

1089

E

30-045-26373

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 L Sec. 29 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #105E

cps 1825

Elevation 6056' Completion Date 9/29/87 Total Depth 280' 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. 50' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 180', 170', 160', 150', 140', 130', 120', 110', 95', 85'

Depths vent pipes placed: 270'

Vent pipe perforations: 200'

Remarks: gb #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

Drilling Log (Attach Here) ☒Completion Date 9-29-87

CPS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
1825-w	HUERFANO # 105-E		600' W = 80	☒ Good ☐ Bad
Location	Anode Size:	Anode Type:	Size Bit:	
L 29-27-10	2" x 60"	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
280'	265'			
Anode Depth				
# 1 180'	# 2 170'	# 3 160'	# 4 150'	# 5 140'
# 6 130'	# 7 120'	# 8 110'	# 9 95'	# 10 85'
Anode Output (Amps)				
# 1 5.8	# 2 6.7	# 3 6.6	# 4 6.9	# 5 5.9
# 6 6.2	# 7 6.0	# 8 6.2	# 9 5.8	# 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 11.7	Amps 20.2	Ohms .51	ELEVATION = 6056'	

Remarks: DRILLED TO 280'; LOGGED 265'. DRILLER SAID WATER
AT 50' CAUGHT SAMPLE. INSTALLED 270' OF 1" PVC VENT
PIPE. PERFORATED BOTTOM 200'

Rectifier Size: 40v 16 A
 Addn'l Depth: _____
 Depth Credit: 235' ✓
 Extra Cable: 30' ✓
 Ditch & 1 Cable: 20' ✓
 Ditch & 2 Cable: 115'
 25' Meter Pole: _____
 30' Meter Pole: 1
 30' Stop Pole: _____
 Location Box: 1

4300.00
 - 940.00 ✓
 7.50 ✓
 7.80 ✓
 59.80 ✓

295.50

40.00

3770.10

186.50

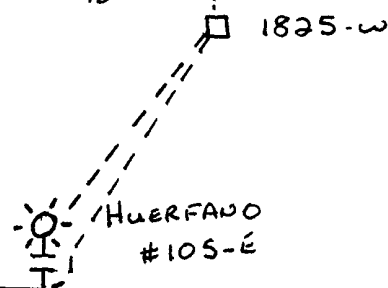
3956.60

6056

All Construction Completed

M. J. Williams

GROUND BED (Signature)



BURG CORROSION SYSTEMS, IC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 9-29-87

Company Meridian

Well No. H-105-E Location L-29-27-10 Volts Applied 11.7 Amperes 20

5				230	9			455				680				
10				235	7			460	①	130	3.2	685				
15				240	4			465	②	170	3.9	690				
20				245	4			470	③	160	4.3	695				
25				250	5			475	④	150	4.2	700				
30				255	6			480	⑤	140	4.0	705				
35				260				485	⑥	130	3.9	710				
40				265	TD 265'			490	⑦	120	3.9	715				
45				270				495	⑧	110	3.8	720				
50				275				500	⑨	105	3.8	725				
55				280	Drilled 280'			505	⑩	85	3.8	730				
60				285				510				735				
65				290	200' Per F			515				740				
70	33			295	Vent Pipe			520				745				
75	28			300				525				750				
80	29			305				530				755				
85	21		(10)	310				535				760				
90	22			315				540				765				
95	29		(9)	320				545				770				
100	22			325				550				775				
105	21			330				555				780				
110	27		(8)	335				560				785				
115	21			340				565				790				
120	29		(7)	345				570				795				
125	29			350				575				800				
130	29		(6)	355				580				805				
135	28			360				585				810				
140	29		(5)	365				590				815				
145	30			370				595				820				
150	26		(4)	375				600				825				
155	24			380				605				830				
160	27		(3)	385				610				835				
165	25			390				615				840				
170	24		(2)	395				620				845				
175	22			400				625				850				
180	21		(1)	405				630				855				
185	18			410				635				860				
190	12			415				640				865				
195	10			420				645				870				
200	9			425				650				875				
205	9			430				655				880				
210	9			435				660				885				
215	7			440				665				890				
220	7			445				670				895				
225	7			450				675				900				



CPS 1825W

API WATER ANALYSIS REPORT FORM

Company <u>MERIDIAN OIL CO.</u>		Sample No. <u>1</u>		Date Sampled <u>9/29/87</u>	
Field <u>Angel Peak</u>		Legal Description		County or Parish <u>San Juan</u>	State <u>NM</u>
Lease or Unit <u>Huerfano</u>	Well # <u>105 E</u>	Depth	Formation	Water, B/D	
Type of Water (Produced, Supply, etc.) <u>Ground Red</u>		Sampling Point <u>50</u>		Sampled By <u>MW</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>7860</u>	<u>342</u>
Calcium, Ca	<u>573</u>	<u>28.6</u>
Magnesium, Mg	<u>72.9</u>	<u>6.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.17</u>
Specific Gravity, 60/60 F.	<u>1.0198</u>
Resistivity (ohm-meters) <u>72 F.</u>	<u>6120 cm</u>
conductivity	<u>16000 μMHos</u>

Total Dissolved Solids (calc.)

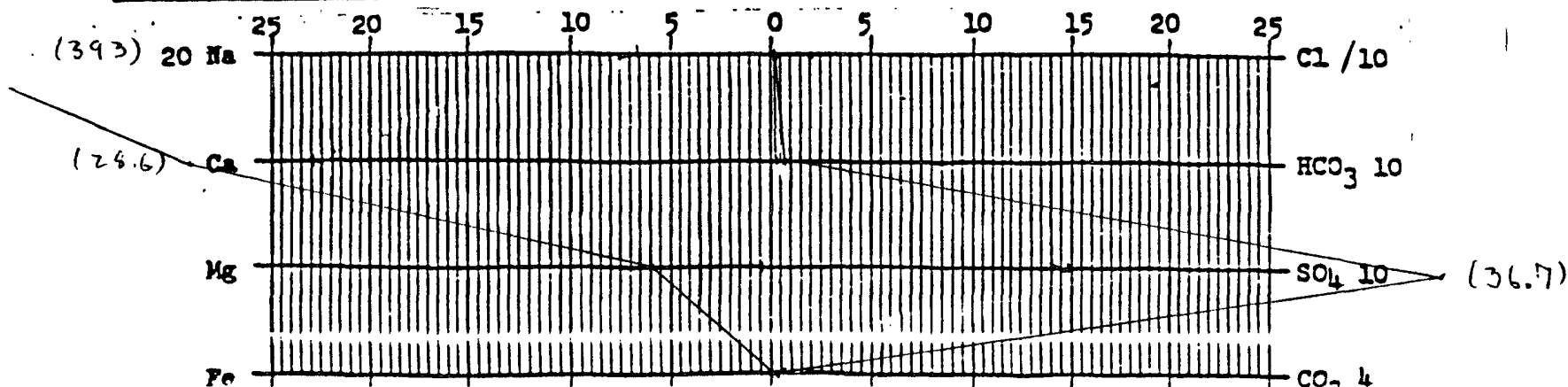
26600

ANIONS

Chloride, Cl	<u>78</u>	<u>2.0</u>
Sulfate, SO ₄	<u>17600</u>	<u>36.7</u>
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<u>408</u>	<u>7.0</u>

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



CPS 1825W

Sam F. Brown Driller Tool Dresser