

36-30-045-05787
135-30-045-05770
240-30-045-21220

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 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #36, #135, #240

cps 882w

Elevation 6387' Completion Date 7/2/71 Total Depth 360' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 7800 lbs.

Depths anodes placed: 305', 295', 285', 255', 245', 235', 225', 195', 175'

Depths vent pipes placed: 305'

Vent pipe perforations: 250'

Remarks: qb #1

RECEIVED
MAY 31 1991

OIL CON. DIV.

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 7/2/71

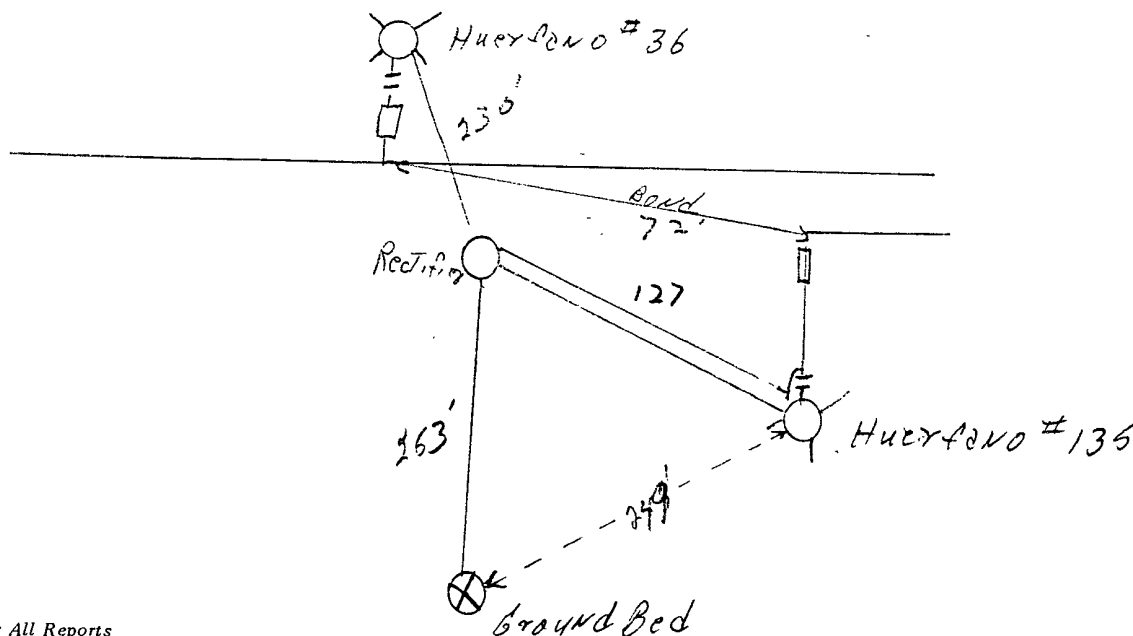
Well Name <u>Huerfano # 135</u> <u>Huerfano # 36</u>		Location <u>NW 23-26-9W</u>		CPS No. <u>882W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>184-54295-19-50-</u> <u>194-20146-19-50-</u>	
Anode Hole Depth <u>360</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>7800</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>305'</u>	# 2 <u>295'</u>	# 3 <u>285'</u>	# 4 <u>255'</u>	# 5 <u>245'</u>	# 6 <u>235'</u>
# 7 <u>225'</u>	# 8 <u>195'</u>	# 9 <u>185'</u>	# 10 <u>175'</u>		
Anode Output (Amps)					
# 1 <u>4.6</u>	# 2 <u>5.6</u>	# 3 <u>5.2</u>	# 4 <u>3.4</u>	# 5 <u>5.5</u>	# 6 <u>5.8</u>
# 7 <u>4.8</u>	# 8 <u>4.4</u>	# 9 <u>5.9</u>	# 10 <u>4.0</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance					
Volts <u>12</u>	Amps <u>19.2</u>	Ohms <u>.624</u>	No. 8 C.P. Cable Used <u>890'</u>		No. 2 C.P. Cable Used

Remarks: Huerfano # 135 Static 9/5 600' SE = .76 vent hose perforated
Huerfano # 36 Static 9/5 600' NE = .74 to #1 Anode
 Pumping hose plugged once at 200'
 Drilled with air water standing in morning @ 90'
 Pumped to 50' completed by slurry
 Wires marked 1 NOTCH = Huerfano # 135
 2 NOTCHES = Flowline
 3 NOTCHES = Huerfano # 36

All Construction Completed

E. R. Paulk
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

[illegible]

SIGNED: Toolpusher Joe Merrett Company Supervisor

Huerfano #135
CPS 882W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.33
86	IC ₅ 13.31
100	NC ₅ 15.50
114	C ₆ 17.2
128	C ₇ 17.45
142	C ₈ 19.18
156	C ₉ 20.44
170	C ₁₀ 22.67

MW	gas/mol
44	CO ₂ 6.38
44	H ₂ O 5.17
28	N ₂ 4.16
2	H ₂ 3.38

				Anodes in Series			
				Depth	Water	CO ₂	
90	2.2	60	1.10	1	305	2.2	4.6
	2.0		.87	2	295	2.4	5.6
100	1.62	70	.96	3	285	2.3	5.2
	1.07		1.04	4	255	2.0	3.4
10	1.63	80	1.38	5	245	2.6	5.5
	2.2		2.1	6	235	2.6	5.8
20	2.4	90	2.2	7	225	2.5	4.8
	2.4		2.2	8	195	2.3	4.4
30	2.4	300	2.3	9	185	2.6	5.9
	2.3		2.2	10	175	2.6	4.0
40	2.3	10	1.79				
	2.3		.99			12V	19.2A .62V
50	2.3	20	.92			Anodes in Parallel	
	2.1		.99			12V	19.2A
60	2.1	30	1.06				
	2.3		.90	1	1.8		
70	2.3	40	.78	2	2.2		
	2.3		.64	3	2.1		
80	2.4	50	.83	4	1.22		
	2.4		1.85	5	1.2		
90	2.5	60	BOTTOM	6	2.2		
	2.1			7	1.8		
200	1.73			8	1.75		
	1.26			9	2.5		
10	1.12			10	1.5		
	1.08						
20	1.80						
	2.3						
30	2.3						
	2.4						
40	2.4						
	2.4						
50	2.1						
	1.80						

BOTTOM ANODE + 20 = 330'
 DISTANCE = 592' @ 20'/ft = 11840
 = 79'

Pay Total 409'
 Credit EPNG 91'