

30-045-05783 4332

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. 20 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #111

cps 921w

Elevation 6436' Completion Date 7/17/75 Total Depth 300' 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. 70'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4200 lbs.

Depths anodes placed: 270', 260', 250', 240', 200', 190', 180', 140', 130', 120'

Depths vent pipes placed: N/A

Vent pipe perforations: 250'

Remarks: QD #1

RECEIVED
MAY 31 1991
OIL

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 7/17/75

Well Name <u>Huerfano unit NP #111</u>				Location <u>NW 20 - 26N - 9W</u>				CPS No. <u>921W</u>			
Type & Size Bit Used <u>6 3/4</u>								Work Order No. <u>53807.19-50-20</u>			
Anode Hole Depth <u>300</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>4,200</u>		Lost Circulation Mat'l Used		No. Sacks Mud Used			
Anode Depth	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	<u>270</u>	<u>260</u>	<u>250</u>	<u>240</u>	<u>200</u>	<u>190</u>	<u>180</u>	<u>140</u>	<u>130</u>	<u>120</u>	
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	
	<u>2.6</u>	<u>3.2</u>	<u>3.4</u>	<u>3.4</u>	<u>3.4</u>	<u>3.8</u>	<u>3.2</u>	<u>2.6</u>	<u>3.0</u>	<u>3.8</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		Volts		Amps		Ohms		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
		<u>11.8</u>		<u>13.0</u>		<u>0.90</u>		<u>2280</u>			

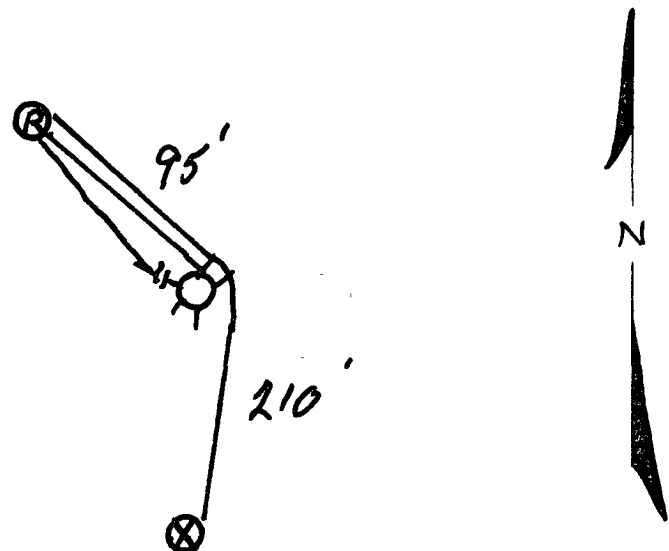
Remarks: Drill with Air. Driller said water
at 70'. Vent Hose Perforated 250'
Very little response to coke on #1 Anode

Driller - \$8592.40
Waste - \$224.64
Loop - \$13.40
Wire - \$13.04
Cable - \$52.00
Perforating - \$264.60
Grout - \$194.50
5 Bars - \$83.00
House - \$50.00
\$244.58

All Construction Completed

Edward R. Paul
(Signature)

GROUND BED LAYOUT SKETCH



885

921 W

MW	g/lb/mol
16 C ₁	6.4
30 C ₂	5.517
44 C ₃	10.42
58 IC ₄	12.38
72 NC ₄	11.93
86 IC ₅	13.96
100 NC ₅	15.98
114 C ₆	15.57
128 IC ₇	17.2
142 C ₇	17.46
156 C ₈	19.37
170 C ₉	19.64
184 C ₁₀	19.67

MW	MISC	g/lb/mol
44 CO ₂	0.476	
14 H ₂ S	5.176	
28 N ₂	4.16	
2 H ₂	3.18	

100	2.0	80	1.6	Driller said water @ 70'			
	2.0			VENT HOSE PERFORATOR 250'			
10	2.0	90					
	2.0						
20	1.8						
30	1.6						
	1.6						
40	1.6						
	1.2						
50	1.4						
	1.4						
60	1.2						
	1.0						
70	1.0						
	1.4						
80	1.6			1.	270	1.2	2.6
	2.0			2.	260	2.2	3.2
90	2.0			3.	250	2.2	3.4
	2.0			4.	240	2.2	3.4
100	1.6			5.	200	1.8	3.4
	1.0			6.	190	2.6	3.8
10	.8			7.	180	2.0	3.2
	1.0			8.	140	1.6	2.6
20	1.0			9.	130	1.8	3.0
	.8			10.	120	2.2	3.8
30	1.0				1980	11.8	13.0
	1.8				300		.90
40	2.0				2280		
	1.8						
50	1.8						
	2.0						
60	2.0						
	2.0						
70	2.0						
	1.8						