

30-045-20395

5206

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. 29 Twp 26 Rng 9Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #193cps 932wElevation 6547' Completion Date 7/23/75 Total Depth 340' Land Type* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used
N/ADepths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 130'Depths gas encountered: N/AType & amount of coke breeze used: 3200 lbs.Depths anodes placed: 290', 280', 260', 250', 240', 230', 220', 210', 170', 160'Depths vent pipes placed: N/AVent pipe perforations: 250'Remarks: qb #1**RECEIVED**
MAY 31 1991
OIL CON. DIV.
DIST. 2

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

Logged

Drilling Log (Attach Hereto). ☐

Completion Date 7-23-75

Well Name HUELFANO #193		Location SE 29-26-9		CPS No. 932 W	
Type & Size Bit Used 6 3/4				Work Order No. 54649	
Anode Hole Depth 340	Total Drilling Rig Time	Total Lbs. Coke Used 3200	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 290	# 2 280	# 3 260	# 4 250	# 5 240	# 6 230
# 7 220	# 8 210	# 9 170	# 10 160		
Anode Output (Amps)					
# 1 4.2	# 2 4.9	# 3 4.6	# 4 5.0	# 5 5.6	# 6 5.4
# 7 5.8	# 8 4.4	# 9 4.8	# 10 5.3		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance					
Volts 12.0	Amps 19.0	Ohms 0.63	No. 8 C.P. Cable Used 2610		No. 2 C.P. Cable Used

Remarks: Damp at 120, Wet at 140, Start water injection
at 160, - Drilled to 200' - Water at 130 Next AM
Vent Perforated 250' Slurry 32 Sacks Coke

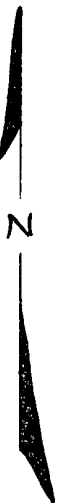
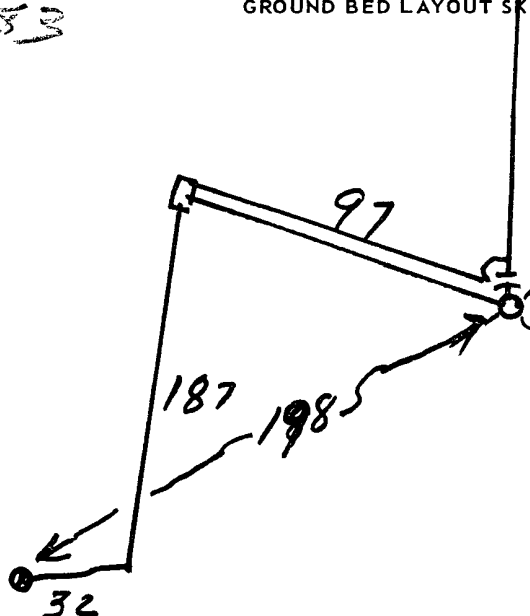
Driller 907.60
Time - 374.40
Coke 192.--
Wire 242.73
Anodes 364.60
Rest - 194.50
TB - 25--
Travels - 50--

2308.53

All Construction Completed

Arrels
(Signature)

GROUND BED LAYOUT SKETCH



ILY DRILLING REPORT

LEASE						WELL NO. 9 ³²						CONTRACTOR						RIG NO. 3971						REPORT NO.						DATE						19					
MORNING												DAYLIGHT												EVENING																	
Driller				Total Men In Crew								Driller				Total Men In Crew								Driller				Total Men In Crew													
FROM		TO		FORMATION		WT-BIT		R.P.M.		FROM		TO		FORMATION		WT-BIT		R.P.M.		FROM		TO		FORMATION		WT-BIT		R.P.M.													
0.0		3.0		Sand						77.0		112.0		Shale						243.0		270.0		Shale																	
3.0		28.0		Sandstone						112.0		220.0		Sandstone						270.0		295.0		Sandstone																	
28.0		35.0		Shale						220.0		240.0		Shale						295.0		300.0		Shale																	
35.0		77.0		Sandstone						240.0		243.0		Sandstone						300.0		328.0		Sandstone																	
BIT NO.				NO. DC		SIZE		LENG.		BIT NO.				NO. DC		SIZE		LENG.		BIT NO.				NO. DC		SIZE		LENG.													
SERIAL NO.				NO. DC		SIZE		LENG.		SERIAL NO.				NO. DC		SIZE		LENG.		SERIAL NO.				NO. DC		SIZE		LENG.													
SIZE		1-3/4"		STANDS						SIZE				STANDS						SIZE				STANDS																	
TYPE				DOWN ON KELLY						TYPE				DOWN ON KELLY						TYPE				DOWN ON KELLY																	
MAKE				TOTAL DEPTH						MAKE				TOTAL DEPTH						MAKE				TOTAL DEPTH																	
MUD RECORD				MUD, ADDITIVES USED AND RECEIVED						MUD RECORD				MUD, ADDITIVES USED AND RECEIVED						MUD RECORD				MUD, ADDITIVES USED AND RECEIVED																	
Time		Wt.		Vis.						Time		Wt.		Vis.						Time		Wt.		Vis.																	
FROM		TO		TIME BREAKDOWN						FROM		TO		TIME BREAKDOWN						FROM		TO		TIME BREAKDOWN																	
328.0		330.0		Shale																																					
330.0		340.0		Sandstone																																					
340.0		-		TD																																					

