

# CROW BUTTE RESOURCES, INC.

86 Crow Butte Road  
P.O. Box 169  
Crawford, Nebraska 69339-0169



(308) 665-2215  
(308) 665-2341 – FAX

October 28, 2005

Mr. Gary Janosko  
Branch Chief  
Fuel Cycle Licensing Branch  
Division of Fuel Cycle Safety and Safeguards  
c/o Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington D.C. 20555

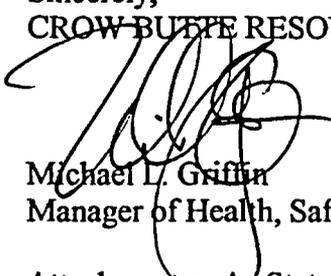
Subject: 2005 Annual Pond Inspection Report  
Source Materials License SUA-1534  
Docket Number 40-8943

Dear Mr. Janosko:

Enclosed please find an original certified copy of the Crow Butte Mine 2005 Annual Pond Inspection Report. This report is required under License Condition 11.4 of Source Materials License SUA-1534 in accordance with the latest revision of the Evaporation Pond Inspection Program dated February 5, 1996. Mr. David Coe, an independent contractor and a registered Professional Engineer in the State of Nebraska, performed the pond inspection and the technical evaluation, and wrote the final report. Civil surveys were performed by Pine Ridge Land Surveys of Chadron, Nebraska.

If you have any questions, please feel free to contact me at (308) 665-2215.

Sincerely,  
CROW BUTTE RESOURCES, INC.

  
Michael L. Griffin  
Manager of Health, Safety, and Environmental Affairs

Attachments: As Stated

JE07

**CROW BUTTE RESOURCES, INC.**

**86 Crow Butte Road  
P.O. Box 169  
Crawford, Nebraska 69339-0169**



**(308) 665-2215  
(308) 665-2341 – FAX**

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cc: Mr. David Miesbach  
Groundwater Unit Supervisor  
Nebraska Department of Environmental Quality  
PO Box 98922  
Lincoln, Nebraska 68509-8922

Mr. Steve Collings – CBR, Denver

**CROW BUTTE RESOURCES, INC.**

**CROW BUTTE MINE  
DAWES COUNTY, NEBRASKA**

**2005 POND INSPECTION REPORT**

By: David V. Coe, PE  
Nebraska Registration No. E - 4295

October 27, 2005

  
A circular professional engineer seal for David V. Coe, E-4295, State of Nebraska. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER" around the top and "STATE OF NEBRASKA" around the bottom. The name "DAVID V. COE" and registration number "E-4295" are printed in the center. A handwritten signature "D. Coe" is written over the seal, and the date "10/27/05" is written to the right of the seal.

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Attachment 1	-	Engineer's Inspection Diary Notes – 2005 Pages 1 - 8
Attachment 2	-	2005 Annual Survey Data

## 1.0 GENERAL:

An annual inspection of the Crow Butte ISL Mine pond system is required by the Evaporation Pond Onsite Inspection Program dated December 1992 (Revised February 26, 1993, August 30, 1993 and February 5, 1996) and by reference under license condition number 11.4 of SUA-1534. The inspection program provides for systematic inspections and an annual technical evaluation and inspection report which compares field inspection data with engineering design reports to assess structural stability and hydraulic and hydrologic capacities.

The 2005 annual report covers the time period of November 2, 2004 through November 1, 2005. During that period five evaporation ponds were in use, two R&D ponds (Cells 1 & 2) and three commercial ponds (Ponds 1, 3 and 4).

The R&D pond design report was prepared by Klohn Leonoff Consulting Engineers in 1983 and construction of R&D cells 1 and 2 was completed in 1985. The R&D ponds have two horizontal to one vertical interior and exterior embankment slopes with a 34 mil interior hypalon liner placed on top of six inches of sand. The underdrain leak detection system piping is located beneath the pond liner and reports to two six inch monitor stand pipes. The overall depth of the R&D ponds is 15 feet and the maximum operating level is 12 feet. This provides three feet of freeboard.

The commercial evaporation pond design report was prepared by Western Water Consultants, Inc. in 1988. Construction of ponds 3 and 4 was completed in 1990 and construction of pond 1 was completed in 1992. The exterior slopes of these ponds are 2.5 horizontal to 1 vertical. The interior slopes are 2:1. Ponds 3 and 4 have a 20 mil PVC bottom liner, an intermediate geonet and a 60 mil high density polyethylene (HDPE) top liner. In pond 1, a 30 mil very low density polyethylene (VLDPE) bottom liner was installed with an intermediate geonet and 60 mil HDPE top liner. Each pond has a leak detection system consisting of six separate perforated four inch pipes which report to leak detection standpipes located on the interior slopes.

The overall depth of Pond 1 is 17 feet from crest to pond bottom and the maximum operating level is 12 feet. The 12 feet provides five feet of freeboard. The overall depth of Ponds 3 and 4 is 17.5 feet with a maximum operating level of 12.5 feet which equates to a five foot freeboard.

## 2.0 REVIEW OF INSPECTION DATA:

The Evaporation Pond Onsite Inspection Program dated December 1992 as amended calls for systematic inspections on a daily, weekly, monthly and quarterly basis. Data from the inspection reports are shown on Charts 1 through 4 including pond depths and underdrain measurements. **Zero pond depths are shown on the charts as a result of frozen pond conditions.**

Two groundwater monitor wells are installed in the uppermost aquifer (Brule) in the commercial pond area and one groundwater monitor well in the R&D pond area. The wells are sampled quarterly for indications of leaks in the ponds. The wells provide backup leak detection for the underdrain leak detection system. The analysis of the quarterly samples tracks alkalinity, chloride, sulfate, sodium and conductivity. The concentration of the above chemicals is compared to baseline data established in 1990 and 1991. A review of the quarterly analysis reports for 2005 indicates all parameters have not substantially deviated from the baseline parameters.

A new sprinkler system has been installed on the commercial evaporation ponds during the last year. The new sprinkler system will have a large influence on the reduction or likelihood of leaks caused by abrasive action of the sprinkler system. The sprinkler system function is to increase the rate of evaporation from the three commercial ponds. The aeration system has been blamed for the principle cause of the leaks. At the time of this inspection; pond #3 had a new sprinkler system installed. Another similar sprinkler system has been ordered to provide sprinkled evaporation in ponds 1 & 3. Pond 4 will be used as a backup for reducing the amount of storage in the sprinkled ponds if evaporation can not keep up with the demand.

### **3.0 TECHNICAL EVALUATION**

The technical evaluation of the Crow Butte Mine ponds utilizes data from the systematic inspection reports, results of the annual survey and a visual inspection of the ponds to assess the hydraulic capacities and structural stability of the ponds.

Diary notes of the annual inspection are attached to this report as Attachment 1. The notes cover the visual inspection of the five ponds and the review of the reports and records for the review period of December, 2004 through October, 2005.

The annual survey was done in October and compared with previous annual survey data. No problems were indicated from a review of the survey information. The most significant change in elevation was in a positive direction by adding gravel base course or blading the access road (+0.99'). The rebar and cap for base line 10+00 had a negative change (-0.22'). Results of the annual survey are included in Attachment 2.

Pictures of the ponds have been taken for the last eight years. There has been significant improvement in the vegetative cover of the pond embankment slopes over the course of those years. The gravel surfacing of the embankment berms improves the stability of the dam embankments. The gravel surfacing of the top of the berms prevents erosion and provides additional stability of the berm when vehicles travel on the berm during inclement weather. There are remaining sections of the pond's berms that could be surfaced with limestone base course.

No problems in the existing embankment alignment or sloughing were detected during the visual inspection of the ponds, diversion ditches and embankments. There were no

signs of seepage in the embankments or at the toe of the embankment slopes. The drainage channel between ponds 3 & 4 has been improved since the last report.

A review of the weekly, monthly and quarterly inspection reports indicate there were no significant shortfalls of the pond operations during the year of 2005. All the required inspections, reports and record keeping were accomplished during 2005. The monitoring well analysis reports were taken on a quarterly basis. No significant deviation from baseline data was reported.

Calculations of diversion ditches were not included in this report, but are referenced in the previous annual reports. There have been no changes in the capacity of the diversion ditches over the last nine years. The existing ditch calculation of ditch flow can be found in Attachment 2 of the 2001 annual inspection report. These ditch calculations are also permanent records on file in the office of Crow Butte Mine. The installed ditches are capable of containing the design storm (USBR one-hour thunderstorm, zone 3) with an adequate freeboard.

The ponds have been operated at higher levels during 2005. The capability of transferring one pond's storage into another pond without overflowing was maintained during the 2005 year. As of October 24, 2004 the pond system contained about 80 acre-feet (AF) of stored water. The allowable storage capacity of the five ponds is 122.4 AF which provides for transfer of any one pond's storage to another pond in the system in the event of an emergency. At the time of this inspection; storage water was being transferred from pond #1 to pond #4. The transfer was at a slow rate. The liner of pond #4 had recently been repaired; therefore, the storage depth was being increased.

#### 4.0 CONCLUSIONS:

The visual inspection of the five evaporation ponds and diversion ditches along with the review of the available inspection reports and data indicate the ponds are operating in the constraints of the engineering design.

The new aeration system will probably reduce the chances of liner damage and leaks. The new system should enhance the rate of evaporation. Vegetation was in good shape. Mowing of the embankment slopes has not been done this year. This practice reduces the slope damage on the embankments.

The pond system is operating within its designed storage capacity. Adequate freeboard existed in each pond throughout the year and reserve capacity was available in the system to transfer the contents of any one pond to the pond system.

Improvement work has taken place during the 2005 season. The diversion ditch between ponds 3 & 4 has been reconstructed to conform to the design requirements. Diversion ditches were in good shape and are capable of containing the design flood.

The addition of gravel surfacing on the top of the embankment berms helps stabilize the embankments. Continuation of this practice would enhance the areas without gravel surfacing. Gopher and rodent maintenance has shown a great improvement over the last few years. There were very few dirt mounds in the pond fenced area.

The rebar in the R & D ponds should be addressed to determine their function and or need. This is probably a safety problem and does not have much bearing on the stability of the evaporation ponds.

