

140-30-045-06080
248 30-045-21407

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. 5 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #140, NP #248

cps 905w

Elevation 6519' Completion Date 11/7/85 Total Depth 500' 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. 100' & 280' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 450', 440', 430', 420', 410', 400', 390', 360', 335', 300'

Depths vent pipes placed: 500' OF 1" PVC VENT PIPE

Vent pipe perforations: 500'

Remarks: gb #2

RECEIVED

MAY 31 1991

OIL CON

NP

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

Redrill

Drilling Log (Attach Hereto) ☒Completion Date 11-7-85

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
905-w	HUERFANO UNIT #140	54857.		☒ Good ☐ Bad
	HUERFANO UNIT #248	55597.		
Location:	Anode Size:	Anode Type:	Size Bit:	
NW5-26-9	2" x 60"	DURIRON	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
500'	493'			
Anode Depth				
# 1 450	# 2 440	# 3 430	# 4 420	# 5 410
# 6 400	# 7 390	# 8 360	# 9 335	# 10 300
Anode Output (Amps)				
# 1 4.9	# 2 5.4	# 3 6.1	# 4 6.2	# 5 5.4
# 6 4.5	# 7 4.7	# 8 4.3	# 9 4.0	# 10 5.1
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 11.9	Amps 24.0	Ohms .49	No. 2 C.P. Cable Used	

Remarks: DRILLER HIT WATER AT 100' & 280'. UNABLE TO GET
SAMPLE. HIT POSSIBLE WATER AGAIN AT 320'. STARTED
INJECTING WITH WATER AT 290'. DRILLED TO 500' LOGGED 493
INSTALLED 500' OF 1" PVC VENT PIPE, PERFORATED ALL
500' OF VENT PIPE

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: 7' x 3.00 = 21
 Extra Cable: 10' x .35 = 3.50
 Ditch & 1 Cable: 350' x 1.37 = 479.50

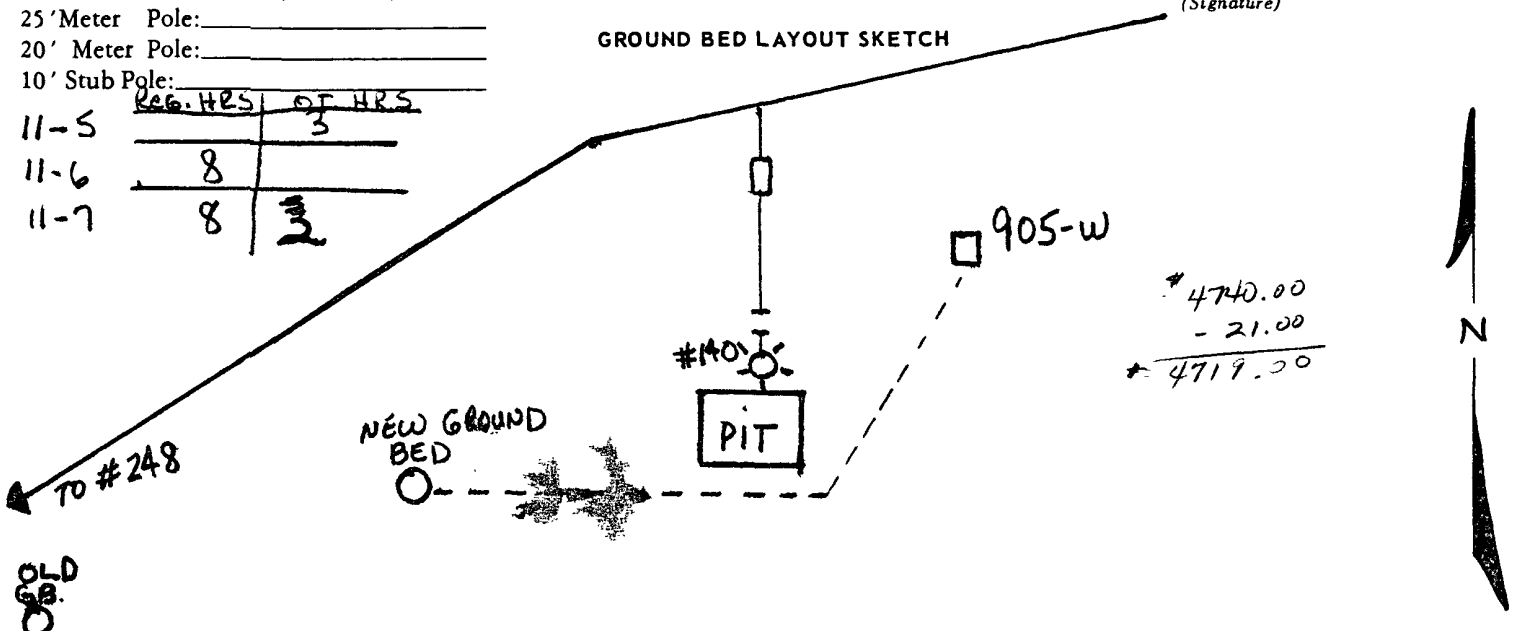
25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____