SIGNED: Toolpusher

Company Supervisor

130 - 1.5
135 - 1.2
140 - 1.3
145 - 1.4
150 - 2.0
155 - 2.8

932W

160 - 2.8

2.8

70 - 2.5

2.0

80 - 1.7

1.4

90 - 1.4

1.0

200 - 1.2

1.7

10 - 2.4

2.6

20 - 3.0

3.0

30 - 2.8

2.8

40 - 2.8

3.0

50 - 3.0

3.0

60 - 2.8

2.2

70 - 1.3

1.6

80 - 2.8

3.0

90 - 2.6

1.6

300 - 1.4

1.4

10 - 2.2

2.6

20 - 2.8

T.D.

30

Driller start inj at 160
Damp at 120
Wet at 140
Drill 200'
water at 130 Next A.M.

Vent Perf. 250

1	290	26	4.2
2	280	28	4.9
3	260	30	4.6
4	250	30	5.0
5	240	30	5.6
6	230	30	5.4
7	220	30	5.8
8	210	30	4.4
9	170	30	4.8
10	160	30	5.3

12.0 V 19.0 A = 0.63 n

VW	gal/mol
16 C ₁	0.4
20 C ₂	1.2
44 C ₃	10.42
58 IC ₄	12.38
72 NC ₅	11.93
72 IC ₅	13.85
86 NC ₆	13.71
86 IC ₆	15.50
100 C ₇	15.57
100 IC ₇	17.2
114 C ₈	17.46
114 C ₉	17.46
128 C ₁₀	17.46
142 C ₁₁	17.46
156 C ₁₂	17.46
170 C ₁₃	17.46
184 C ₁₄	17.46
198 C ₁₅	17.46
212 C ₁₆	17.46
226 C ₁₇	17.46
240 C ₁₈	17.46
254 C ₁₉	17.46
268 C ₂₀	17.46
282 C ₂₁	17.46
296 C ₂₂	17.46
310 C ₂₃	17.46
324 C ₂₄	17.46
338 C ₂₅	17.46
352 C ₂₆	17.46
366 C ₂₇	17.46
380 C ₂₈	17.46
394 C ₂₉	17.46
408 C ₃₀	17.46
422 C ₃₁	17.46
436 C ₃₂	17.46
450 C ₃₃	17.46
464 C ₃₄	17.46
478 C ₃₅	17.46
492 C ₃₆	17.46
506 C ₃₇	17.46
520 C ₃₈	17.46
534 C ₃₉	17.46
548 C ₄₀	17.46
562 C ₄₁	17.46
576 C ₄₂	17.46
590 C ₄₃	17.46
604 C ₄₄	17.46
618 C ₄₅	17.46
632 C ₄₆	17.46
646 C ₄₇	17.46
660 C ₄₈	17.46
674 C ₄₉	17.46
688 C ₅₀	17.46
702 C ₅₁	17.46
716 C ₅₂	17.46
730 C ₅₃	17.46
744 C ₅₄	17.46
758 C ₅₅	17.46
772 C ₅₆	17.46
786 C ₅₇	17.46
800 C ₅₈	17.46
814 C ₅₉	17.46
828 C ₆₀	17.46
842 C ₆₁	17.46
856 C ₆₂	17.46
870 C ₆₃	17.46
884 C ₆₄	17.46
898 C ₆₅	17.46
912 C ₆₆	17.46
926 C ₆₇	17.46
940 C ₆₈	17.46
954 C ₆₉	17.46
968 C ₇₀	17.46
982 C ₇₁	17.46
996 C ₇₂	17.46
1010 C ₇₃	17.46
1024 C ₇₄	17.46
1038 C ₇₅	17.46
1052 C ₇₆	17.46
1066 C ₇₇	17.46
1080 C ₇₈	17.46
1094 C ₇₉	17.46
1108 C ₈₀	17.46
1122 C ₈₁	17.46
1136 C ₈₂	17.46
1150 C ₈₃	17.46
1164 C ₈₄	17.46
1178 C ₈₅	17.46
1192 C ₈₆	17.46
1206 C ₈₇	17.46
1220 C ₈₈	17.46
1234 C ₈₉	17.46
1248 C ₉₀	17.46
1262 C ₉₁	17.46
1276 C ₉₂	17.46
1290 C ₉₃	17.46
1304 C ₉₄	17.46
1318 C ₉₅	17.46
1332 C ₉₆	17.46
1346 C ₉₇	17.46
1360 C ₉₈	17.46
1374 C ₉₉	17.46
1388 C ₁₀₀	17.46

MW	MISC	gal/mol
44 CO ₂	0.38	
44 N ₂	0.38	
28 N ₂	0.38	
2 H ₂	0.38	