### Commercial Pond 1 - 2005

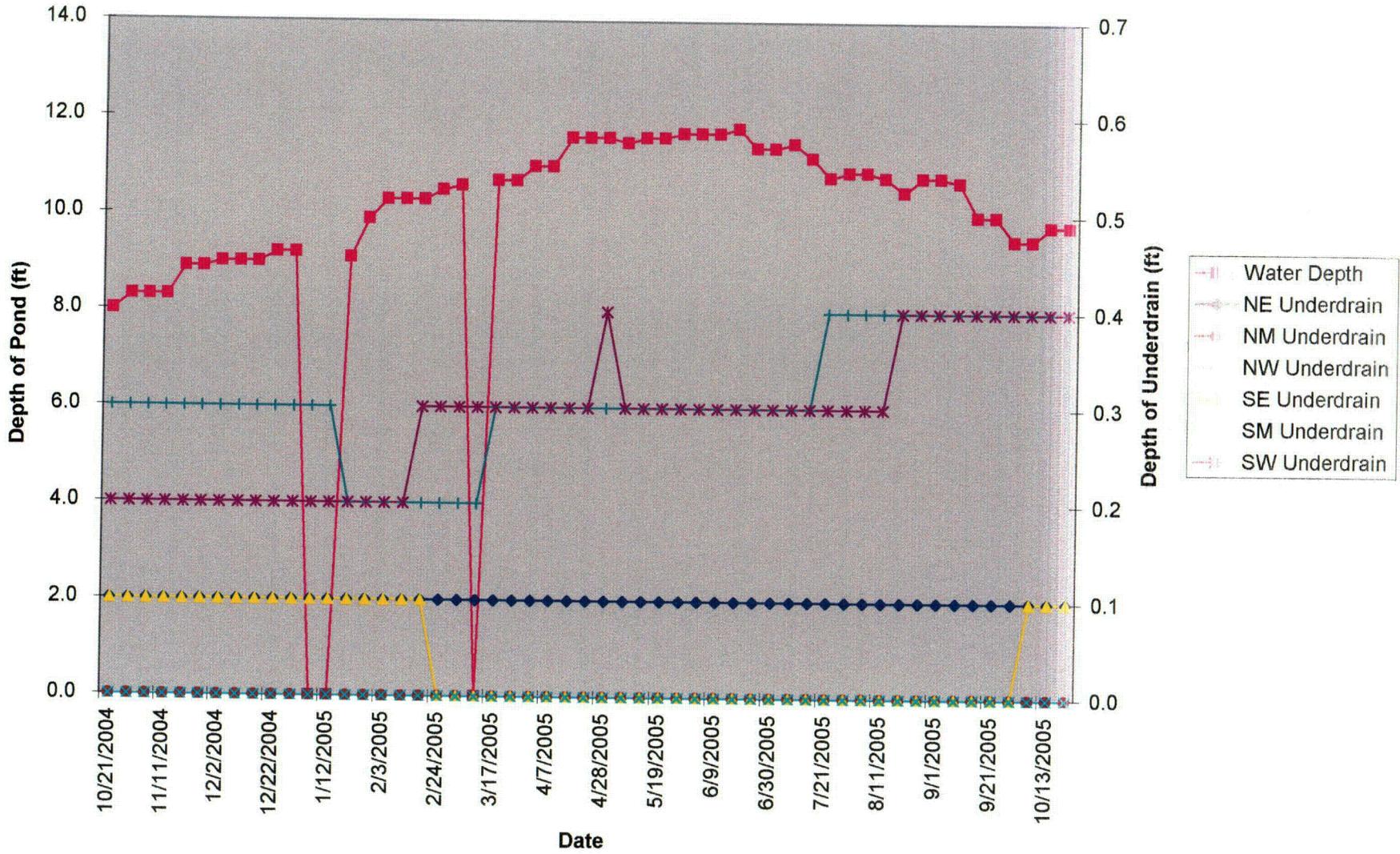


CHART 1

### Commercial Pond 3 - 2005

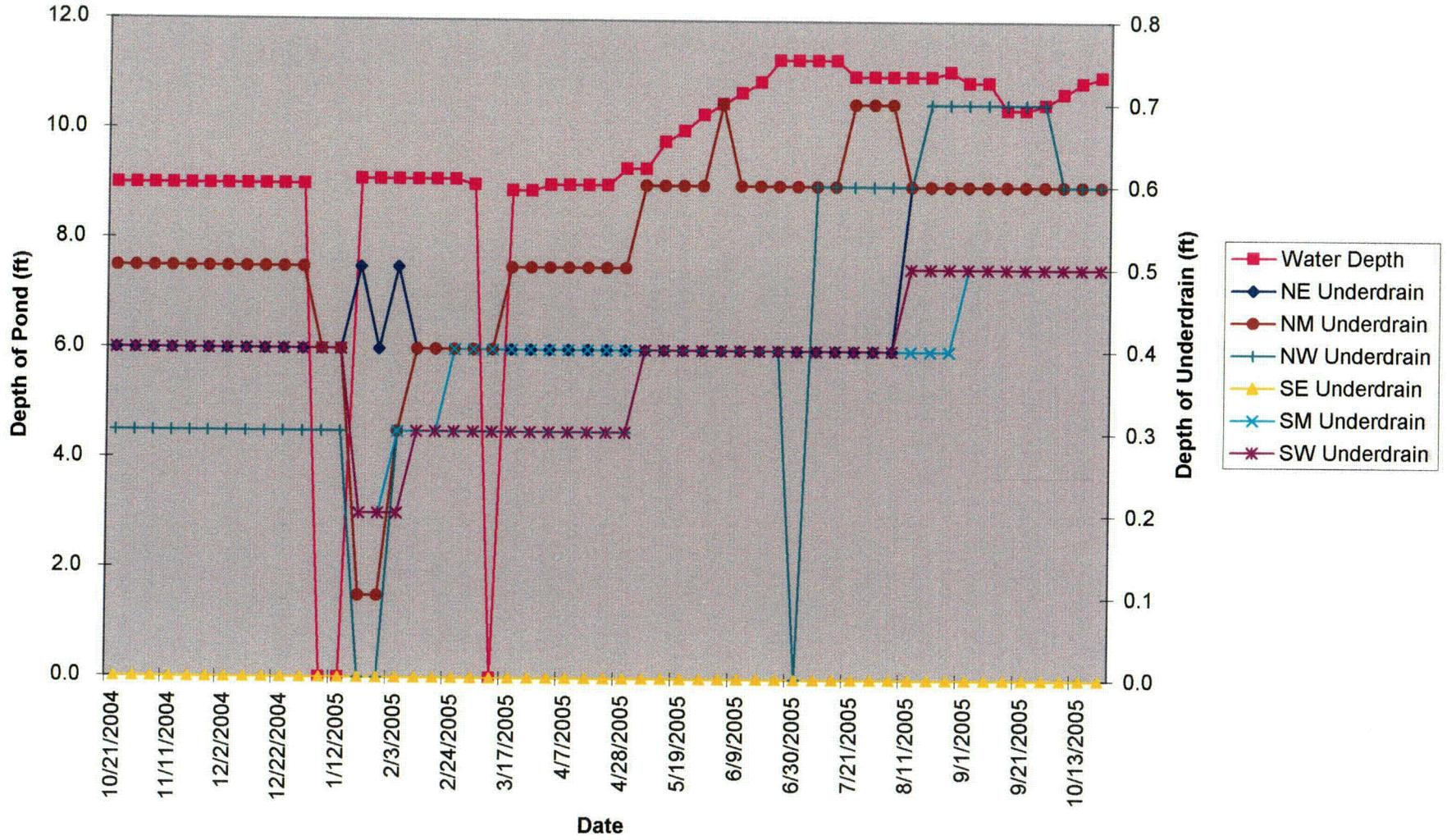


CHART 2

COZ

### Commercial Pond 4 - 2005

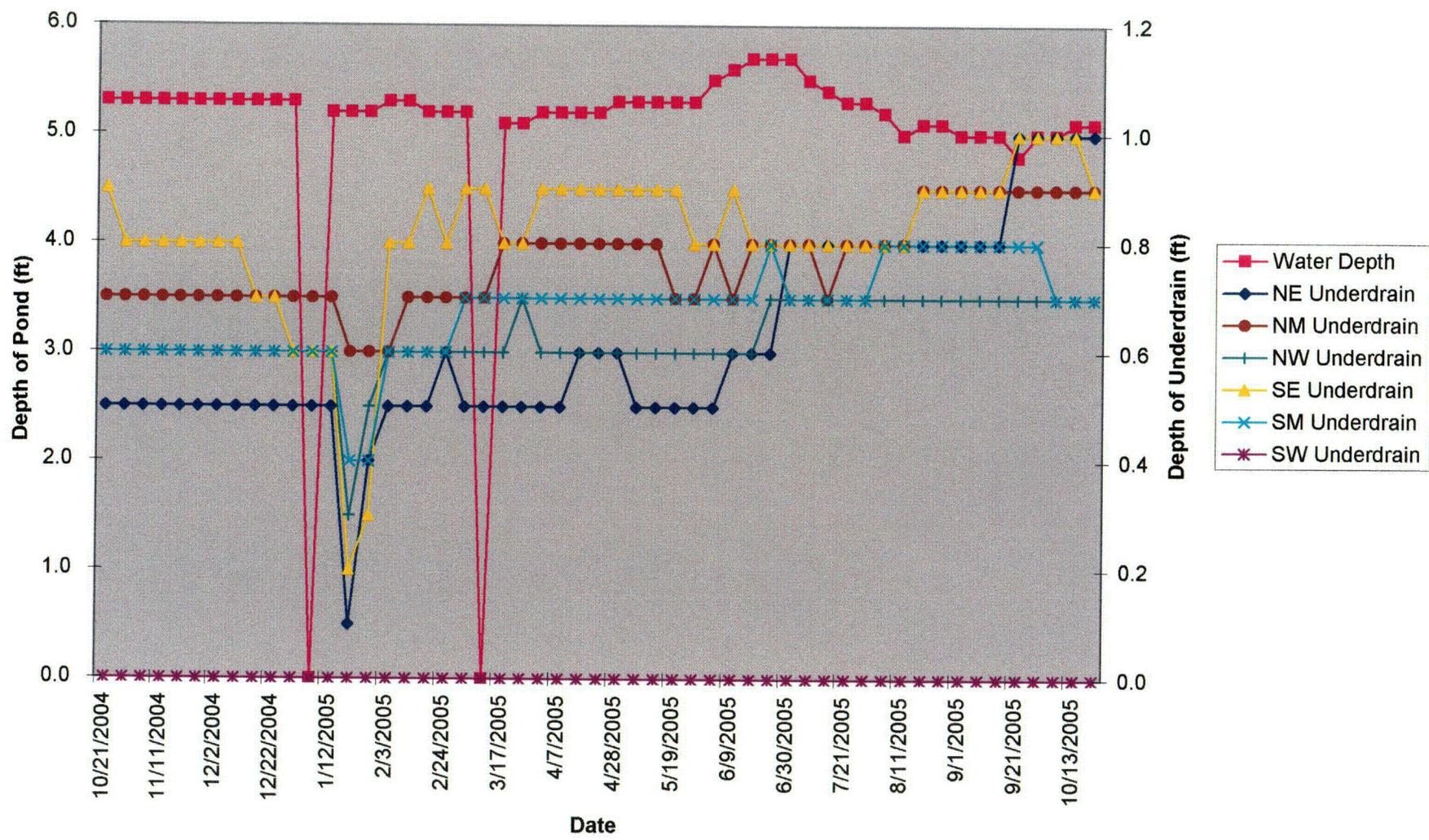


CHART 3

# R & D Pond Levels - 2005

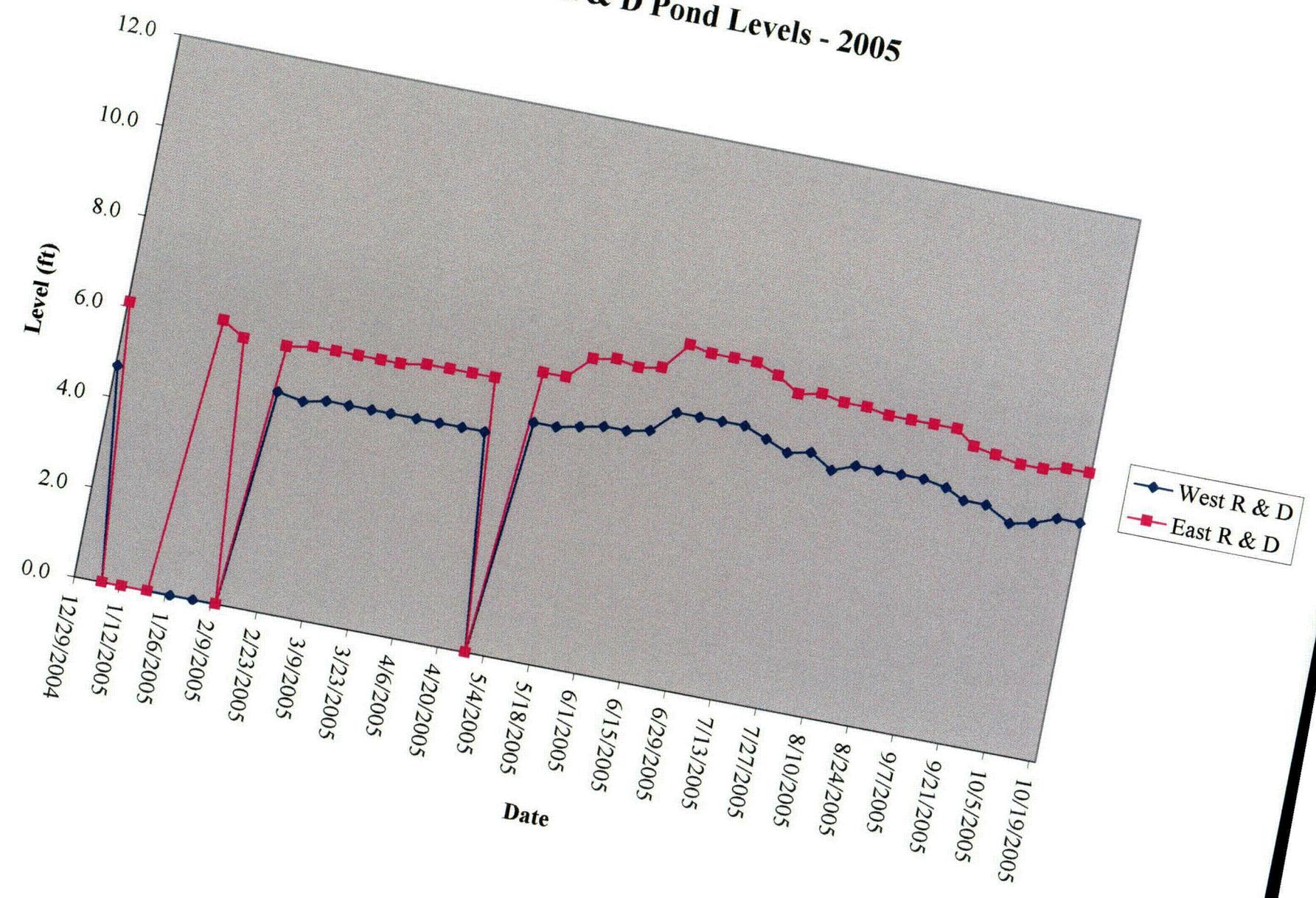


CHART 4

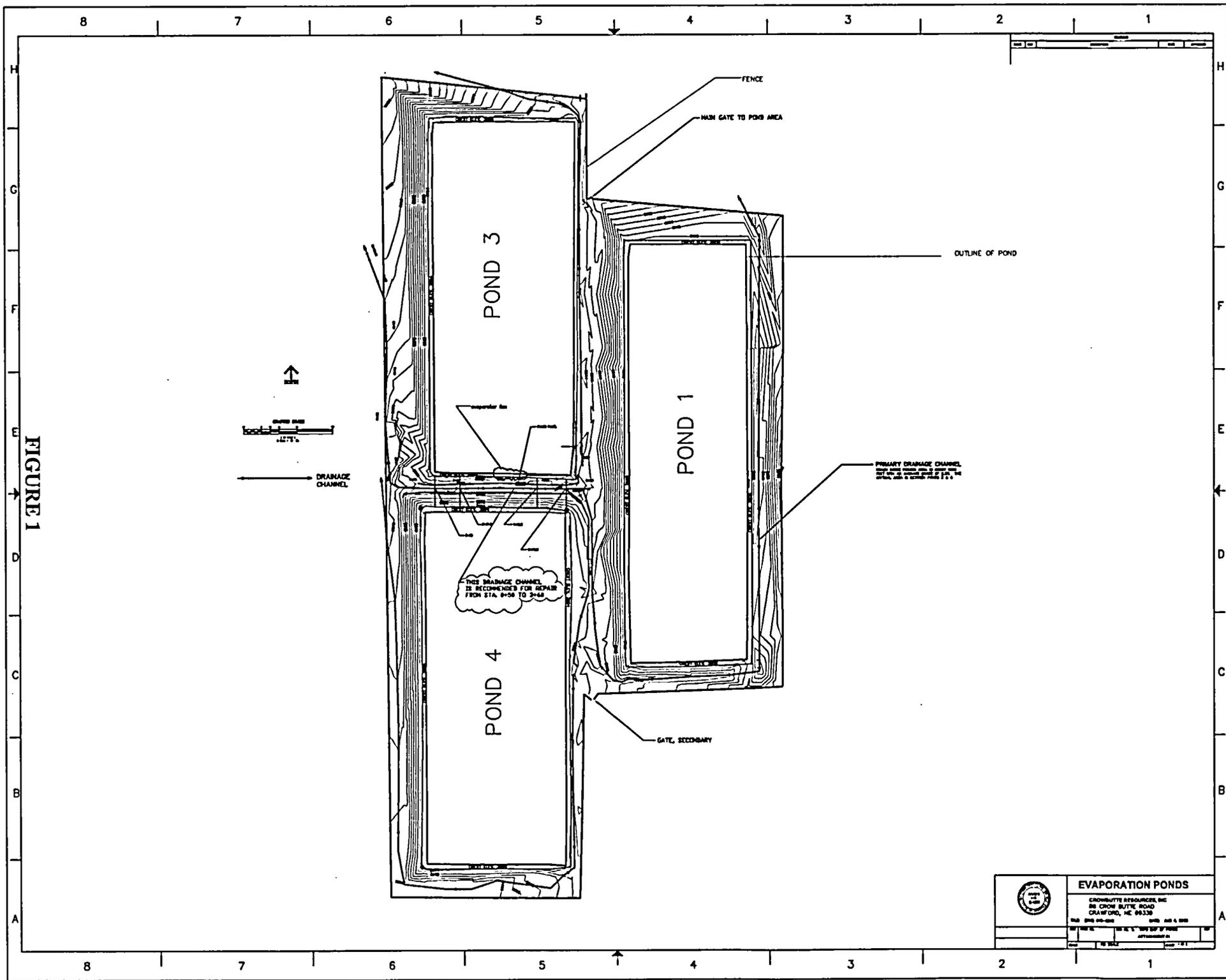


FIGURE 1

	<b>EVAPORATION PONDS</b>	
	CROWBUTTE ENGINEERS, INC. 88 CROW BUTTE ROAD CRAWFORD, NE 68338 REG. ENG. 04-002      0408 JAN 4 1988	
DATE: 08-11-88 DRAWN BY:	CHECKED BY:	APPPROVED BY:
SCALE: 1" = 100'		SHEET NO. 1 OF 1



## CROW BUTTE RESOURCES, INC

Evaporation Holding Ponds Inspection David V. Coe, P.E.

**October 24, 2005** I made an annual inspection of the ponds and record keeping files at Crow Butte Resources. I arrived at the site at 1:20 p.m. this afternoon. My contact at the mine site was Larry Teahon. I signed in and reviewed the current safety operational plans. I reviewed the daily, weekly and quarterly inspection records that Crow Butte Resources, Inc had maintained during year. The time covered with the reports was January 2005 to October, 2005. I made a visual inspection of the commercial and R & D ponds prior to reviewing the written documentation of daily, weekly and quarterly inspections.

Larry Teahon provided me their files with the pond inspection records. The pond depths have been rather high for the last year. Pond #4 had recently had some liner repair work accomplished. There is a new evaporation and spray system installed in pond #3.

I began reviewing the inspection reports for the first three quarters of 2005 for the commercial ponds and the two R&D ponds. The reports recorded pond depths on a daily & weekly basis. Pond #1 was running about 11' deep. Pond #3 was about 9.5' deep and Pond #4 was about 5.5' deep. Conductivity reading was recorded on a weekly basis. When the area between the pond liner and the bottom side of the leak detection liner exceeded 7" in depth; other actions to be taken with their daily inspections.

During the winter months, there are times when the water depth in the ponds can not be readily determined.

November pond depths did not change significantly during the month. December records indicated Pond #1 depth increased to about 8'-1" in depth. The other ponds remained about the same as the months before.

The R & D ponds had two cells. The water depth in Cell #1 ran about 6'. Cell #2 (East Cell) was running about 5' in depth. The depth of the east cell increased during the spring months to about 7'.

I then checked the quarterly inspection reports for the commercial ponds. Ronda Grantham did the March, 2005 inspection. The October, 2004 and June inspections were completed by Mike Griffin. Larry Teahon performed the October quarterly inspection. All reports noticed the rebar sticking up around the berms of the R & D ponds.

There were weekly conductivity readings of the commercial ponds. Most of the conductivity readings for ponds #3 & #4 were low enough not to warrant remedial actions. There were no pond leaks discovered during the 2005 season. Pond #4 had numerous repairs on the exterior liner. During this inspection there was transfer taking place from pond #1 to pond #4.

June 2nd; the pond depths were: Pond #1 – 11'-8", Pond #3 – 10'-6" and Pond #4 – 5'-6".

Crow Buttes Resources did considerable work on the drainage channel between ponds 3 & 4 this summer. The bottom of the channel was flattened out and the grade was reconstructed to eliminate low spots where water could accumulate. This inspection did not result in any wet areas between ponds 3 & 4. Traffic control measures were implemented along the drainage channel. Top soil was spread on the top surface of the drainage channel. The top soil will enhance the vegetative cover.

The depths for the R & D ponds ranged from 5.0' to 6.5' most of the entire year.

Larry Teahon and I made a physical inspection of the three commercial ponds and the two R & D ponds. Mike was doing a quarterly inspection of the ponds while I was performing the annual inspection of the ponds.

The vegetation around the entire ponds areas was in great shape. There has been no deterioration during the last year. The old sprinkler or aeration systems have been removed from the ponds. New sprinkler evaporation systems have been installed including large directional fans. The new sprinkler system should eliminate the hazards of strong winds blowing the system into the pond liner thus causing damage to the liner. There were tremmie tubes on all the influent lines coming into the ponds. The slopes between pond and ponds 3 & 4 lacks sufficient top soil necessary to establish vegetation similar to the slopes along the west and south sides of ponds 3 & 4.

The depth marks on all the ponds has been lightened up to make pond depth reading a lot easier. Prior to this inspection, the depth marks were difficult to read. This was noted on some of the earlier daily inspection report forms.

I did not observe any seepage areas near the toe of the embankment slopes of all the ponds. The ground moisture on all areas appeared to have good moisture content.

Pond #3 had excellent vegetative cover on the west and north slopes. The water level depth was about 11'.

Pond depth for Pond #1 was 9.8'. Pond depth for Pond #4 was 5.2'.

I did not notice any significant burrow holes along the embankment of the three commercial ponds. I believe the gopher poison helps reduce the problem rodents in the pond area. There had been recent gopher control work accomplished on the commercial pond area.

Larry and I inspected the R & D ponds. The diversion ditch is lined. The ditch had vegetation growing in the invert of the diversion ditch. There was also standing water in the ditch line. There was no seepage at the toe of the slopes on the R & D ponds. The diversion ditch is on the south side of the ponds. The protruding rebar around the top of

the pond berms has been noted in the last three quarterly reports, yet the rebar was still protruding during this inspection. The rebars should be removed if their function is no longer required.

The pond depth for the west cell was 5.3'. The east cell had a water depth of 6.3'.

Samples of the monitoring well reports for wells 1 & 2 and R&D well are shown below:

<u>DATE</u>	<u>Well No.</u>	<u>Alk</u>	<u>Cl</u>	<u>Conductivity</u>	<u>SO4</u>	<u>Na</u>
112/7/04	Com-1	180	2.6	430	12	17
	Com-2	185	4.9	430	14	16
	R&D	160	1.5	390	8.0	17
03/02/05	Com-1	188	4.5	430	11	15
	Com-2	185	3.8	420	13	15
	R&D	165	1.9	390	7	16
06/23/05	Com-1	190	2.2	430	13	15
	Com-2	190	5.2	430	15	14
	R&D	170	1.9	400	8.0	15
09/27/05	Com-1	195	2.7	430	13	16
	Com-2	185	4.4	430	15	16
	R&D	160	1.5	400	9.0	16
02/07/91	Base-1	201	2.90	435	20.43	17.67
02/07/91	Base-2	190	3.47	440	11.33	13.37
01/15/91	Base-R&D	175	1.7	409	10.8	14.5

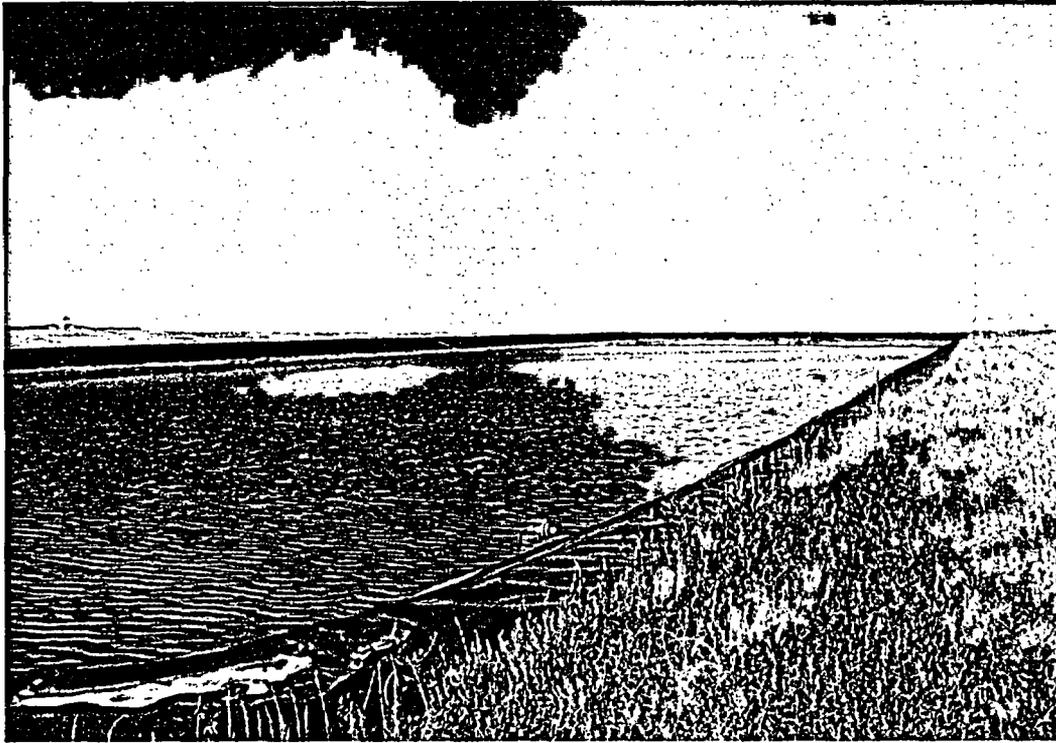
My opinion of the evaporation ponds is they are being administered in a safe and prudent manner. The monitoring for leaks and serious pond erosion is in compliance with the approved monitoring plan. Records of monitoring reports are in being maintained in compliance with the monitoring plan.

I surveyed myself for radioactive residue, signed out and left the site at 16:04 hours.

Photos of my inspection follow on the next five pages of this report.



David V. Coe, PE  
Nebraska Registration # 4295



**Northwest view of evaporation pond #1, date: 10/24/05**



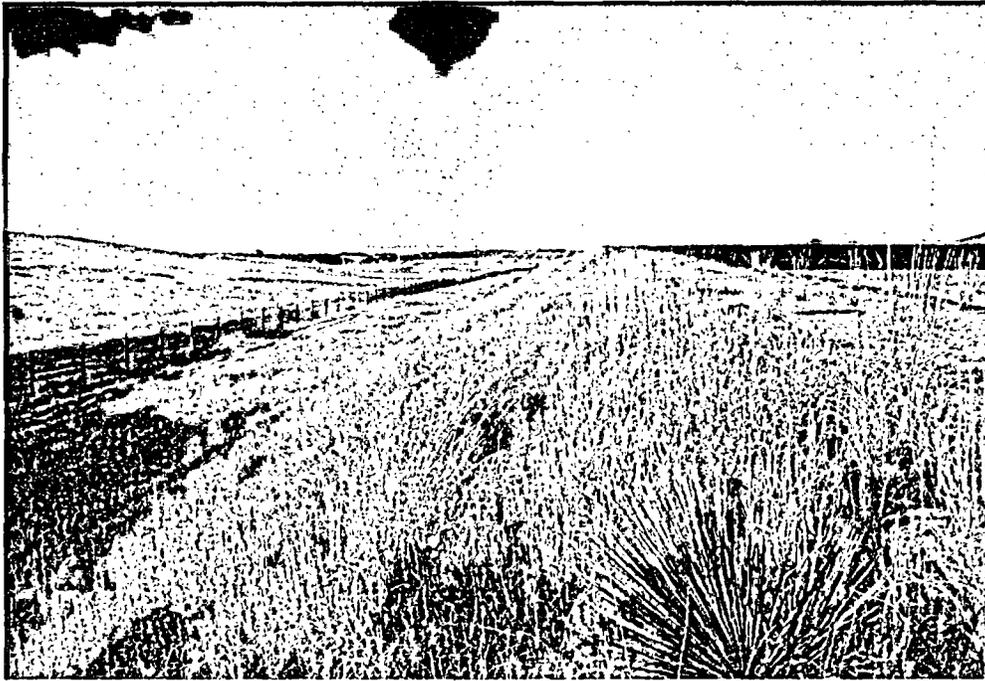
**North view of pond #3. Date: 10/24/05**



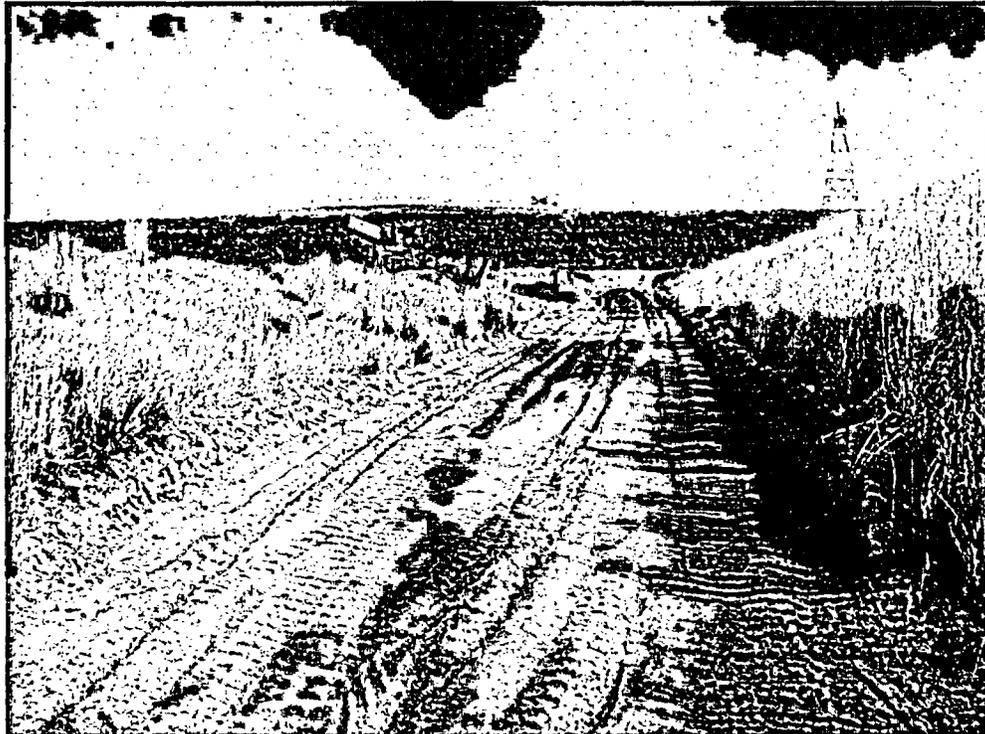
**North view of west embankment of pond #3. Date: 10/24/05**



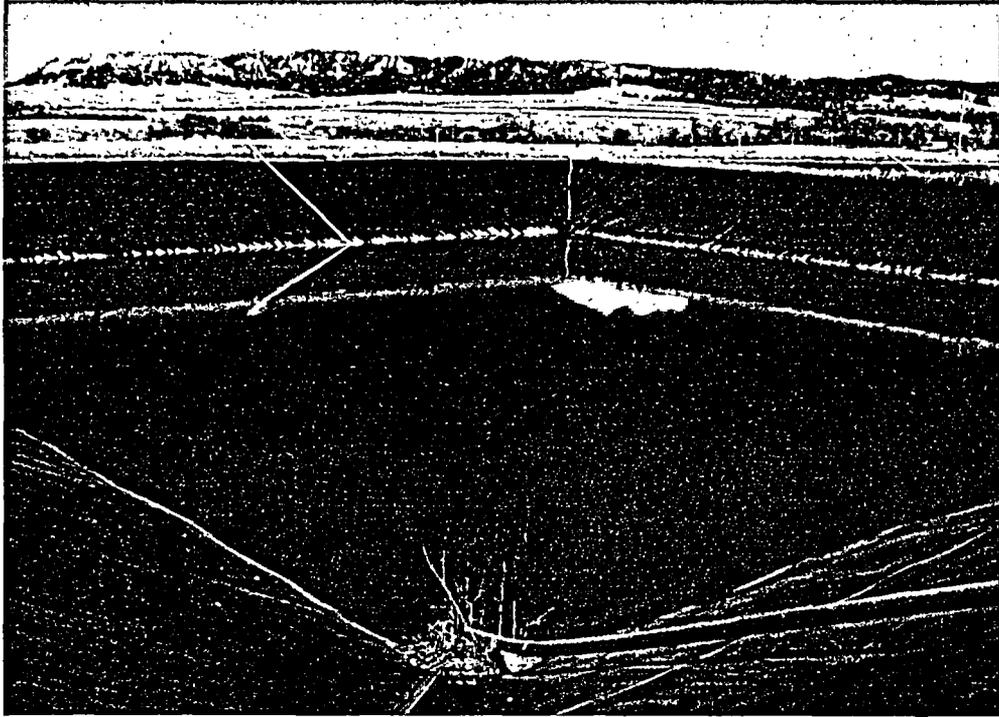
**Northeast view of pond #4. Date: 10/24/05**



