

#202 E

30-045-262803937

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. 28 Twp 26 Rng 20

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #202E

cps 1855w

Elevation 6632w Completion Date 8/14/87 Total Depth 440' 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: 405', 395', 385', 375', 365', 320', 310', 300', 290', 283', 275'

Depths vent pipes placed: 430'

Vent pipe perforations: 300'

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 8/14/87

CPS #		Well Name, Line or Plant:		Work Order #		Flev. 6632'		Ins. Union Check	
1855W		HURFANO UNIT "202E"				.75V		☒ Good ☐ Bad	
Location: L		Anode Size:		Anode Type:		Size Bit:			
SW 28-26-10		2" x 60"		Durion		6 3/4"			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
440		430							
Anode Depth									
# 1	405	# 2	395	# 3	385	# 4	375	# 5	365
# 6	320	# 7	310	# 8	300	# 9	290	# 10	283
Anode Output (Amps)									
# 1	5.7	# 2	6.5	# 3	4.3	# 4	4.7	# 5	5.7
# 6	2.7	# 7	5.4	# 8	4.5	# 9	4.3	# 10	5.8
Anode Depth									
# 11	275	# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Anode Output (Amps)									
# 11	4.1	# 12		# 13		# 14		# 15	
# 16		# 17		# 18		# 19		# 20	
Total Circuit Resistance									
Volts 11.5		Amps 19.7		Ohms .58		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: WATER AT 160' (Took water sample) more WATER AT 250'.

INSTALLED 430' of 1" P.V.C. VENT pipe Perforated 300'.

"6 anode sand in, We installed "11 to make 10. anodes covered with cake breeze

G.B. \$4300.00 -

Rectifier Size: 40 V 16 A P.P.

Add'l Depth

Depth Credit: -70

Extra Cable: 160' ✓

Ditch & 1 Cable: 185' ✓

Ditch & 2 Cable: 130' ✓

25' Meter Pole: -

20' Meter Pole: -

10' Stub Pole: 1

Junction Box: 1

-280.00 ✓

40.00 ✓

72.15 ✓

67.60 ✓

150.00 ✓

40.00 ✓

41020.00

4389.75

set 20 of 8" P.V.C. casing 440.00

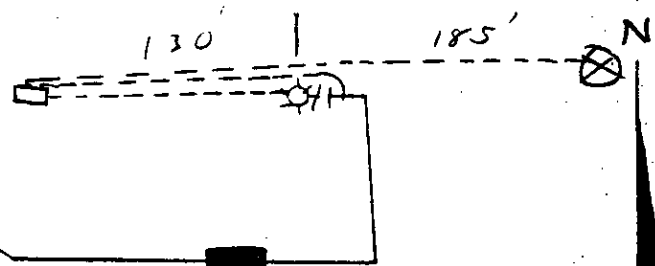
4829.75

TAX 241.49

TOTAL \$5071.24

All Construction Completed

(Signature)



6632

MERIDIAN OIL

P. O. BOX 4289-Phone 327-0251

FARMINGTON, NM

Date 8/14/87

DEEP WELL GROUND BED LOG

CPS 1855 W

Company Meridian Oil

Well No. Huerfano 202 E Location SW 28-26-10

Volts Applied 11.5

Amperes 19.7

5		230	.5	455		680	
10		235	.7	460		685	
15		240	.5	465		690	
20		245	.4	470		695	
25		250	.5 WATER	475		700	
30		255	.6	480		705	
35		260	1.0	485		710	
40		265	.4	490		715	
45		270	.9	495		720	
50		275	2.0 - (7)	500		725	1-405-2.7-5.7
55		280	2.5 - (1)	505		730	2-395-3.0-6.5
60		285	2.7	510		735	3-385-2.9-4.3
65		290	2.8 - (9)	515		740	4-375-2.8-4.7
70		295	2.7	520		745	5-365-3.0-5.7
75		300	2.7 - (8)	525		750	6-320-2.5-2.7
80		305	2.6	530		755	7-310-2.9-5.4
85		310	3.1 - (7)	535		760	8-300-2.8-4.5
90		315	2.6	540		765	9-290-2.9-4.3
95		320	2.5 - (6)	545		770	10-280-3.0-5.8
100		325	2.2	550		775	11-275-3.0-4.1
105		330	2.1	555		780	
110		335	2.1	560		785	
115		340	2.1	565		790	
120		345	1.9	570		795	
125		350	1.8	575		800	
130		355	1.3	580		805	
135		360	2.1	585		810	
140		365	2.9 - (5)	590		815	
145		370	2.8	595		820	
150		375	2.8 - (14)	600		825	
155		380	2.3	605		830	
160	WATER	385	2.9 - (3)	610		835	
165		390	2.7	615		840	
170		395	2.8 - (2)	620		845	
175		400	2.8	625		850	
180		405	2.5 - (1)	630		855	
185		410	2.6	635		860	
190		415	2.4	640		865	
195		420	2.2	645		870	
200	.5	425	1.8	650		875	
205	1.1	430	TD	655		880	
210	.5	435		660		885	
215	.4	440	Drilled To	665		890	
220	.2	445		670		895	
225	.2	450		675		900	



