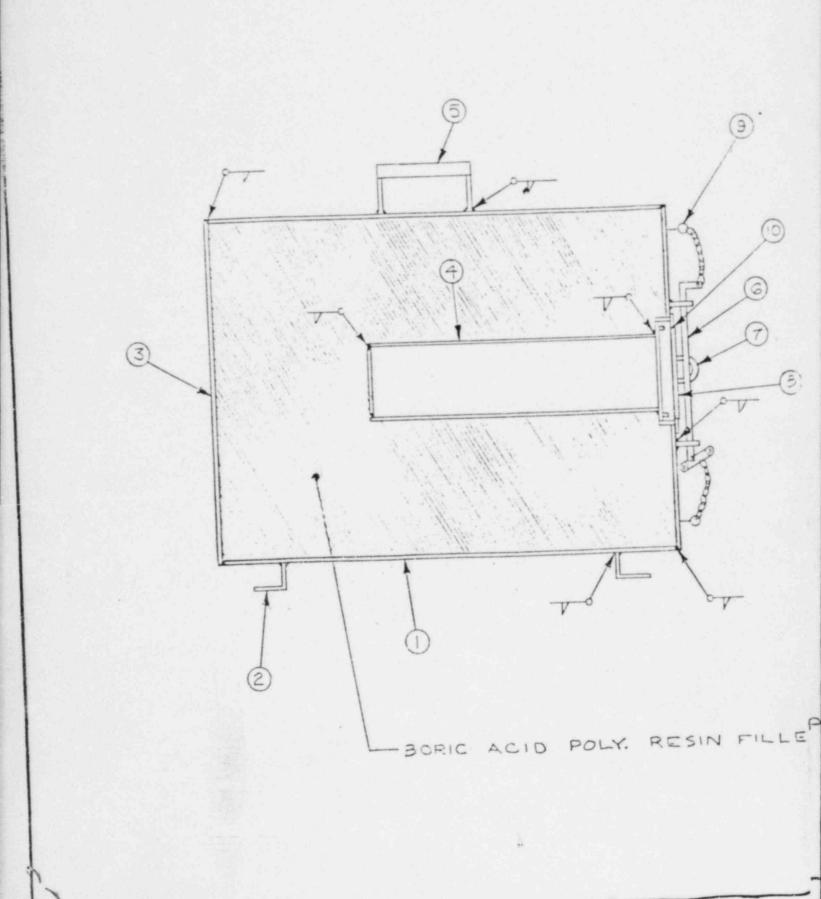
DOT SPEC







4-30-73



	FARTS -15T	
75.7T \0.	PERCENTER	17 VI E 11.77
-1-	14 OD X 4 LONG 11 GA. CYLINDER	HRM.S
2	14"X1%"X12"X"ANGLE 1RONLEG(2REQ)	H,R,M.S.
3	14" O.D. 11GA. PLATE (Z REQ.)	HIRMS.
4	35 0.0. x9" LONG II GA. CTUNDER	H,RMS,
5	HANDLE - 44"LONG X 1"OD TUBE 5" OF 1"X " FLATBAR	C.R.M.S
6	LOCKPIN G"X % O.D BARSTOCK	C.R.N.S
7	"U" GUIDES (3 REQ) 7 1/2" X 4" O.D. BARSTOCK	CRIM.S.
3	DOOR 5"X4"X4" PLATE	H.R.M.S.
9	1/4-20 EYE BOLT I"LONG (2 REQ.)	S. s.
10	DOOR HINGE 234X ZX TUES A'X 12 O.D. BARSTOCK	C.R.M.S.

* 50 LBS. BORICACID POWDER 3 GAL POLYESTER RESIN

FOZ. HARDNER

APERTURE CARD

Also Avadlable On Aperture Card

DURED FULL*

REVISIONS		NS .	CHIENHICLEAD INC			
10	DATE	BY	GULF NUCLEAR, INC.			
1			14 X 14 NI	EUTRON SHIELD		
2						
3			DRAWN BYMPF	SCALE NONE MATERIAL		
4			LHK'D	DATE 1-24-35 DRAWING NO.		
5			FRACED	APP'D 9:16+5		