

1684

E

30-045-26678

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. 29 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #219E

cps 1965w

Elevation 6539' Completion Date 6/20/88 Total Depth 405' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF SURFACE 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. 100' NO SAMPLE

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

**IL CON. DIV.
DIST. 3**

Type & amount of coke breeze used: N/A

Depths anodes placed: 345', 335', 325', 290', 280', 265', 145', 135', 125', 115'

Depths vent pipes placed: 405'

Vent pipe perforations: 300'

Remarks: gb #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.

1185

E

30-045-26281

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 NE Sec. 29 Twp 26 Rng 10

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

cps 1860w

Elevation 6540' Completion Date 8/13/87 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. 160' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 350', 340', 330', 320', 310', 280', 245', 230', 220', 210'

Depths vent pipes placed: 395'

Vent pipe perforations: 340'

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

COMP
8-14-87

Drilling Log (Attach Hereto) ☐Completion Date 8/13/87

mate 95-749 01

Elev. -6540'

CPS # _____ Well Name, Line or Plant: _____ Work Order # _____ Static: _____ Ins Union Check _____

1860 W		Huerfano UNIT 218E		B 29-26-10		.78V		E		☒ Good ☐ Bad	
Location: NE 29-26-10		Anode Size: 2" X 60"		Anode Type: Durion		Size Bit: 6 3/4"					
Depth Drilled: 400		Depth Logged: 395		Drilling Rig Time:		Total Lbs. Coke Used:		Lost Circulation Mat'l Used:		No. Sacks Mud Used:	
Anode Depth		#1 350		#2 340		#3 330		#4 320		#5 310	
Anode Output (Amps)		#1 4.0		#2 3.6		#3 4.2		#4 4.3		#5 2.9	
Anode Depth		#6 280		#7 245		#8 230		#9 220		#10 210	
Anode Output (Amps)		#6 4.8		#7 3.0		#8 5.9		#9 4.7		#10 4.3	
Anode Depth		#11		#12		#13		#14		#15	
Anode Output (Amps)		#11		#12		#13		#14		#15	
Anode Depth		#16		#17		#18		#19		#20	
Anode Output (Amps)		#16		#17		#18		#19		#20	
Total Circuit Resistance		Volts 11.74		Amps 18.1		Ohms .65		No. 8 C.P. Cable Used:		No. 2 C.P. Cable Used:	

Remarks: WATER AT 160', (TOOK WATER SAMPLE) MORE WATER
AT 195'. INSTALLED 395' of 1" P.V.C. VENT PIPE PERFORATED
340'.

G.B. \$4300.00

Rectifier Size: 40V 16A P.P.

Addn'l Depth

Depth Credit: -105' ✓

Extra Cable: 150' ✓

Ditch & 1 Cable: 190' ✓

Ditch & 2 Cable: 120' ✓

25' Meter Pole: -

20' Meter Pole: -

10' Stub Pole: 1

Junction Box: 1

-420.00 ✓
37.50 ✓
74.10 ✓
62.40 ✓

150.00 ✓

40.00 ✓

set 20' of 8" P.V.C. casing 440.00 ✓

4684.00

TAX

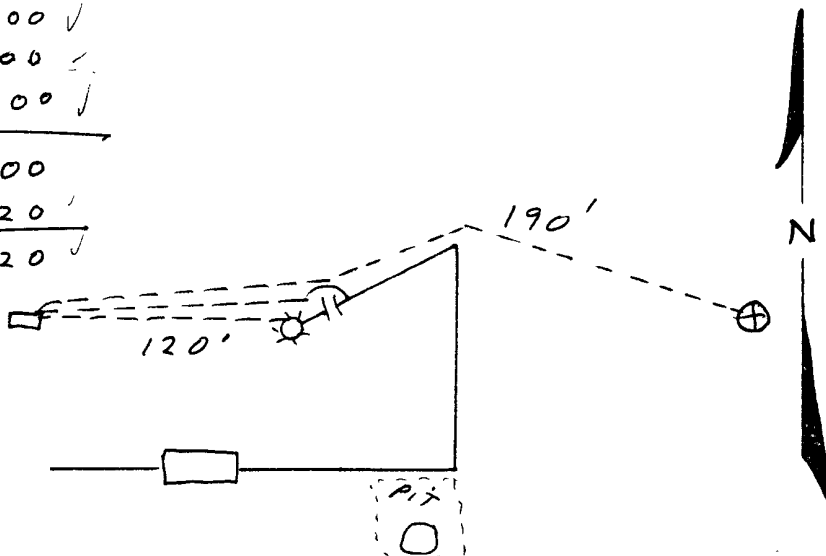
234.20 ✓

TOTAL

\$4918.20 ✓

All Construction Completed

JE Stoltz
(Signature)



