

3924

30045-26259

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL INC Location: Unit K Sec. 19 Twp 26 Rng 9Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #162E

CPS 1842w

Elevation 6545' Completion Date 8/31/87 Total Depth 440' 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. 190' SAMPLE TAKENDepths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 355', 345', 335', 325', 285', 275', 265', 245', 235'Depths vent pipes placed: N/AVent pipe perforations: 260'Remarks: ggb #1**RECEIVED**
MAY 31/1991
OIL 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

✓ COMP
9-2-87

Drilling Log (Attach Hereto) ☐

95:3770'

Completion Date 8-31-87

CPS #

Well Name, Line or Plant:

Work Order #

Static:

Ins. Union Check

1842W		Hurst: 162 E		- 8.5 N		☒ Good ☐ Bad	
K19-26-9		2" x 60"		Durion		6 3/4"	
Depth Drilled	440'	Depth Logged	382	Drilling Rig Time	6.615	Total Lbs. Coke Used	
Lost Circulation Mat'l Used		No. Sacks Mud Used					
Anode Depth	# 1 355	# 2 345	# 3 335	# 4 325	# 5 285	# 6 275	# 7 265
Anode Output (Amps)	# 1 5.7	# 2 5.0	# 3 5.4	# 4 5.2	# 5 5.5	# 6 5.9	# 7 5.2
Anode Depth	# 11	# 12	# 13	# 14	# 15	# 16	# 17
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15	# 16	# 17
Total Circuit Resistance	Volts 12	Amps 20.7	Ohms .58	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

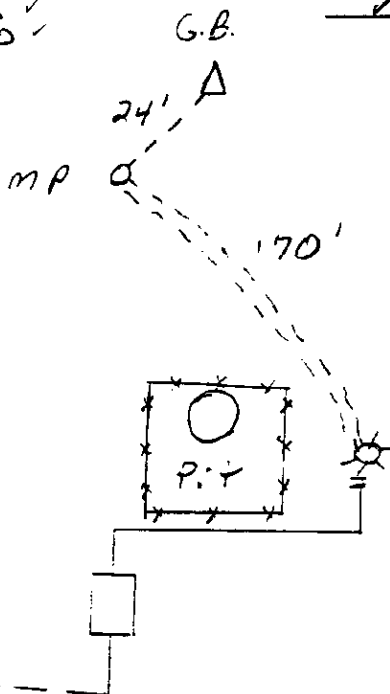
Remarks: Water was h.t. at 190 feet. Water sample was taken vent pipe is perforated up to 180 feet

Rectifier Size: 40 V 16 A 4300 V
 Add'l Depth: 118' 3822
 Depth Credit: 30' 7.50 V
 Extra Cable: 24' 7.36 V
 Ditch & 1 Cable: 170' 88.40 V
 Ditch & 2 Cable: 305 20
 25' Meter Pole:
 20' Meter Pole:
 10' Stub Pole:
 Junction Box: 40 20

4278.26
 X. 215.91
 = 4492.17

All Construction Completed

Randy Smith
 (Signature)



6545

MERIDIAN OIL
P. O. BOX 4289-Phone 327-0251
FARMINGTON, NM

Date 8-31-87

DEEP WELL GROUND BED LOG

Company

Meridian O. I.

Well No.

Location

Horsford 162 E

Volts Applied

12

Amperes

20-5

5					230	2.2					455	3.5	3.1	680	5.7		
10					235	2.2					460	3.4	2.9	685	5.0		
15					240	2.2					465	3.3	3.0	690	5.4		
20					245	2.2	x	2			470	3.2	2.6	695	5.2		
25					250	2.2					475	3.2	2.6	700	5.5		
30					255	2.3		2			480	3.2	3.2	705	5.9		
35					260	2.1					485	3.0	3.0	710	5.2		
40					265	2.0		17		x	490	3.2	3.2	715	5.7		
45					270	2.2					495	3.1	3.1	720	6.0		
50					275	2.1	x	6		x	500	3.2	3.2	725	5.7		
55					280	2.0					505			730			
60					285	2.0	x	5		x	510			735			
65					290	2.3					515			740			
70					295	.9					520			745			
75					300	.8					525			750			
80					305	.7					530			755			
85					310	2.0					535			760			
90					315	2.0	x				540			765			
95					320	2.0					545			770			
100					325	2.0	x	9			550			775			
105					330	2.1					555			780			
110					335	2.2	x	3			560			785			
115					340	2.0					565			790			
120					345	2.1	x	5			570			795			
125					350	2.1					575			800			
130					355	2.2	x	0			580			805			
135					360	2.2					585			810			
140					365	2.1					590			815			
145					370	2.0					595			820			
150					375	2.1					600			825			
155					380	3.2		5			605			830			
160					385						610			835			
165					390						615			840			
170					395						620			845			
175					400						625			850			
180	.9				405						630			855			
185	1.2				410						635			860			
190	1.1				415						640			865			
195	1.0				420						645			870			
200	.8				425						650			875			
205	2.0				430						655			880			
210	2.1				435						660			885			
215	1.9				440						665			890			
220	2.0				445						670			895			
225	2.1				450						675			900			

64054



CPS 1842 W

API WATER ANALYSIS REPORT FORM

Company	Meridian Oil Co.	Sample No.	4	Date Sampled	
Field		Legal Description		County or Parish	State
Lease or Unit	Well	Depth	Formation	Water, B/D	
Type of Water (Produced, Supply, etc.)	Produced	162E			
	Ground	bed	200'	Sampled By	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	454	19.7
Calcium, Ca	28.1	1.4
Magnesium, Mg	1	.1
Barium, Ba		

OTHER PROPERTIES

pH	8.11
Specific Gravity, 60/60 F.	8.80
Resistivity (ohm-meters)	125 F.
Conductivity	100

Total Dissolved Solids (calc.) 1600

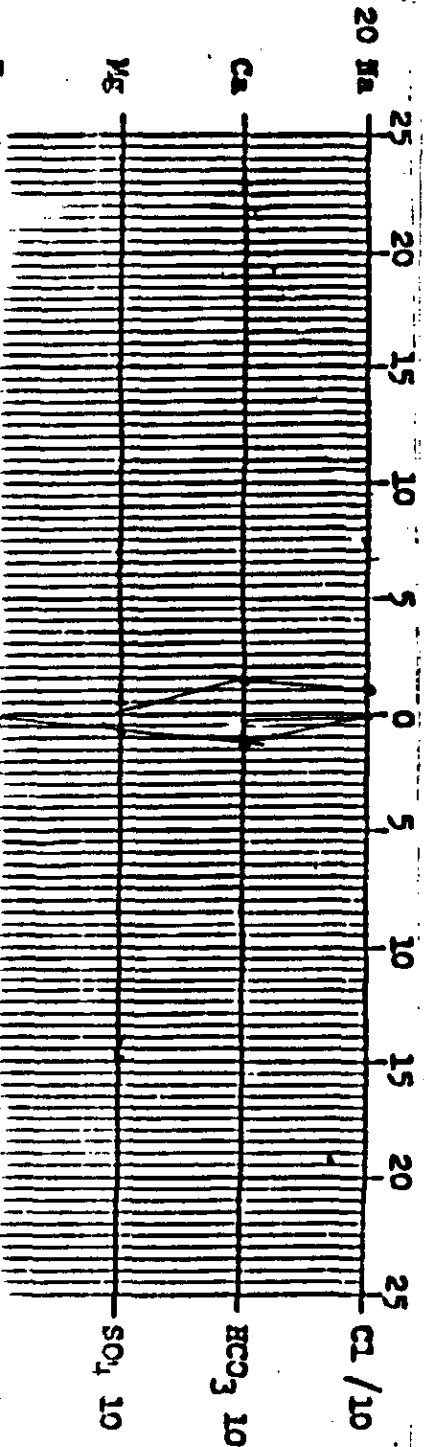
Iron, Fe (total) 0

Sulfide, as H₂S 0

ANIONS

Chloride, Cl	53.2	1.5
Sulfate, SO ₄	352	7.3
Carbonate, CO ₃	38.9	1.3
Bicarbonate, HCO ₃	676	11.1

REMARKS & RECOMMENDATIONS:



BURGE CORROSION SYSTEMS, INC.

**P.O. BOX 1359 - PHONE 334-6141
AZTEC, NEW MEXICO 87410**

aps 1842w

COMPANY Meridian DAILY DRILLING REPORT 8- 19

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Huerfano	162 E	19	26 N	9 W

WATER AT: 190 ft	FEET:	HOLE MADE: New bit 6 3/4 440 ft
---------------------	-------	------------------------------------

DESCRIPTION OF FORMATION

[illegible]

REMARKS: Water sample at 190 ft.

I sent Burn

Driller

Tool Dresser