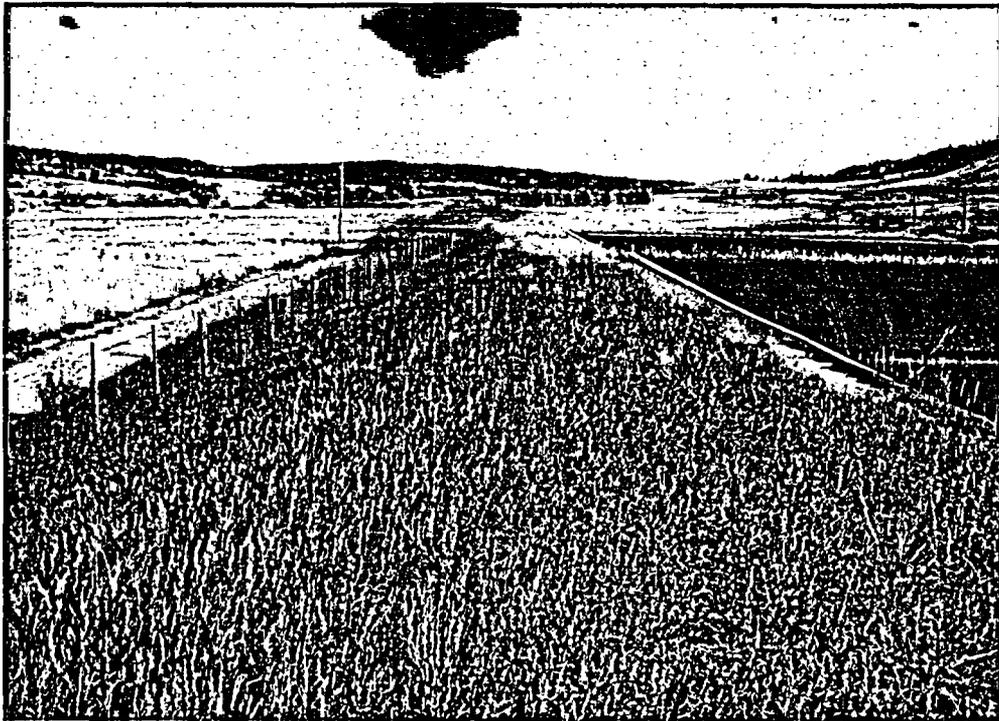
**West embankment of Pond #4, dated: 10/24/05**



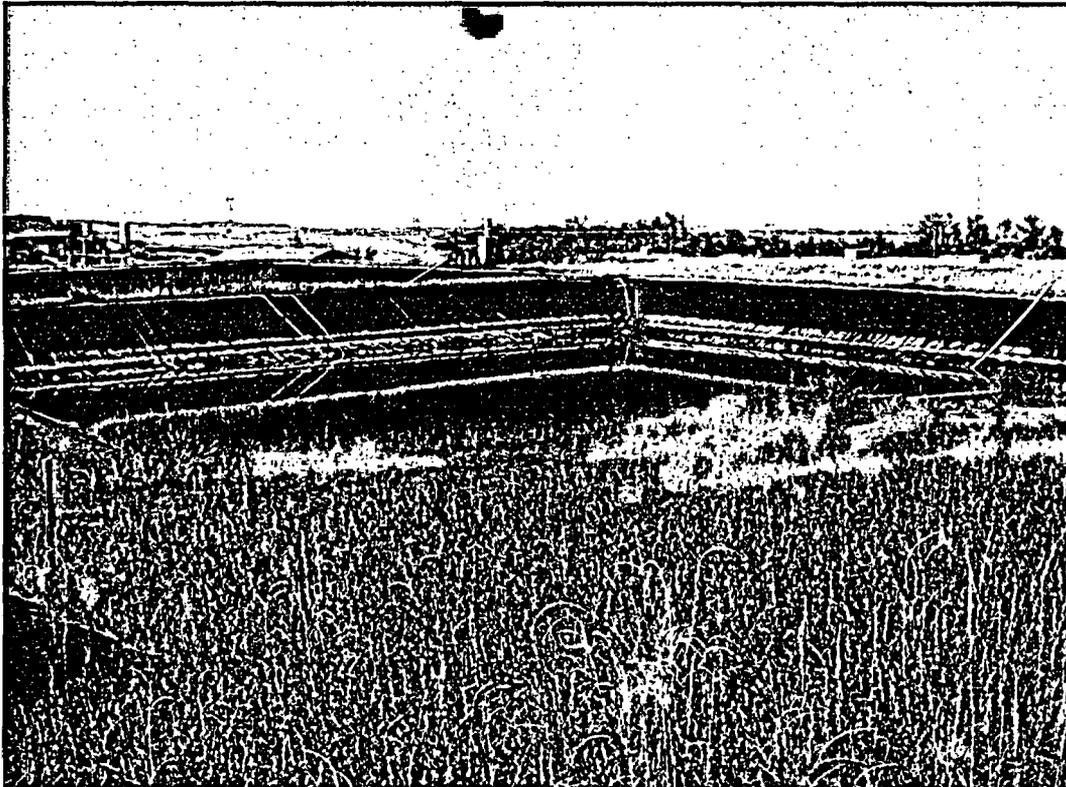
**Channel improvement between ponds #3 & #4. No damp or wet areas noticed this year.  
Date: 10/24/05**



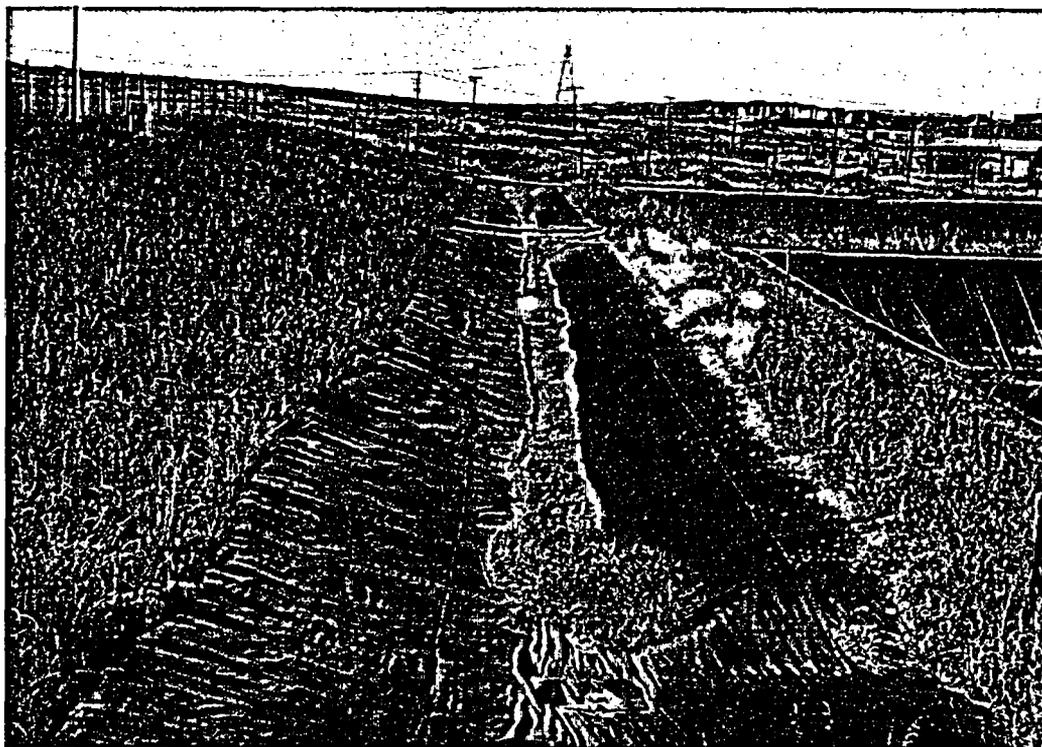
**Southeast view of Cell #1 (west) of R & D Ponds. 10/24/05**