6540

MERIDIAN OIL

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

Date 8/13/87

DEEP WELL GROUND BED LOG

CPS * 1860 W

Company Meridian Oil

Well No. HARLANO 218 Location NE 29-26-10

Volts Applied 11.74 Amperes 18.1

5		230	1.8 - ⑧	455		680	
10		235	1.2	460		685	
15		240	1.1	465		690	
20		245	1.4 - ⑦	470		695	
25		250	.9	475		700	
30		255	.7	480		705	
35		260	.4	485		710	
40		265	.3	490		715	
45		270	.7	495		720	
50		275	1.3	500		725	1-350-2.8-4.0
55		280	1.5 - ⑥	505		730	2-340-2.7-3.6
60		285	1.2	510		735	3-330-2.4-4.2
65		290	1.2	515		740	4-320-2.3-4.3
70		295	.4	520		745	5-310-1.7-2.9
75		300	.8	525		750	6-280-2.9-4.8
80		305	1.1	530		755	7-245-2.1-3.0
85		310	1.6 - ⑤	535		760	8-230-2.8-5.9
90		315	1.6	540		765	9-220-2.7-4.7
95		320	1.7 - ④	545		770	10-210-2.8- 4.3
100		325	2.1	550		775	4.3
105		330	2.3 - ③	555		780	
110		335	2.5	560		785	
115		340	2.1 - ②	565		790	
120		345	2.4	570		795	
125		350	2.4 - ①	575		800	
130		355	2.0	580		805	
135		360	1.0	585		810	
140		365	1.0	590		815	
145		370	.8	595		820	
150		375	.9	600		825	
155		380	1.1	605		830	
160	WATER	385	1.0	610		835	
165		390	.9	615		840	
170		395	T.D.	620		845	
175		400	Drilled To	625		850	
180	1.0	405		630		855	
185	1.0	410		635		860	
190	1.0	415		640		865	
195	.4	420		645		870	
200	.8	425		650		875	
205	1.4	430		655		880	
210	1.6 - ⑩	435		660		885	
215	1.4	440		665		890	
220	1.8 - ⑨	445		670		895	
		450		675		900	

San Juan

1860w

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
H Merfano	218 E	29	26	104 ✓

FEET:

HOLE MADE:

160

$\frac{1}{2}$ GPM

FROM	TO	FORMATION IS	COLOR
0	60	sand	
60	120	shale	
120	180	sand	
180	260	shale	
260	300	sandy shale	
300	380	shale	
380	400	sand	
20 feet 8" casing			
TD- 395			

REMARKS:

Driller

Tool Dresser

API WATER ANALYSIS REPORT FORM

Company <u>MERIDIAN OIL COMPANY</u>		Sample No. <u>3</u>	Date Sampled
Field <u>Ballard</u>	Legal Description	County or Parish <u>San Juan</u>	State <u>N.M.</u>
Lease or Unit	Well <u>Huerfano 218 E</u>	Depth <u>160'</u>	Formation
Type of Water (Produced, Supply, etc.)		Sampling Point <u>160'</u>	Water, B/D
			Sampled By <u>JS</u>

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	713	31
Calcium, Ca	2.4	0.1
Magnesium, Mg	0	
Barium, Ba		

ANIONS

Chloride, Cl	21.3	0.6
Sulfate, SO ₄	26.8	5.6
Carbonate, CO ₃	26.0	0.9
Bicarbonate, HCO ₃	1480	24
Hydroxide, OH	0	0

OTHER PROPERTIES

pH	<u>9.89</u>
Specific Gravity, 60/60 F.	<u>1.0043</u>
Resistivity (ohm-meters) <u>73° F.</u>	<u>10.0</u>
Conductivity	<u>1000 µmho</u>

Total Dissolved Solids (calc.)

2510

Iron, Fe (total)

0

Sulfide, as H₂S

0

REMARKS & RECOMMENDATIONS:

