

1A= 30-045-21729
302= 30-045-26931

3493

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

Operator MERIDIAN OIL INC. Location: Unit SE Sec. 8 Twp 30 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL A #1A, #302

cps 2007w

Elevation 6399' Completion Date 5/27/77 Total Depth 700' 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. 185'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 650', 640', 630', 620', 610', 600', 590', 555', 460', 450'

Depths vent pipes placed: 650'

Vent pipe perforations: 240'

Remarks: gb #1

RECEIVED

MAY 31 1991

OIL CON. DIV.
DIST.

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

H. J. P. Jr.

Drilling Log (Attach Hereto). ☐

Completion Date **5-27-77**

Well Name Howell A #1A		Location SE 8-30-8		CPS No. 10-77W 2007	
Type & Size Bit Used 6 3/4"				Work Order No. 57025	
Anode Hole Depth (Logged) 700 (677)	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 650	# 2 640	# 3 630	# 4 620	# 5 610	# 6 600
# 7 590	# 8 555	# 9 460	# 10 450		
Anode Output (Amps)					
# 1 3.1	# 2 3.2	# 3 2.9	# 4 2.8	# 5 2.8	# 6 2.2
# 7 1.6	# 8 1.6	# 9 2.2	# 10 2.1		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts 11.2	Amps 14.0	Ohms 0.80 ~			

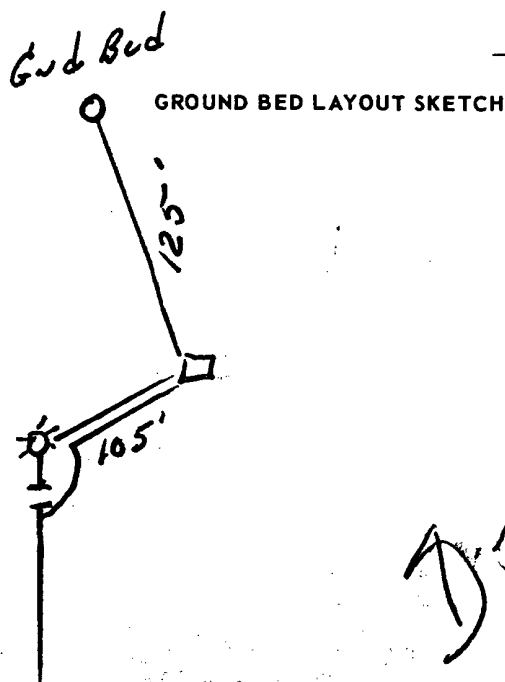
Remarks: **DRILLER SAID DAMP @ 185. DRILLED WITH AIR TO 700' DID NOT INJ. WITH WATER. FILLED HOLE WITH WATER TO 180'. LOGGED. PERFORATED 240' OF 1" PVC PIPE. INSTALLED 650' OF VENT PIPE.**

STATIC = 600' S = .84

Rectifier & Rectifier Pole needs to be set

All Construction Completed

W. Z. Lott
(Signature)



DRY HOLE

DISTRIBUTION:

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

4-399

Howell # 1A

1077W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.16
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	NC ₆ 15.57
142	IC ₇ 17.2
156	NC ₇ 17.46
170	IC ₈ 19.38
184	NC ₈ 19.64
198	IC ₉ 21.57

MW	MSC	gas/mol
44	CO ₂	6.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	1.18

DRILLER SAID wet @ 185
DRILLED 700' did not inj.
Hole was DRY. Filled Hole with
water to 180 logged
PERFORATED 240' of 1" PVC vent Pipe

100		50	.5	400	1.7	550	1.1		
			.4		1.5	x	1.1		
10		60	.4	10	.9	60	1.1		
			.5		.6		.8		
20		70	.5	20	1.0	70	.6		
			.4		1.7		.3		
30		80	.5	30	1.8	80	.4		
			.8		1.8		1.1		
40		90	1.4	40	1.9	x 90	1.9		
			1.7		1.8		1.9		
50		300	1.5	x 50	1.9	x 600	2.2	①	650-2.6-3.1
			1.3		1.9		2.2	②	640-2.9-3.2
60		10	.8	x 60	1.5	x 10	2.4	③	630-2.2 2.9
			.5		1.0		2.3	④	620-2.6 2.8
70		20	.5	70	.5	x 20	2.3	⑤	610-2.5 2.8
			.7		.3		2.1	⑥	600-1.90 2.2
80	.5	30	.7	80	.3	x 30	2.2	⑦	590-1.10 1.6
	.6		.7		.5		2.3	⑧	555-1.1 1.6
90	.5	40	.6	90	.6	x 40	2.7	⑨	460-1.8 2.2
	.4		1.4		.5		2.7	⑩	450-1.9 2.1
200	.4	50	1.9	500	.6	x 50	2.6		11.2 V 14 A
	.5		2.1		.6		1.9		
10	1.2	60	1.6	10	.7	60	1.8		0.8 OHMS
	1.3		.7		.6		1.6		
20	.9	70	.5	20	.6	70	1.3		
	.5		.6		.6		1.3		
30	.3	80	.6	30	.7	80	.77 + 0		
	.3		.7		.8				
40	.3	90	1.2	40	.8	90			
	.4		1.7		.7				
						700			

- ① 650 - 2.6 - 3.1
- ② 640 - 2.9 - 3.2
- ③ 630 - 2.2 - 2.9
- ④ 620 - 2.6 - 2.8
- ⑤ 610 - 2.5 - 2.8
- ⑥ 600 - 1.90 - 2.2
- ⑦ 590 - 1.10 - 1.6
- ⑧ 555 - 1.1 - 1.6
- ⑨ 460 - 1.8 - 2.2
- ⑩ 450 - 1.9 - 2.1

11.2 V 14 A

0.8 OHMS

