

30-045-05830

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. 17 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #104

cps 972w

Elevation 6534' Completion Date 8/22/75 Total Depth 400' 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. WET AT 140'

Depths gas encountered: N/A

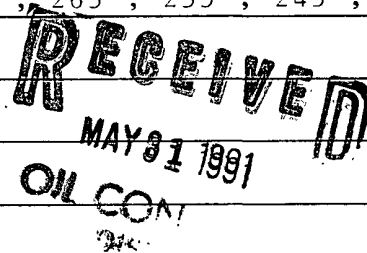
Type & amount of coke breeze used: 4300 lbs.

Depths anodes placed: 315', 305', 295', 285', 275', 265', 255', 245', 235', 22

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: g.b. #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

Logged

Drilling Log (Attach Hereto). ☐

Completion Date **8-22-75**

Well Name HUERFANO #104		Location SE 17 26-10		CPS No. 972 W	
Type & Size Bit Used 6-3/4				Work Order No. 53659	
Anode Hole Depth 400'	Total Drilling Rig Time	Total Lbs. Coke Used 4300	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 315	# 2 305	# 3 295	# 4 285	# 5 275	# 6 265
# 7 255	# 8 245	# 9 235	# 10 225		
Anode Output (Amps)					
# 1 4.4	# 2 4.8	# 3 4.6	# 4 4.9	# 5 4.2	# 6 4.6
# 7 3.2	# 8 3.8	# 9 3.5	# 10 3.9		
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 11.0	Amps 18.0	Ohms .61	2900'		

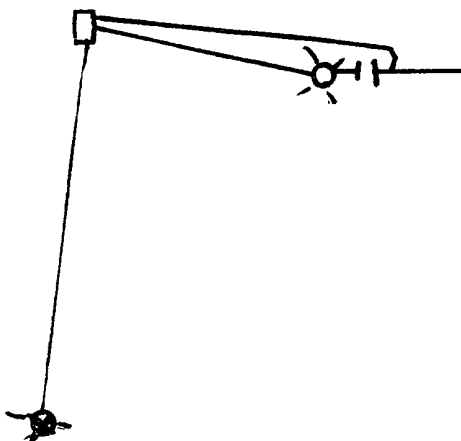
Remarks: **WET AT 140'-160'**
START INJECTION AT 160'
SLURRY 43 SACKS COKE
VENT PERFORATED 200'

g. h. v.

All Construction Completed

W. Hines
(Signature)

GROUND BED LAYOUT SKETCH



8-21-75 DAILY DRILLING REPORT

LEASE					WELL NO. 972-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'	12'	Sand			120'	180'	Sandstone			275'	285'	Sandstone																													
12'	20'	Claystone			180'	195'	Shale			285'	290'	Shale																													
20'	79'	Sandstone			195'	270'	Sandstone			290'	305'	Sandstone																													
79'	120'	Shale			270'	275'	Shale			305'	315'	Shale																													
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, 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																			
315'	317'	Sandstone								375'	377'	Sandstone																													
317'	335'	Shale								377'	380'	Shale																													
335'	342'	Sandstone								380'	385'	Sandstone																													
342'	345'	Shale								385'	390'	Shale																													
345'	370'	Sandstone								390'	400'	Sandstone																													
370'	375'	Shale								400'	-	TD																													
REMARKS -												REMARKS -												REMARKS -																	
Damp @ 75-99'																																									
120-140'																																									
wet at 140-160'																																									
Water at 140-160'																																									
Inject. at 160-400'																																									

SIGNED: Toolpusher

Jimmy Jones

Company Supervisor

972 W

53659

HUEFAND #104

VW	gas/mol
16 C ₂	6.4
10 C ₂	10.12
44 C ₂	10.42
18 C ₂	12.35
72 C ₂	11.93
72 C ₂	13.85
86 C ₂	13.71
86 C ₂	15.50
100 C ₂	15.57
100 C ₂	17.2
114 C ₂	17.46
114 C ₂	17.77
28 C ₂	9.64
42 C ₂	9.67

VW	MISC	gas/mol
44 CO ₂	0.35	
24 H ₂ O	0.77	
28 O ₂	1.16	
2 H ₂	1.38	

1	40	1.8	320	2.0	WET	140' to 160'
		1.8		1.6	IN 30 MIN WATER AT 140'	
	50	1.6	30	1.3	START INJECTION AT 160'	
		1.0		1.3	LOGGED 370'	
	60	1.0	40	1.6	NEXT AM 347' TD	
		1.9		2.0		
	70	0.9	50	2.0		
		1.6		2.0		
	80	1.8	60	2.1		
		1.8		2.1		
	90	1.8	70	2.1	TD	
		1.8				
2	00	1.8				
		1.6				
	10	1.4				
		0.9				
	20	0.9				
		1.4				
	30	1.7				
		1.6				
	40	1.6				
		1.6				
	50	1.6				
		1.6				
	60	1.6				
		1.7				
	70	1.8				
		1.9				
	80	1.8				
		1.9				
	90	2.0				
		2.1				
3	00	2.0				
		2.0				
	10	2.0				
		2.1				
			11.0 V	18.0 A	=	.61 Ω

1	315	2.1	4.4
2	305	2.1	4.8
3	295	2.1	4.6
4	285	2.8	4.9
5	275	2.5	4.2
6	265	2.5	4.6
7	255	2.1	3.2
8	245	2.1	3.8
9	235	2.1	3.5
10	225	2.2	3.9