

1A- 30-045-21776
350- 30-045-26921

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. 28 Twp 31 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL D #1A, #350

cps 995w

Elevation 6520' Completion Date 7/28/76 Total Depth 549' 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. 340'

Depths gas encountered: N/A

Type & amount of coke breeze used: 64 SACKS

Depths anodes placed: 495', 485', 475', 465', 455', 445', 415', 370', 360', 350'

Depths vent pipes placed: N/A

Vent pipe perforations: 325'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 2

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

995W
Completion Date 7-28-76

Drilling Log (Attach Hereto). ☐

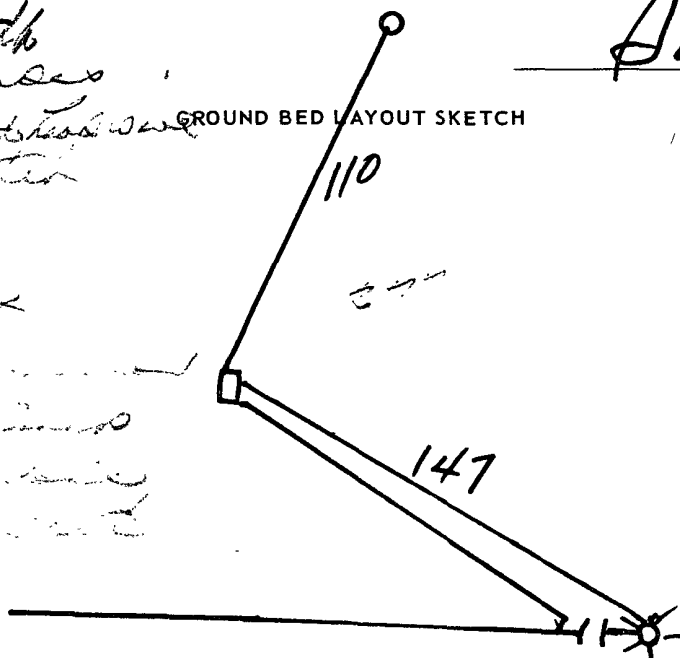
Well Name Howell D #1A		Location NW 28-31-8		CPS No. 995W	
Type & Size Bit Used 6 3/4				Work Order No. 57041	
Anode Hole Depth 409 549		Total Drilling Rig Time 64		Total Lbs. Coke Used 64	
Lost Circulation Mat'l Used		No. Sacks Mud Used			
Anode Depth	# 1	# 2	# 3	# 4	# 5
	495	485	475	465	455
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	2.3	2.5	3.0	3.7	3.3
Anode Depth	# 6	# 7	# 8	# 9	# 10
	445	415	370	360	350
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.2	1.9	2.0	2.5	3.0
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 12.0		Amps 11.5		Ohms 1.02
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

Remarks: **Drill to 460 with air. Got Logging Anode to 340' Next A.M. - Anode was Muddy when Retrieved Ran Pipe Back & Start injection & Drilled to 560' Fill with water to 340' & Log to 549' Vent Perforated 325' Slurry 64 Sacks Coke**

2248.50
1955.20 Depth
170.00 Anodes
229.57 ~~at bottom~~
00.46 ~~Depth~~

3669.75
146.79 rx
582.54
213.40 ~~min~~
384.00 ~~min~~
194.50 ~~min~~
4208.44

GROUND BED LAYOUT SKETCH



All Construction Completed.

Sorels
(Signature)

6500

[illegible]

SIGNED: Toolpusher _____ (company supervisor)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____

Date: _____

By: _____

File: _____

495
321
17

MW		gals/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

995W

50		525	.6	Drill to 460 with air -
10		30	.4	Drill Pipe Nct at 340
20		40	.3	Boot at 340 Next A.M.
30		50		Log Above Muddy -
40		60		Run Drill Pipe Back
50	1.0			Drill to 560 with air
60	1.6			Fill to 340 & Log to 549
70	1.5			
80	1.4			
90	1.4			
100	1.1			
110	.8			
120	.5			
130	.4			
140	.4			
150	.6			
160	.8			
170	.8			
180	.8			
190	1.1			
200	.8			
210	.6			
220	.6			
230	.6			
240	.7			
250	1.0			
260	1.3			
270	1.4			
280	1.7			
290	1.7			
300	1.5			
310	1.6			
320	1.7			
330	1.4			
340	1.3			
350	1.3			
360	.9			
370	.8			
380	.6			
390	.6			
400	.6			

549TD

Vent Perf. 325

64 Coke

1	495	1.6	2.3
2	495	1.7	2.5
3	475	1.7	3.0
4	465	2.2	3.7
5	455	1.9	3.3
6	445	5	2.2
7	435	13	1.9
8	370	15	2.0
9	360	19	2.5
10	350	2.2	3.0

115 120V 115A = 1.37 n