**East view of north embankment of R&D ponds. Excellent vegetative cover.  
Date: 10/24/05**



**Northwest view of Cell #2 (East): Date: 10/24/05**



**View of diversion ditch on the south side of the R & D ponds  
Photo taken 10/24/05**

CROW BUTTE RESOURCES, INC.  
 RANGE ONE  
 CROSS SECTIONS FOR PONDS  
 STATION 0+00  
 October 26, 2005

LEFT OF BASELINE	SEA LEVEL ELEVATION	DESCRIPTION	SHOT TAKEN ON
0.00	3851.74	0+00 B.L.	REBAR&CAP
89.01	3850.98	FENCE	GROUND
118.06	3852.60	GROUND	HUB
131.79	3854.28	TOE OF SLOPE	TOE
162.67	3866.90	MIDPOINT SLOPE/DIRT	GROUND
195.62	3879.92	OUTSIDE OF BERM	GROUND
356.74	3880.80	MIDPOINT POND ON BERM	REBAR GONE
532.74	3880.86	OUTSIDE EDGE BERM	GROUND
538.15	3878.90	"V" OF DITCH	GROUND
548.49	3883.07	TOP OF SLOPE	GROUND
554.34	3883.90	FENCE	GROUND
564.04	3884.26	WEST EDGE OF ROAD	GROUND
576.24	3884.34	EAST EDGE OF ROAD	GROUND
585.12	3882.80	"V" OF DITCH	GROUND
594.09	3884.36	TOP OF DITCH	GROUND
639.66	3888.48	0+00 E.B.	REBAR&CAP

Note: Elevations taken with a Topcon Total Station, with my estimated accuracy of .10 of a foot.

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Alan M. Curd, LS-519

CROW BUTTE RESOURCES, INC.  
RANGE TWO  
CROSS SECTIONS FOR PONDS  
STATION 5+00  
October 26, 2005

LEFT OF BASELINE	SEA LEVEL ELEVATION	DESCRIPTION	SHOT TAKEN ON
0.00	3862.15	5+00 B.L.	REBAR&CAP
92.39	3860.89	FENCE	GROUND
144.06	3862.28	HUB	HUB
150.39	3862.80	TOE OF SLOPE	GROUND
173.09	3871.11	MIDPOINT OF SLOPE	GROUND
194.49	3880.61	OUTSIDE EDGE BERM/DIRT	GROUND
205.14	3881.44	INSIDE EDGE BERM/LINER	LINER
522.27	3880.61	INSIDE EDGE BERM/LINER	LINER
528.01	3880.42	OUTSIDE EDGE BERM/REBAR	REBAR
537.39	3878.66	"V" OF DITCH	GROUND
563.02	3882.76	WEST EDGE OF ROAD	GROUND
577.29	3883.11	EAST EDGE ROAD	GROUND
608.79	3894.11	MIDPOINT OF SLOPE	GROUND
634.34	3904.68	OUTSIDE EDGE BERM	GROUND
636.79	3904.98	PREV. OUTSIDE EDGE BERM	REBAR
646.29	3905.23	INSIDE EDGE BERM	LINER
907.09	3905.11	EDGE BERM	LINER
909.84	3905.16	INSIDE EDGE BERM	LINER
915.36	3904.98	CENTER OF BERM	REBAR
918.79	3905.01	OUTSIDE EDGE BERM	GROUND
934.09	3899.99	W. EDGE FLAT BOTTOM DITCH	GROUND
945.09	3899.90	E. EDGE FLAT BOTTOM DITCH	GROUND
970.09	3908.66	TOE OF SLOPE	GROUND
993.19	3910.01	FENCE	GROUND
998.89	3910.70	TOP OF SLOPE	GROUND
1007.09	3914.14	W. EDGE OF ROAD	GROUND
1019.39	3914.84	E. EDGE OF ROAD	GROUND
1022.29	3916.06	E. TOE OF SLOPE	GROUND
1033.64	3919.56	MIDPOINT OF SLOPE	GROUND
1076.79	3928.96	TOP OF SLOPE	GROUND
1094.54	3929.44	5+00 E.B.	REBAR&CAP

CROW BUTTE RESOURCES, INC.  
RANGE THREE  
CROSS SECTIONS FOR PONDS  
STATION 10+00  
October 26, 2005

LEFT OF BASELINE	SEA LEVEL ELEVATION	DESCRIPTION	SHOT TAKEN ON
0.00	3874.29	10+00 B.L.	REBAR&CAP
96.72	3868.68	FENCE	GROUND
122.12	3870.18	TOE OF SLOPE	HUB
148.02	3879.40	MIDPOINT SLOPE	GROUND
174.32	3890.02	OUTSIDE EDGE BERM	REBAR GONE
186.02	3890.77	INSIDE EDGE BERM	LINER
500.47	3890.78	INSIDE EDGE BERM	LINER
509.95	3889.71	OUTSIDE EDGE BERM	REBAR
537.22	3887.92	WEST EDGE ROAD	GROUND
545.42	3888.30	EAST EDGE ROAD	GROUND
553.12	3886.96	W. EDGE FLAT BOTTOM DITCH	GROUND
560.87	3886.98	E. EDGE FLAT BOTTOM DITCH	GROUND
570.22	3889.61	TOP OF DITCH	GROUND
598.92	3890.74	TOE OF SLOPE	HUB damaged
617.37	3897.85	MIDPOINT OF SLOPE	GROUND
634.62	3904.9	OUTSIDE EDGE BERM	REBAR
644.27	3905.34	INSIDE EDGE BERM	LINER
908.82	3904.95	INSIDE EDGE BERM	LINER
918.87	3904.86	OUTSIDE EDGE BERM	REBAR
931.92	3900.43	W. EDGE FLT. BTM. DITCH/TRAIL	GROUND
942.82	3900.35	E. EDGE FLT. BTM. DITCH/TRAIL	GROUND
974.72	3910.56	TOP OF DITCH	GROUND
989.62	3911.85	FENCE	GROUND
1014.37	3914.83	TOP OF DITCH	GROUND
1020.27	3913.32	"V" OF DITCH	GROUND
1024.82	3915.10	TOP OF DITCH	GROUND
1038.92	3917.76	MIDPOINT OF SLOPE	GROUND
1067.72	3920.5	TOP OF SLOPE	GROUND
1086.92	3919.9	LOW POINT	GROUND
1148.47	3924.78	10+00 E.B.	REBAR&CAP

CROW BUTTE RESOURCES, INC.  
 RANGE FOUR  
 CROSS SECTIONS FOR PONDS  
 STATION 15+00  
 October 26, 2005

LEFT OF BASELINE	SEA LEVEL ELEVATION	DESCRIPTION	SHOT TAKEN ON
0.00	3883.67	15+00 B.L.	REBAR&CAP
99.47	3875.54	FENCE	GROUND
136.54	3876.11	TOE OF SLOPE	HUB
155.82	3883.61	MIDPOINT OF SLOPE	GROUND
172.82	3890.16	OUTSIDE EDGE BERM	GROUND
185.82	3891.09	INSIDE EDGE BERM	LINER
499.12	3890.93	INSIDE EDGE BERM	LINER
508.62	3891.12	OUTSIDE EDGE BERM	GROUND
514.72	3889.54	"V" OF DITCH	GROUND
524.02	3892.27	TOP OF DITCH	GROUND
535.92	3892.54	FENCE	GROUND
554.02	3893.04	TOE OF SLOPE	GROUND
558.92	3894.64	TOP OF SLOPE	GROUND
696.82	3903.69	HIGH POINT	GROUND
789.82	3904.97	LOW POINT	GROUND
985.36	3915.04	15+00 E.B.	REBAR&CAP