

30045-20739

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. 29 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #218

cps 991w

Elevation 6798' Completion Date 9/19/75 Total Depth 460' Land Type* N/A

Casing, Sizes, Types & Depths 24' OF STEEL CASING

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. 190'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4400 lbs.

Depths anodes placed: 410', 400', 380', 370', 360', 350', 340', 320', 310', 250'

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: qdb #1

RECEIVED
MAY 31 1991
CON. DIV.
DIST. 3

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

Completion Date 9-19-75

Drilling Log (Attach Hereto). ☐

Well Name HUERFANO #218		Location NW29-26-10		CPS No. 991W	
Type & Size Bit Used 6 3/4				Work Order No. 54906	
Anode Hole Depth 460	Total Drilling Rig Time	Total Lbs. Coke Used 4400	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 410	# 2 400	# 3 380	# 4 370	# 5 360	# 6 350
# 7 340	# 8 320	# 9 310	# 10 250		
Anode Output (Amps)					
# 1 4.7	# 2 4.4	# 3 5.2	# 4 5.4	# 5 5.2	# 6 4.2
# 7 4.6	# 8 3.2	# 9 3.4	# 10 5.8		
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		No. 2 C.P. Cable Used	
Volts 13.0	Amps 17.5	Ohms 0.74	3790		

Remarks: *Wet at 190 - Start water injection at 205, Drilled 320' - Started to Cave 8' to 12' - went after casing Set 29' of Steel Pipe - went back in hole Blew water out at 200' - Vent Perforated 200'*

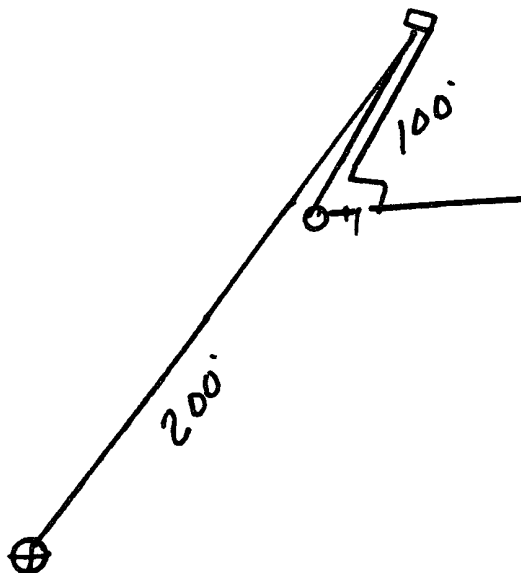
12hr

All Construction Completed

Areola

(Signature)

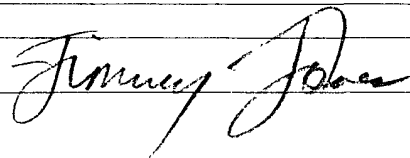
GROUND BED LAYOUT SKETCH



6798

LEASE		WELL NO. <u>991-W</u>		CONTRACTOR		RIG NO. <u>3971</u>		REPORT NO.		DATE <u>9-19-</u>		19 <u>75</u>																							
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.																			
00	12'	Sand				88'	98'	Shale					253'	Shale																					
12'	60'	Sandstone				98'	127'	Sandstone					258'	Sandstone																					
60'	74'	Shale				127'	130'	Shale					262'	Sandstone																					
74'	88'	Sandstone				130'	247'	Sandstone					267'	Shale																					
BIT NO. _____		NO. DC _____		SIZE _____		LENG. _____		BIT NO. _____		NO. DC _____		SIZE _____		LENG. _____		BIT NO. _____		NO. DC _____		SIZE _____		LENG. _____													
SERIAL NO. _____		STANDS _____		SINGLES _____		DOWN ON KELLY _____		TYPE _____		TOTAL DEPTH _____		MAKE _____		MUD RECORD _____		MUD, ADDITIVES USED AND RECEIVED _____		SERIAL NO. _____		STANDS _____		SINGLES _____		DOWN ON KELLY _____		TYPE _____		TOTAL DEPTH _____		MAKE _____		MUD RECORD _____		MUD, ADDITIVES USED AND RECEIVED _____	
Time		Wt.	Vis.																																
FROM		TO	TIME BREAKDOWN																																
272'		275'	Sandstone																																
275'		370'	Shale																																
370'		377'	Sandstone																																
377'		383'	Shale																																
383'		387'	Sandstone																																
387'		394'	Shale																																
REMARKS -						REMARKS -						REMARKS -																							
Damp at 130-140 Wt 140-158 Damp at 172-190 Wt 190-205 Inject at 205 to 460'																																			

SIGNED: Toolpusher



Company Supervisor

991W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 10.12
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	C ₆ 15.57
142	IC ₇ 17.2
156	C ₇ 17.46
170	C ₈ 19.77
184	C ₉ 19.64
198	C ₁₀ 21.67

MW	MISC
14	CO ₂ 0.34
28	N ₂ 4.16
42	C ₂ 5.38

200	.7	380	1.6	Wet at 190 Start inj at 205 Drilled 320- Surface Caved- Went after Gas Set 24' of Steel Gas Blew water out at 200 when Pipe Back in Hole
	.5		1.0	
10	.4	90	.8	
	.4		.6	
20	.4	400	1.4	
	.8		1.7	
30	.8	10	1.6	
	.9		1.6	
40	.9	20	1.8	
	1.0		1.8	
50	1.0	30	1.7	357.0
	1.0			
60	.9	40		
	.6			
70	.5	50		
	.5			
80	.6	60		
	.6			
90	.6			
	.6			
300	.5			1 410 20 4.7
	.6			2 400 1.9 4.4
10	1.2			3 380 2.1 5.2
	1.3			4 370 2.2 5.4
20	1.2			5 360 2.2 5.2
	.9			6 350 1.7 4.2
30	.7			7 340 2.0 4.6
	.7			8 320 1.4 3.2
40	1.5			9 310 1.4 3.4
	1.6			10 250 1.4 5.8
50	1.4			
	1.6			
60	1.8			
	1.9			
70	1.8			
	2.0			

$$13.0V / 17.5A = 0.74\Omega$$