

43

4A-30-045-21769

E

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

Operator MERIDIAN OIL Location: Unit SE Sec 33 Twp 31 Rng 8

Name of Well/Wells or Pipeline Serviced HOWELL D #4A

cps 1001w

Elevation 6253' Completion Date 8/2/76 Total Depth 320' 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. 60'

Depths gas encountered: N/A

Type & amount of coke breeze used: 36 SACKS

Depths anodes placed: 280', 270', 260', 245', 235', 195', 185', 170', 160', 15'

Depths vent pipes placed: N/A

Vent pipe perforations: 220'

Remarks: (gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 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
C/ODIC PROTECTION CONSTRUCTION R DRT
DAILY LOG

Drilling Log (Attach Hereto). ☐Completion Date 8-2-76

Well Name <u>Howell D#4A</u>		Location <u>SE 33-31-8</u>		CPS No. <u>1001</u>																																																																																																																								
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57044</u>																																																																																																																								
Anode Hole Depth <u>699 320</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>36</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used																																																																																																																								
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Remarks: Driller said Blew out at 60' Start Water injection
Drill to 320'. Water Next A.M. at 300' - Could Hear Water
Falling - Driller said Water Coming From 60'
Fill to 60' & Log to 320'
Vent Perforated 220'
Slurry 36 Coke

All Construction Completed

Danels
(Signature)

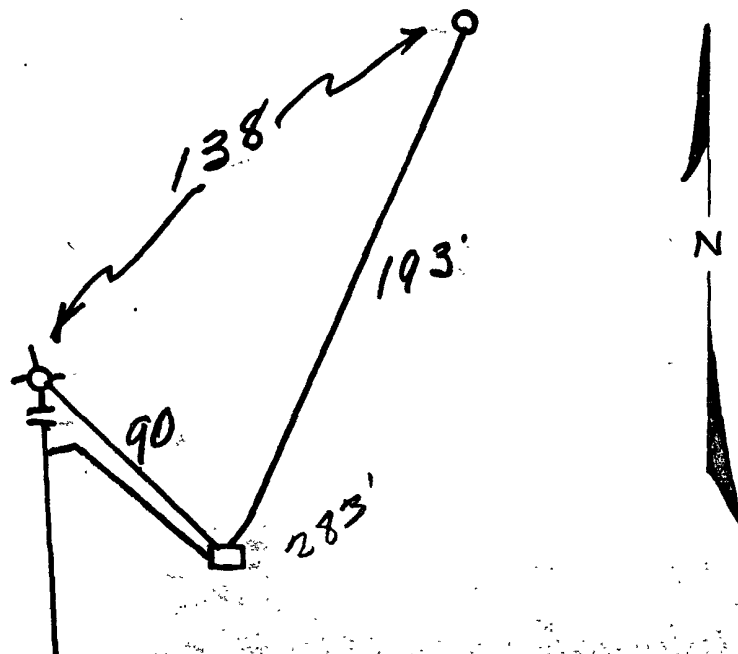
GROUND BED LAYOUT SKETCH

2248.50
(90 00) credit
77.82 cable
120.00 anode
94.60 line wire

2500.92
100.04 Tow

2600.96
213.40 Ineff
336.00 coke
194.50 Rod

3344.86



e 253'

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: _____ of _____
Date: _____
By: _____
File: _____

Howell D 4A 1001W

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		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

60	4	85	1.0	Driller said Blew water out at 60' - Starting. Drill to 320 Water Next AM at 300' Could Hear Water
70	2	90	.8	
	6	300	.6	
80	3		.6	
	.2	10	.6	Falling - Driller said Coming From 60' Fill to 60 & Log
90	3		.6	
	.6	20		
100	5	30		
	.6			Vent Perf 220 36 coke
10	4			
	.3	40		
20	2			
	.2	50		
30	2			
	.4	60		
40	3			
	.4			
50	1.5			
	1.9			
60	2.0			
	2.0			
70	1.4			
	1.0			
80	.7			
	1.3			
90	1.6			
	1.3			
200	.6			
	.4			
10	.4			
	.4			
20	.4			
	.6			
30	.8			
	1.4			
40	1.8			
	1.5			
50	.9			
	.6			
60	1.0			
	1.8			
70	2.0			
	1.8			
80	1.4			

$$\begin{array}{r}
 92 \\
 132 \overline{) 12.20} \\
 \underline{1188} \\
 320 \\
 \underline{264} \\
 56
 \end{array}
 \quad 13.2A = 0.92$$