

30-045-20649

5207

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. 28 Twp 26 Rng 9Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #205cps 93lwElevation 6467' Completion Date 7/22/75 Total Depth 420' Land Type* N/ACasing, Sizes, Types & Depths N/AIf 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. N/ADepths gas encountered: N/AType & amount of coke breeze used: 4100 lbs.Depths anodes placed: 350', 340', 330', 320', 310', 300', 290', 280', 270', 260'Depths vent pipes placed: N/AVent pipe perforations: 145'Remarks: qb #1**RECEIVED****MAY 31 1991****OIL CON****DIS**

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 initials

Drilling Log (Attach Hereto). ☐

Completion Date **7.22-75**

Well Name Hucrfano # 205		Location SE 28-26-9		CPS No. 931 W	
Type & Size Bit Used 6 3/4				Work Order No. 184-54744.19-50-2	
Anode Hole Depth 420	Total Drilling Rig Time	Total Lbs. Coke Used 4100	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 350	# 2 340	# 3 330	# 4 320	# 5 310	# 6 300
# 7 290	# 8 280	# 9 270	# 10 260		
Anode Output (Amps)					
# 1 3.7	# 2 3.4	# 3 3.8	# 4 2.8	# 5 3.6	# 6 3.8
# 7 3.7	# 8 4.2	# 9 3.4	# 10 3.7		
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 10.0	Amps 14.0	Ohms 0.71	3350		No. 2 C.P. Cable Used

Remarks: **Drilled 200 - Hole Dry Next A.M. - Damp at 258'**
Start Water Injection at 280'
VENT PERFORATED 145'

Driller 726.08

Motor - 362.96

Water 311.55

Waste 246.00

Surveys 344.60

Rest 192.00

Flare 75.00

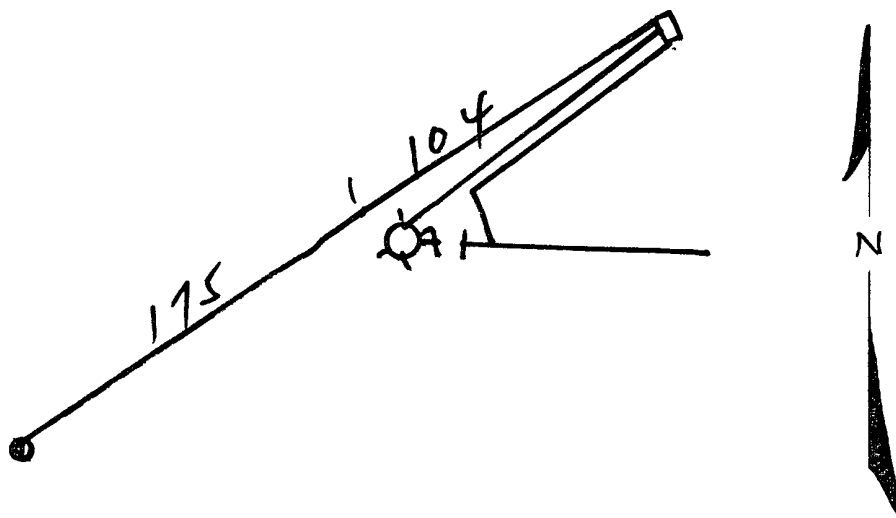
Other 5.00

557.13

All Construction Completed

Signature
(Signature)

GROUND BED LAYOUT SKETCH



7-21 & 7-22-75 DAILY DRILLING REPORT

LEASE		WELL NO. 931-U		CONTRACTOR		RIG NO. 8899		REPORT NO.		DATE		19					
MORNING						DAYLIGHT						EVENING					
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	6.0	Sand			50.0	54.0	Shale - brown			98.0	120.0	Shale					
6.0	17.0	Sandstone			54.0	58.0	Sandstone			120.0	145.0	Sandstone					
17.0	30.0	Shale			58.0	62.0	Shale - brown			145.0	159.0	Shale					
30.0	50.0	Sandstone			62.0	98.0	Sandstone			159.0	165.0	Sandstone					
NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.				
BIT NO.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		
SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS			
SIZE		DOWN ON KELLY		TOTAL DEPTH		SIZE		DOWN ON KELLY		TOTAL DEPTH		SIZE		DOWN ON KELLY			
TYPE		MAKE		MUD RECORD		TYPE		MAKE		MUD RECORD		TYPE		MAKE			
MUD RECORD		MUD, ADDITIVES USED AND RECEIVED		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.	Time		WT.	Vis.		
1620		183.0		Shale		207.1	210.1	Shale		238.1	242.1	Shale		344.1			
183.0		189.1		Sandstone		210.1	230.1	Sandstone		242.1	244.1	Sandstone		344.1			
189.0		205.1		Shale		233.1	235.1	Shale		244.1	246.1	Shale		346.1			
205.0		207.0		Sandstone		235.1	238.1	Sandstone		246.1	248.1	Sandstone		348.1			
FROM		TO	TIME BREAKDOWN		FROM		TO	TIME BREAKDOWN		FROM		TO	TIME BREAKDOWN		TIME BREAKDOWN		
348.1		346.1	Shale gray		346.1		348.1	Shale gray		348.1		350.1	Shale gray		350.1		
346.1		350.1	Sandstone		350.1		352.1	Sandstone		352.1		354.1	Sandstone		354.1		
350.1		360.1	Shale		360.1		362.1	Shale		362.1		364.1	Shale		364.1		
360.1		370.1	Sandstone		370.1		372.1	Sandstone		372.1		374.1	Sandstone		374.1		
370.1		373.1	Shale		373.1		375.1	Shale		375.1		377.1	Shale		377.1		
373.1		430.0	Sandstone		430.0		432.0	Sandstone		432.0		434.0	Sandstone		434.0		
430.0		430.0	Sandstone		430.0		430.0	Sandstone		430.0		430.0	Sandstone		430.0		
REMARKS - 430.0 - T.D.		REMARKS -		REMARKS -		REMARKS -		REMARKS -		REMARKS -		REMARKS -		REMARKS -		REMARKS -	
11.26 hrs Aug 1st at 280'																	

SIGNED: Toolpusher

Jimmy Jones

Company Supervisor

931W

MW		gals/mol
16	C ₁	6.4
30	C ₂	12.7
44	C ₃	19.4
58	IC ₄	26.1
72	NC ₄	32.8
86	IC ₅	39.5
100	NC ₅	46.2
114	IC ₆	52.9
128	NC ₆	59.6
142	IC ₇	66.3

250 8
1.3
60 1.9 ✓
2.1
70 2.0 -
2.0
80 2.0 -
2.2

90 2.0 -
2.0

300 2.2 -
2.2

10 2.0 -
1.8

20 1.5 -
1.2

30 1.8 -
1.9

40 1.8 -
1.8

50 1.8 -
1.7

60 1.1
1.0

70 1.0
8

80 8
8

90 8
8

400 8 396 T.D.

10

20

Drilled 200'-
Hole Dry in A.M.
Damp at 258
Start inj at 280'

VENT PERF 145'

Slurry 41 Socks

1/3 50	1.9	3.7
2/3 40	1.8	3.4
3/3 30	2.2	3.8
4/3 20	1.5	2.8
5/3 10	2.0	3.6
6/3 00	2.1	3.8
7/2 90	2.4	3.7
8/2 80	2.4	4.2
9/2 70	2.2	3.4
10/2 60	2.5	3.7

MW		gals/mol
44	CO ₂	5.18
17	H ₂ O	3.77
28	N ₂	4.16
2	H ₂	3.18

10V

14 AMP = 0.71