11-5 REG. HRS OF HRS
3
 11-6 8
 11-7 8 3

All Construction Completed

Michael R. Williams
 (Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

LEASE			WELL NO.			CONTRACTOR			RIG NO.			REPORT NO.			DATE			1985		
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	40	Sand																		
40	180	Sandy shale																		
180	400	Sand & shale																		
400	500	Shale																		
			NO. DC SIZE LENG.						NO. DC SIZE LENG.						NO. DC SIZE LENG.					
BI			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								
REMARKS -					REMARKS -					REMARKS -										
water @ 120 (very slight)																				
water @ 180 (1 gpm)																				
could not get a good water sample																				
Drill hole with bit																				

SIGNED: Toolpusher

____ Company Supervisor

EL PASO NATURAL GAS COMPANY
CONSTRUCTION LOGGING READINGS

CPS #: 905-W WELL NAME: HUEFFANO #140 HUEFFANO #248 LOCATION: NWS-26-9 DATE: 11-7-85

TOTAL VOLTS: 11.9 TOTAL AMPS: 24.0 OHMS RESISTANCE: .49

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.			COKE	COKE
5			185	2.1		365	2.1		545			①	450	2.5	4.9
10			190	2.3		370	1.5		550			②	440	2.4	5.4
15			195	2.3		375	1.3		555			③	430	2.7	6.1
20			200	2.4		380	1.5		560			④	420	2.7	6.2
25			205	2.3		385	1.6		565			⑤	410	2.7	5.4
30			210	2.4		390	2.0	⑦	570			⑥	400	2.4	4.5
35			215	2.2		395	2.3	⑧	575			⑦	390	2.4	4.7
40			220	2.1		400	2.1	⑥	580			⑧	360	2.3	4.3
45			225	1.9		405	2.2		585			⑨	335	2.2	4.0
50			230	1.6		410	2.3	⑤	590			⑩	300	2.5	5.1
55			235	1.5		415	2.6		595						
60			240	1.4		420	2.5	④	600						
65			245	1.5		425	2.5		605						
70			250	1.5		430	2.8	③	610						
75			255	1.6		435	2.6		615						
80			260	1.4		440	2.5	②	620						
85			265	1.1		445	2.4		625						
90			270	1.1		450	2.5	①	630						
95			275	1.0		455	2.1		635						
100			280	1.3		460	1.9		640						
105			285	1.2		465	1.5		645						
110	2.5		290	1.1		470	1.1		650						
115	2.5		295	1.6		475	1.8		655						
120	2.4		300	2.4	⑩	480	2.4		660						
125	2.2		305	2.2		485	2.6		665						
130	2.0		310	2.0		490	2.7		670						
135	2.0		315	1.2		495			675						
140	2.2		320	.7		500			680						
145	2.3		325	.7		505			685						
150	2.2		330	1.9		510			690						
155	2.1		335	2.1	⑨	515			695						
160	2.1		340	1.5		520			700						
165	2.0		345	1.2		525			705						
170	1.6		350	1.2		530			710						
175	2.0		355	1.8		535			715						
180	1.9		360	2.1	⑧	540			720						

REMARKS: Driller hit moisture at 100' & 280'. Started injecting 290'. Hit possible water also at 320' installed 500' of 1" PVC vent pipe penetrated all 500'