

#70 30-45-05975
#230 30-045-20910

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. 8 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #70, #230

cps 954w

Elevation 6563' Completion Date 8/28/75 Total Depth 275' 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. 35' & 100'

RECEIVED
MAY 31 1991

Depths gas encountered: N/A

Type & amount of coke breeze used: 2500 lbs.

OIL CON.
DIST. 3

Depths anodes placed: 205', 195', 185', 175', 165', 155', 145', 135', 125', 115'

Depths vent pipes placed: N/A

Vent pipe perforations: 175'

Remarks: Cqb #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

[Handwritten signature]

Drilling Log (Attach Hereto). ☐

Completion Date 8-28-73

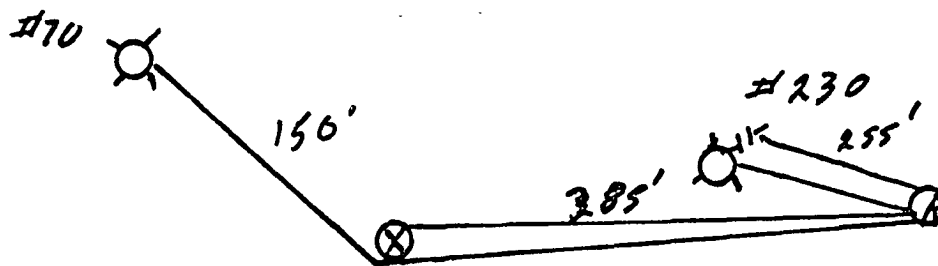
Well Name: <u>Huerfano 230</u> <u>Huerfano 20</u>		Location: <u>NW 8 - 26N - 10W</u>		CPS No. <u>954W</u>	
Type & Size Bit Used: <u>6 3/4"</u>				Work Order: <u>55230.19-50-2-C</u> <u>53075.19-50-2-C</u>	
Anode Hole Depth: <u>275</u>	Total Drilling Rig Time	Total Lbs. Coke Used: <u>2,500</u>	Lost Circulation Mat'l Used		No. Sacks Mud Used
Anode Depth					
# 1 <u>205</u>	# 2 <u>195</u>	# 3 <u>185</u>	# 4 <u>175</u>	# 5 <u>165</u>	# 6 <u>155</u>
# 7 <u>145</u>	# 8 <u>135</u>	# 9 <u>125</u>	# 10 <u>115</u>		
Anode Output (Amps)					
# 1 <u>3.2</u>	# 2 <u>4.5</u>	# 3 <u>4.4</u>	# 4 <u>4.5</u>	# 5 <u>4.2</u>	# 6 <u>4.2</u>
# 7 <u>1.6</u>	# 8 <u>1.8</u>	# 9 <u>4.0</u>	# 10 <u>4.4</u>		
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		
Volts <u>11.8</u>	Amps <u>12.5</u>	Ohms <u>0.95</u>	<u>1900'</u>		
			No. 2 C.P. Cable Used		

Remarks: Drill with Air. Driller said water at
35' more water at 100'. Vent Hose Perforated
175'. Logging Anode stopped at 223'

All Construction Completed

Edward R. Paulik
(Signature)

GROUND BED LAYOUT SKETCH



669

954W

Driller said water AT
35' more water AT
100'
VENT PER A. 175'

Wt	Cal/mol
10 C ₁	6.1
30 C ₂	10.4
54 C ₃	10.42
58 C ₄	11.38
72 C ₅	11.93
72 C ₆	11.93
72 C ₇	11.93
86 C ₈	15.50
86 C ₉	15.57
100 C ₁₀	17.2
114 C ₁₁	17.46
114 C ₁₂	17.46
28 C ₁₃	9.64
42 C ₁₄	9.67

10	1.2
10	1.2
10	1.0
20	2.4
20	2.4
30	2.2
30	2.0
40	1.6
40	1.4
50	1.2
50	1.6
60	2.4
60	2.6
70	2.6
70	2.4
80	2.6
80	2.4
90	2.6
90	2.6
100	2.6
100	2.4
110	2.0
110	1.6
120	1.8
130	
140	
150	
160	
170	
180	
190	
200	

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10 C ₁	6.1
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114 C ₁₂	17.46
28 C ₁₃	9.64
42 C ₁₄	9.67

Wt	Cal/mol	SS	Water	CO ₂
1	205	2.2	3.2	
2	195	2.8	4.5	
3	185	2.6	4.4	
4	175	2.6	4.5	
5	165	2.4	4.2	
6	155	2.4	4.2	
7	145	2.4	2.6	
8	135	1.6	2.8	
9	125	2.2	4.0	
10	115	2.4	4.4	
1600	11.8	12.5	0.95	
3000				
1900				
60				
70				