185522

API WATER ANALYSIS REPORT FORM

Company	MERIDIAN OIL COMPANY		Sample No.	2	Date Sampled	8-14-87
Field	Ballard	Legal Description	County or Parish		Starr	M.
Lease or Unit	Well	Hubertano #202E	Depth	160'	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)	Sampling Point	160'	Sampled By		J.E.	

DISSOLVED SOLIDS

CATIONS
Sodium, Na (calc.)
Calcium, Ca
Magnesium, Mg
Barium, Ba

mg/l
708
3.4
0
0

me/l
30.8
0.1
0
0

OTHER PROPERTIES

pH
Specific Gravity, 60/60 F.
Resistivity (ohm-meters) 73 F.
Conductivity

9.35
10.0
1000 μ mho

Total Dissolved Solids (calc.) 2500

Iron, Fe (total)
Sulfide, as H₂S

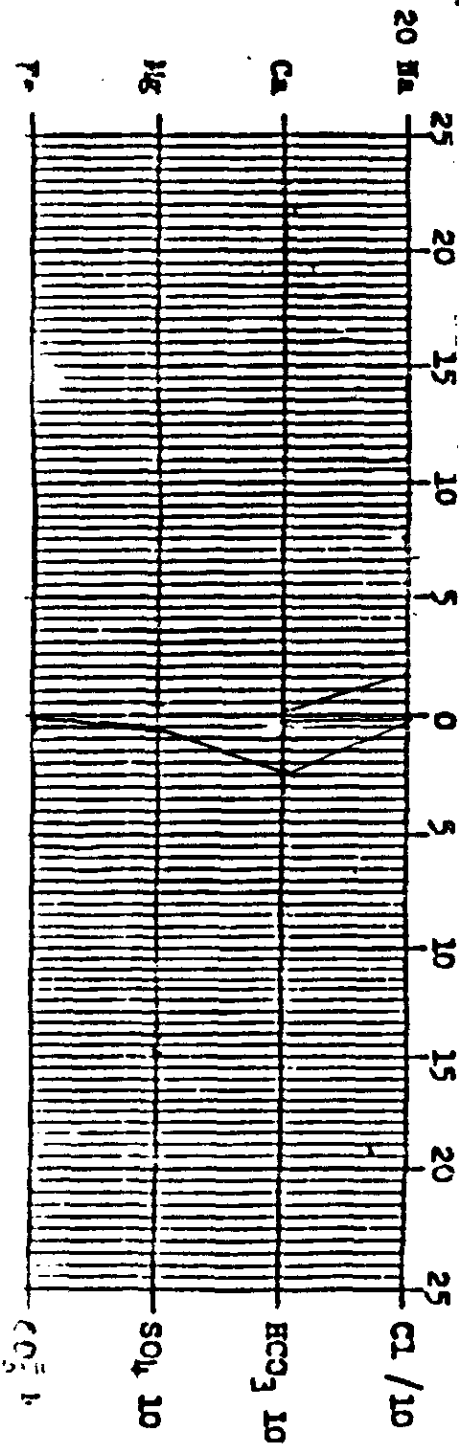
REMARKS & RECOMMENDATIONS:

ANIONS

Chloride, Cl
Sulfate, SO₄
Carbonate, CO₃
Bicarbonate, HCO₃
Hydroxide, OH

21.3
158
26.0
1480
0

0.6
5.4
0.9
24
0



1855w

San Juan

COMPANY

Meridian

DAILY DRILLING REPORT

19

RANGE:

Huerfano WA

202E

28

26 N

10 u✓

WATER AT:

FEET:

HOLE MADE:

160

5

FROM

TO

FORMATION IS

COLOR

0

80

FORMATION IS
Sand
Sandstone Shale

80

140

and

140

\$200

John

200

260

Shade
house

260

300

gaining more
shale

300

440

TD-430

REMARKS:

Driller

Tool Dresser