

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

cps 1990w

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 160' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 340', 305', 295', 285', 275', 265', 255', 240', 225', 200'

Depths vent pipes placed: 360'

Vent pipe perforations: 260'

Remarks: gb #1 OIL CON DIV 1

RECEIVED

~~MAY 31 1991.~~

~~COIL CON. DIV.~~
DIS 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODE PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto)

Completion Date 9-1-88

CPS	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1990W	McDermitt #1-M	53969A	600N = .918	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
EB-31-12	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling & Time	Total Lbs. Crk. Used	Lost Circulation Mat. Used
360'	360'			
Anode Depth				
#1 340	#2 305	#3 295	#4 285	#5 275
#6 265	#7 255	#8 240	#9 225	#10 200
Anode Output (Amps)				
#1 2.5	#2 3.8	#3 4.1	#4 4.1	#5 4.4
#6 4.4	#7 5.8	#8 5.6	#9 4.2	#10 4.2
Anode Depth				
#1 170	#2	#3	#4	#5
#6	#7	#8	#9	#10
Anode Output (Amps)				
#1 4.5	#2	#3	#4	#5
#6	#7	#8	#9	#10
Total Output Resistance				
Volts 11.80	Amps 22.4	Ohms 52		
Total Lbs. C.P. Cable Used				

Remarks: Static Water at 140'; water sample taken.
Installed 360' of 1" PVC vent pipe bottom 260' perforated.
#1 anode sandbed in.

GB 4074.00
 Rectifier Size: 40 V 16 A 669.00
 Addn'l Depth: 140' @ 3.60 - 490.00 ✓
 Extra Cable: 200' @ .24 48.00 ✓
 Ditch & 1 Cable: 180' @ .70 126.00 ✓

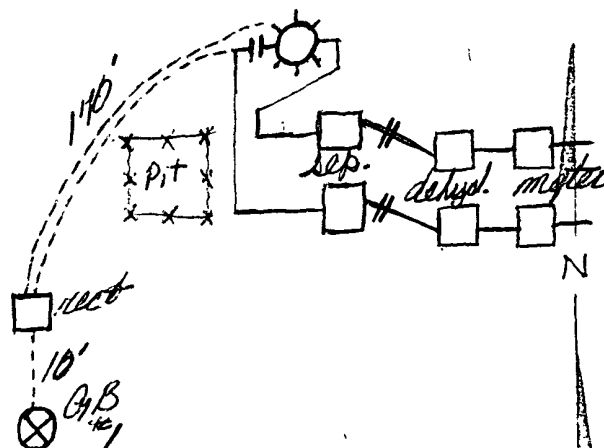
25' Meter Pole: _____
 20' Meter Pole: 1 @ 297.00 297.00 ✓
 10' Stub Pole: _____
 Junction Box: 1 @ 225.00 225.00 ✓

4949.00 ✓
247.45 ✓
5196.45 OK 95

5881

All Construction Completed

Calvin Prochman
 (signature)



CPS # 1990W

D. CRASS DRILLING CO.Drill No. 3

DRILLER'S WELL LOG

S. P. No. McDermitt #1 mine Date 9-1-88
Client Meridian Oil Co. Prospect _____
County SAN JUAN State New Mex

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	20	SAND
20	190	Shale
190	220	Sandy Shale
220	360	Shale

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 160'Driller Ronnie Brown

WELL TYPE GROUND BED DATA

SHEET NO. _____

CPS # 1990W

COMPANY: _____ JOB No. 13124 DATE: 9-1-88
 WELL: McDermitt 1-M PIPELINE: _____
 LOCATION: SEC. 6 TWP. 31 RGE. 12 CO. SAN JOAN STATE N.Mex
 ELEV. _____ FT. ROTARY 360 FT. CABLE TOOL 0 FT. CASING 0 FT.
 GROUND BED: DEPTH 360 FT. DIA. 6 3/4 IN. GAS _____ LBS. ANODES 11 2260 Type

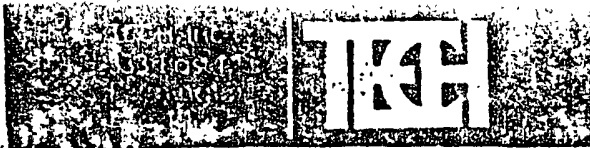
DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I		
50	FRESH WATER 160							
55								
60								
65								
70								
75								
80								
85								
90								
95								
100								
5								
10								
15								
20								
25								
30								
35								
40								
45								
50					2.0			
55					1.8			
60					1.8			
65					2.0			
70					2.6	3.0	4.5	170
75					2.6			
80					2.5			
85					2.4			
90					1.5			
95					1.9			
200					2.4	2.5	4.2	200
5					2.4			
10					2.0			
15					2.0			
20					2.0			
25					2.8	2.8	4.2	225
30					2.7			
35					2.5			
40					2.6	3.2	5.6	240
45					2.4			
50					2.4			
55					2.5	2.8	5.8	250

GROUND BED RESISTANCE: (1) VOLTS 11.80 - AMPS 22.4 - OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY



1990W

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1	Date Sampled 9/11/88	
Field	Legal Description E6-31-12	County or Parish		State
Lease or Unit Mc Dermott	Well # 1-	Depth 160'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By C.R.

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	646	28.2
Calcium, Ca	32	1.6
Magnesium, Mg	10	0.8
Barium, Ba		

OTHER PROPERTIES

pH	7.22
Specific Gravity, 60/60 F.	1.002
Resistivity (ohm-meters)	72°F. 3.55

Total Dissolved Solids (calc.)

2930

ANIONS

Chloride, Cl	426	12.0
Sulfate, SO ₄	810	16.9
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	102	1.7

Iron, Fe (total)

Sulfide, as H₂S

neg

REMARKS & RECOMMENDATIONS:

