

#63 = 30-045-06058
#223 = 30-045-20834

5188

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. 4 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #63, #223

cps 949w

Elevation 6179' Completion Date 8/21/75 Total Depth 475' 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: 4300 lbs.

Depths anodes placed: 440', 430', 420', 400', 390', 380', 370', 360', 350', 340'

Depths vent pipes placed: N/A

Vent pipe perforations: 250'

Remarks: cg#1

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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
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Log

Drilling Log (Attach Hereto) ☐

Completion Date 8-21-75

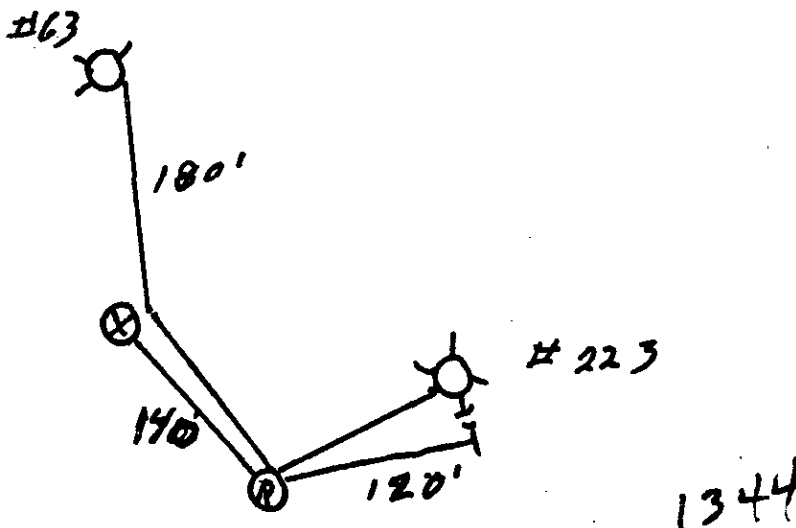
Well Name: <u>HURFENO # 223</u> <u>HURFENO # 63</u>		Location: <u>NW 4-26N-10W</u>		CPS No. <u>949 W</u>						
Type & Size Bit Used: <u>6 3/4"</u>				Wells: <u>54919.19-50-20</u> <u>53071.19-50-20</u>						
Anode Hole Depth: <u>475</u>	Total Drilling Rig Time	Total Lbs. Coke Used: <u>4,800</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used						
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	<u>440</u>	<u>430</u>	<u>420</u>	<u>400</u>	<u>390</u>	<u>380</u>	<u>370</u>	<u>360</u>	<u>350</u>	<u>34</u>
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10
	<u>3.2</u>	<u>3.6</u>	<u>3.2</u>	<u>2.4</u>	<u>3.2</u>	<u>4.8</u>	<u>4.2</u>	<u>4.2</u>	<u>4.4</u>	<u>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>15.0</u>	Ohms <u>0.28</u>	<u>4,180</u>							

Remarks: Drill with Air. Driller said water at
340'. Vent Hose Perforated 250'. Logging
Anode stopped AT 448'.

All Construction Completed

Edward R. Paulch
(Signature)

GROUND BED LAYOUT SKETCH



949W

MW	gas/mol
16	C ₂ 6.4
30	C ₃ 10.13
44	C ₄ 16.62
58	IC ₄ 12.38
72	NC ₄ 11.93
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	CA 15.57
142	IC ₇ 17.2
156	C ₇ 17.46
170	C ₈ 17.77
184	C ₉ 18.64
198	C ₁₀ 19.67

MW	MISC.	gas/mol
44	CO ₂	5.38
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	3.38

220		④ 400	1.2	Driller, solid water	
			1.0	AT 3.40'	
30		10	1.0	Vent Perf 250	
			1.2		
40	2.0	③ 20	1.8		
	1.8		2.0		
50	1.6	④ 30	2.0		
			2.0		
60		④ 40	2.0		
		④	2.0		
70		50		448 Bottom	
80		60			
90		70			
300	1.0	80			
	1.8				
10	1.8				
	1.2				
20	1.8				
	2.0				
30	2.0				
	2.0				
⑩ 40	2.2				
	1.2				
⑨ 50	2.2				
	2.0				
⑧ 60	2.0				
	2.0				
⑦ 70	2.0				
	2.0				
⑥ 80	2.0				
	1.8				
⑤ 90	1.6				
	1.6				

1	440	2.4	3.2
2	430	2.4	3.6
3	420	2.2	3.2
4	400	1.4	2.0
5	390	1.8	2.0
6	380	1.2	1.6
7	370	1.2	1.6
8	360	1.4	1.2
9	350	1.6	1.4
10	340	1.6	1.4