

30-045-20660

5202

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. 32 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #208

cps 936w

Elevation 6589' Completion Date 7/25/75 Total Depth 320' 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 50'-70', 135'-140', 147'-160'

WET 160'

Depths gas encountered: N/A

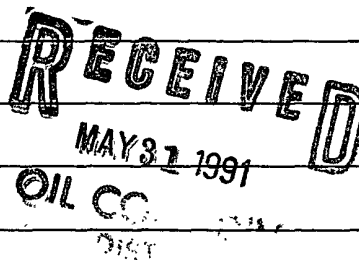
Type & amount of coke breeze used: 3200 lbs.

Depths anodes placed: 260', 250', 240', 230', 220', 210', 200', 190', 180', 170'

Depths vent pipes placed: N/A

Vent pipe perforations: 140'

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

[Handwritten signature]

Drilling Log (Attach Hereto). ☐

Completion Date 7-28-75

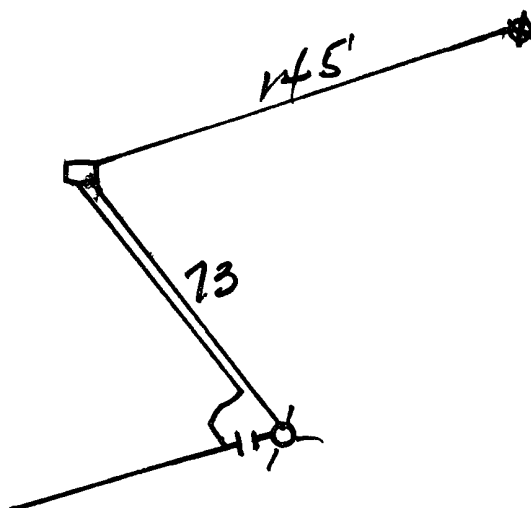
Well Name Huerfano Unit #208		Location NW 32-26-9		CPS No. 936W	
Type & Size Bit Used 6 3/4				Work Order No. 54747.19-50-20	
Anode Hole Depth 320	Total Drilling Rig Time	Total Lbs. Coke Used 3200	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 260	# 2 250	# 3 240	# 4 230	# 5 220	# 6 210
# 7 200	# 8 190	# 9 180	# 10 170		
Anode Output (Amps)					
# 1 5.4	# 2 5.3	# 3 4.9	# 4 5.0	# 5 4.9	# 6 5.4
# 7 5.3	# 8 5.0	# 9 5.5	# 10 4.8		
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	
Volts 9.5	Amps 19.5	Ohms 0.49	2450		No. 2 C.P. Cable Used

Remarks: Driller said Damp at 50 To 70, 135 To 190,
147 To 160 - Start Water injection at 160'
Fill with Water to log. Water Next A.M. at 60'
Vent Perforated 140'
32 Sax Coke

All Construction Completed

[Handwritten signature: Daniels]
(Signature)

GROUND BED LAYOUT SKETCH



7-24-75 DAILY DRILLING REPORT

LEASE		WELL NO. 936-W CONTRACTOR				RIG NO. 3491		REPORT NO.		DATE		19					
MORNING						DAYLIGHT						EVENING					
Driller						Driller						Driller					
Total Men In Crew						Total Men In Crew						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	1.0	Sand				70.0	110.0	Shale gray				142.0	147.0	Shale			
1.0	45.0	Sandstone				110.0	130.0	Sandstone				147.0	182.0	Sandstone			
45.0	50.0	Shale				130.0	135.0	Shale				182.0	205.0	Shale			
50.0	70.0	Sandstone				135.0	140.0	Sandstone				205.0	210.0	Sandstone			
		NO. DC	SIZE	LENG.				NO. DC	SIZE	LENG.				NO. DC	SIZE	LENG.	
BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.	BIT NO.		NO. DC		SIZE	LENG.
SERIAL NO.		STANDS				SERIAL NO.		STANDS				SERIAL NO.		STANDS			
SIZE		SINGLES				SIZE		SINGLES				SIZE		SINGLES			
TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY				TYPE		DOWN ON KELLY			
MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH				MAKE		TOTAL DEPTH			
MUD RECORD						MUD RECORD						MUD RECORD					
MUD, ADDITIVES USED AND RECEIVED						MUD, ADDITIVES USED AND RECEIVED						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	
236.0	237.0	Shale gray				284.0	286.0	Shale gray									
237.0	237.0	Sandstone				286.0	295.0	Sandstone									
237.0	245.0	Shale gray				295.0	310.0	Shale gray									
245.0	248.0	Sandstone				310.0	320.0	Sandstone									
248.0	270.0	Shale				320.0	-	TD									
270.0	284.0	Sandstone															
REMARKS -						REMARKS -						REMARKS -					
Lump of 50 to 70'						Thick at 160 to 320'											
135 to 140'																	
147 to 160'																	
Lump at 160'																	

SIGNED: Toolpusher

[Signature]

Company Supervisor

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 12.12
44	C ₃ 10.42
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	NC ₆ 15.57
142	IC ₇ 17.4
156	NC ₇ 17.46
170	IC ₈ 19.3
184	NC ₈ 19.36

MW	MISC	gas/mol
44	CO ₂	6.36
18	H ₂ O	5.11
28	N ₂	4.16
2	H ₂	3.38

936w

Driller said Damp at
50 To 70

135 To 140

147 To 160

Water at 160 - starting

Fill to log -
Water Next AM at 60'

Vent PERF 140'

160	1.8	150
	1.6	
70	1.8	60
	1.8	
80	2.2	70
	2.4	
90	2.4	80
	2.4	
200	2.4	90
	2.4	
10	2.4	← 200
	2.4	
20	2.2	10
	2.3	
30	2.2	20
	2.4	
40	2.4	30
	2.3	
50	2.4	40
	2.5	
60	2.6	50
	2.6	
70	2.4	60
	2.4	
80	2.2	70
	2.4	
90	2.4	80
	2.6	288 T.D.
300		90
10		300
20		10
		20

1	260	5.4
2	250	5.3
3	240	4.9
4	230	5.0
5	220	4.9
6	210	5.4
7	200	5.3
8	190	5.0
9	180	5.5
10	170	4.8

5

9.5 Volts 19.5 Amps = 0.495