

133-30-045-05847

98-30-045-05828

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. 16 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #133. #98

cps 881w

Elevation 6323' Completion Date 6/29/71 Total Depth 500' 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. 120' - 150'

Depths gas encountered: N/A

Type & amount of coke breeze used: 9100 lbs.

Depths anodes placed: 405', 395', 385', 375', 365', 235', 225', 185', 175', 165'

Depths vent pipes placed: 405'

Vent pipe perforations: 320'

Remarks: qb #1

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MAY 31 1991

OIL CON

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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

CPS CONTRACT

Completion Date 6/29/71

Drilling Log (Attach Hereto). ☐

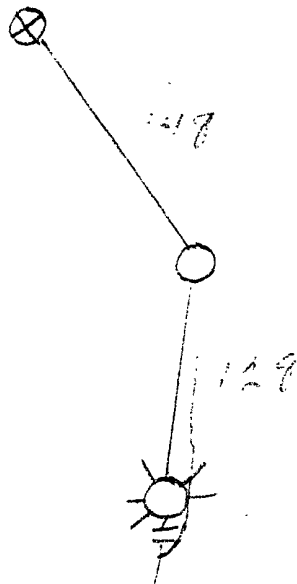
Well Name <u>Huerfano # 133</u>		Location <u>SE 16-26N-9W</u>		CPS No. <u>881 W</u>	
Type & Size Bit Used <u>63/4"</u>				Work Order No. <u>184-54397-19-40-2</u>	
Anode Hole Depth <u>500'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>9100</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>405'</u>	# 2 <u>395'</u>	# 3 <u>385'</u>	# 4 <u>375'</u>	# 5 <u>365'</u>	# 6 <u>235'</u>
# 7 <u>225'</u>	# 8 <u>185'</u>	# 9 <u>175'</u>	# 10 <u>165'</u>		
Anode Output (Amps)					
# 1 <u>4.8</u>	# 2 <u>6.2</u>	# 3 <u>4.8</u>	# 4 <u>4.2</u>	# 5 <u>4.7</u>	# 6 <u>3.4</u>
# 7 <u>3.5</u>	# 8 <u>3.8</u>	# 9 <u>4.4</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		No. 2 C.P. Cable Used
Volts <u>11.8</u>	Amps <u>19.0</u>	Ohms <u>.62</u>	<u>449</u>		

Remarks: STATIC G/S 600' NE = .69 VENT HOSE PERFORATED 320' TO =
WATER SANDS 120' - 150'
PUMPED 690 SHOVELS TO 11' FROM TOP 1 1/2 LOADS
WATER

All Construction Completed

Paul F. Savels
(Signature)

GROUND BED LAYOUT SKETCH



Huerfano # 133
CPS 881 W

MW	gas/mol
15	C ₁ 6.4
19	C ₂ 8.56
44	C ₃ 19.42
58	IC ₄ 12.38
72	NC ₄ 11.93
72	IC ₅ 13.85
86	NC ₅ 13.71
86	IC ₆ 15.90
100	C ₆ 15.57
100	IC ₇ 17.2
114	C ₇ 17.46
114	C ₈ 19.38
128	C ₉ 19.64
142	C ₁₀ 21.57

MW	MISC	gas/mol
14	CO ₂	9.38
14	H ₂ S	5.19
28	N ₂	4.16
2	H ₂	1.18

				Depth	Water	Coke
100		70	1.60			
			1.34	1 405	2.2	4.8
10		80	.75	2 395	2.6	6.2
			.67	3 385	2.4	4.8
20	1.15	90	.80	4 375	2.0	4.2
	.60		1.34	5 365	2.2	4.7
30	.80	300	1.59	6 235	2.0	3.4
	.73		1.40	7 225	1.92	3.5
40	1.05	10	.94	8 185	2.5	3.8
	1.15		.84	9 175	2.3	4.4
50	1.03	20	.78	10 165	2.2	4.4
	1.05		.68			
60	1.60	30	.58			
⑩	2.1		.68			
70	2.1	40	.86			
⑨	2.1		.91			
80	2.2	60	.96			
⑧	2.2		1.37	40 .69		
90	2.0	60	2.1	.53		
	1.7	⑦	2.1	50 .61		
200	1.55	70	1.83	2.26		
	1.38	⑥	1.83	2.0	60	
10	1.43	80	1.83	2.0	462 Bottom	
	1.48	⑤	2.2	70		
20	1.05	90	2.4			
④	1.90	④	2.5	80		
30	1.70	400	2.3			
③	1.79	③	2.2	90		
40	1.55	10	1.75			
	1.14		1.45	500		
50	1.06	20	1.02			
	1.49		.55			
60	1.65	30	.57			
	1.62		.73			

~~11.8 19A~~

11.8 19A .622

Bottom Anode + 20 = 430'

DITCH = 176' @ 209' = 17' Hole Depth

Pay Total Depth 447
Credit Expd 53'Pumped 690 Shovels To
11' from Top