

30-045-06064

5196

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. 1 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #108

cps 943w

Elevation 6625' Completion Date 8/1/75 Total Depth 340' 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. DAMP AT 166'-170' & 176'-196'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3200 lbs.

Depths anodes placed: 290', 280', 270', 260', 250', 240', 230', 220', 210', 200'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

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 **8-1-75**

Well Name Huerfano #108		Location NW1-26-10		CPS No. 943W	
Type & Size Bit Used 6 3/4				Work Order No. 53804	
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	# 3 270	# 4 260	# 5 250
	# 6 240	# 7 230	# 8 220	# 9 210	# 10 200
Anode Output (Amps)	# 1 2.5	# 2 3.4	# 3 4.3	# 4 4.0	# 5 3.2
	# 6 3.2	# 7 3.2	# 8 2.8	# 9 2.6	# 10 3.2
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 10.0		Amps 12.0	Ohms 0.83	No. 8 C.P. Cable Used 2750
					No. 2 C.P. Cable Used

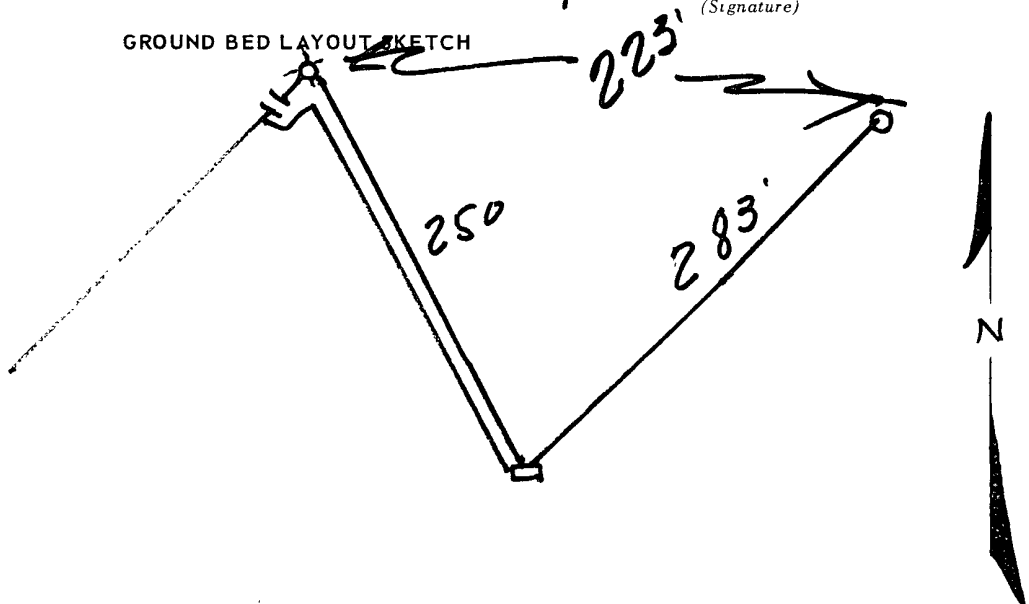
Remarks: **Driller Said Damp at 166 To 170 & 176 To 196**
Start Water Injection at 220'
Vent Perforated 200'

Driller 726.08
Time 251.24
Wire 255.75
Cable 192.00
Anodes 254.60
T.Ron 83.00
Ret - 194.50
Misc - 50.00
2097.17

All Construction Completed

Daniel
(Signature)

GROUND BED LAYOUT SKETCH



7-31-75

DAILY DRILLING REPORT

LEASE					WELL NO. 943 - W					CONTRACTOR					RIG NO. 3991					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	20.0	Sand			67.0	73'	Shale			134.0	137'	Shale																						
20.0	50.0	Sandstone			73.0	94'	Sandstone			137.0	157'	Sandstone																						
50.0	63.0	Shale			94.0	130'	Shale			157.0	160'	Shale																						
63.0	67.0	Sandstone			130.0	134.0	Sandstone			160.0	175.0	Sandstone																						
NO. DC _____ SIZE _____ LENG. _____					NO. DC _____ SIZE _____ LENG. _____					NO. DC _____ SIZE _____ LENG. _____																								
BIT NO. _____					BIT NO. _____					BIT NO. _____																								
SERIAL NO. _____					SERIAL NO. _____					SERIAL NO. _____																								
SIZE _____					SIZE _____					SIZE _____																								
TYPE _____					TYPE _____					TYPE _____																								
MAKE _____					MAKE _____					MAKE _____																								
TOTAL DEPTH _____					TOTAL DEPTH _____					TOTAL DEPTH _____																								
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																						
196.0	208'	Shale			260'	268'	Shale																											
208.0	227'	Sandstone			268'	275'	Sandstone																											
227.0	230'	Shale			275'	295'	Shale																											
230.0	238'	Sandstone			295'	340'	Sandstone																											
238.0	246'	Shale			340'	-	TD																											
24	260'	Sandstone																																
REMARKS -					REMARKS -					REMARKS -																								
DAMP @ 90 to 94																																		
" " 166 to 196																																		
" " 213 Wet at 220'																																		
FUSION @ 220' to 340'																																		

SIGNED: Toolpusher _____

____ Company Supervisor

943 W

8-1-75

MW		gals/mol
16	C ₁	9.3
30	C ₂	10.5
44	C ₃	16.42
58	IC ₄	12.38
72	NC ₄	11.93
86	IC ₅	13.35
100	NC ₅	12.71
114	IC ₆	15.50
128	NC ₆	15.57
142	IC ₇	17.7
156	NC ₇	17.46
170	IC ₈	19.97
184	NC ₈	19.64
198	IC ₉	22.67

MW		gals/mol
44	CO ₂	8.16
34	H ₂ S	5.77
28	N ₂	4.16
2	H ₂	3.38

160	1.6	Driller said Dampot 166 To 170 & 176 To 196 Start inj at 220			
	1.6				
70	1.5				
	1.2				
80	1.2				
	1.4				
90	2.0				
	2.2				
200	2.2 -				
	2.0				
10	1.8 -				
	1.5				
20	1.6 -				
	1.6				
30	2.0 -				
	2.1				
40	2.1 -				
	1.9				
50	1.6 -	1	290	16	2.5
	1.3	2	280	22	3.4
60	2.4 -	3	270	27	4.3
	2.4	✓	260	24	4.0
70	2.5 -	5	250	16	3.2
	2.5	6	240	19	3.2
80	2.3 -	7	230	20	3.2
	2.0	8	220	14	2.8
90	1.7 -	9	210	18	2.6
	1.0	10	200	21	3.2
300	1.0				
	1.3				
10	1.3				
	1.3				
20	.9				
	1.0				
30					

170 / 10.0 V 12.0 A = .83

331 T.D.