

1A-30-04S-21661

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

Operator MERIDIAN OIL Location: Unit NW Sec. 23 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL L #1A

cps 1090w

Elevation 6148' Completion Date 6/6/77 Total Depth 540' Land Type* N/A

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. 30'-50'

Depths gas encountered: N/A

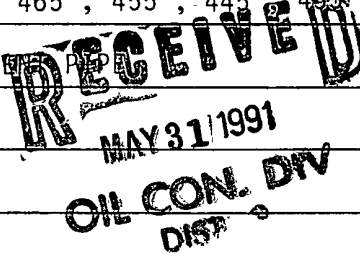
Type & amount of coke breeze used: 68 SACKS

Depths anodes placed: 510', 500', 485', 475', 465', 455', 445', 435', 400', 390'

Depths vent pipes placed: 520' OF 1" PVC VENT PIPE

Vent pipe perforations: 320'

Remarks: gb #1



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
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 6-6-77

Well Name <u>Howell L #1A</u>		Location <u>NW 23-30-8</u>		CPS No. <u>1090W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57008</u>	
Anode Hole Depth <u>Logged</u> <u>540' - 530'</u>		Total Drilling Rig Time		Total Lbs. Coke Used	
Anode Depth		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
# 1 <u>510'</u>	# 2 <u>500'</u>	# 3 <u>485'</u>	# 4 <u>475'</u>	# 5 <u>465'</u>	# 6 <u>455'</u>
# 7 <u>445'</u>	# 8 <u>435'</u>	# 9 <u>400'</u>	# 10 <u>390'</u>		
Anode Output (Amps)		No. Sacks Mud Used			
# 1 <u>1.9</u>	# 2 <u>1.8</u>	# 3 <u>1.9</u>	# 4 <u>2.5</u>	# 5 <u>3.6</u>	# 6 <u>3.0</u>
# 7 <u>2.1</u>	# 8 <u>2.3</u>	# 9 <u>2.5</u>	# 10 <u>2.8</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts <u>11.95</u>		Amps <u>11.2A</u>		Ohms <u>1.07</u>	

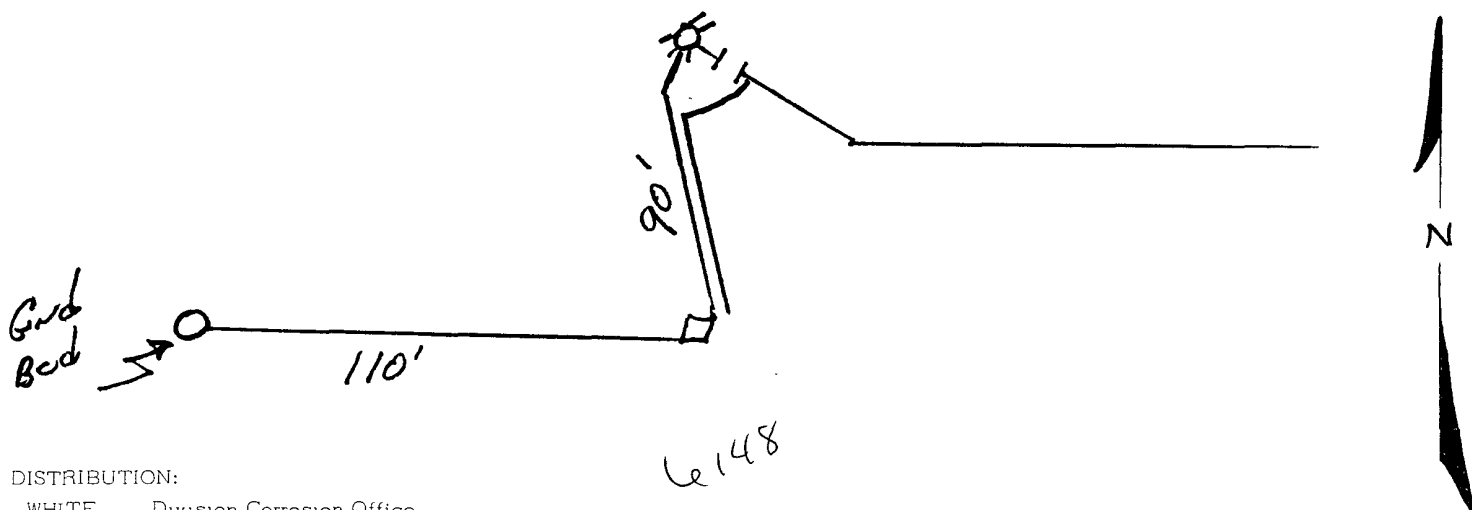
Remarks: DRILLER SAID WATER @ 30 TO 50'. PERFORATED 320' OF 1" PVC VENT PIPE
INSTALLED 520' OF 1" PVC PIPE. SLURRIED 68 SACKS OF COKE
LOGGED HOLE @ 360'. WENT BACK IN HOLE & DRILLED TO
540'

STATIC: 0.76

All Construction Completed

W. L. Lutz
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

WHITE - Division Corrosion Office
 YELLOW - Area Corrosion Office
 PINK - Originator File

1977

SIGNED: Toolpusher _____ Company Supervisor _____

Howland L#1

109

1090W

DRILLER SAID MAKING WELL

3 3/4" to 5 1/2"

Perforated 330' and 1' PVC well

MW	gal/mol
16	C ₁ 6.4
30	C ₂ 9.7
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 13.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₆ 15.57
142	IC ₇ 17.4
156	C ₇ 17.46
170	IC ₈ 19.38
184	C ₈ 19.44
198	IC ₉ 21.3
212	C ₉ 21.37

MISC		
MW		210/mo
44	CO ₂	6.53
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	1.18

1.00	30	30	1.5 (5)	
10	30	20	1.4	
			1.4 (7)	
	30	50	1.7	
			1.9 (6)	
	30	60	2.0	
			1.9 (5)	
10	30	70	1.5	
			1.3 (2)	
50	30	80	1.1	
			1.3 (3)	
30	20	90	1.1	
			1.1	
10	20	500	1.2 (2)	① 570-1.2-1.9
			1.2	② 570-1.2-1.8
30	10	10	1.3 (1)	③ 475-1.2-1.8
			1.3	④ 475-1.2-2.5
20	50	20	1.2	⑤ 465-1.8-3.6
			1.2	⑥ 475-1.2-2.0
100	30	30	1.5	⑦ 445-1.1-2.1
			1.5	⑧ 435-1.1-2.3
10	30	40	1.5	⑨ 400-1.4-2.5
			1.5	⑩ 390-1.4-2.5
20	30	1.2		
			1.2	
30	30	1.3 (10)		
			1.5	
10	100	1.2 (9)		
			1.1	
30	30	1.0		
			1.0	
	30	1.0		
			1.0	

11.95 ✓ 1.2 4 1.07 ~