

1198

E

30-039-23856

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 E Sec. 15 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #88M

cps 1890w

Elevation 6667' Completion Date 6/23/87 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths 3' OF 8" 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. 80' & 130' SAMPLE TAKEN

Depths gas encountered: N/A

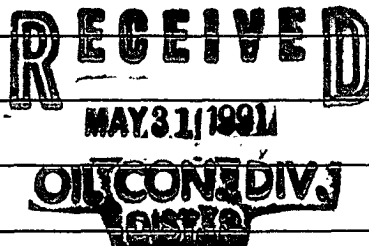
Type & amount of coke breeze used: N/A

Depths anodes placed: 350', 340', 330', 275', 265', 255', 245', 195', 185', 175'

Depths vent pipes placed: 390'

Vent pipe perforations: 320'

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.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

NO. 4565101

OR 4565201

MOON VAL

Drilling Log (Attach Hereto) ☐

Completion Date 6-23-87

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1890W 1897W	28-5 #88M	A 6844	.91 J.W.	☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size: Bit:	
E-15-28-5	2" X 60"	Duriron	6 3/4"	
Depth Drilled:	Depth Logged:	Drilling Rig Time:	Total Lbs. Coke Used:	Lost Circulation Mat'l Used:
400'	390'			
Anode Depth:				
#1 350	#2 340	#3 330	#4 275	#5 265
#6 255	#7 245	#8 195	#9 185	#10 175
Anode Output (Amps):				
#1 4.0	#2 3.5	#3 3.5	#4 4.7	#5 5.6
#6 5.6	#7 4.2	#8 3.9	#9 4.5	#10 4.2
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 21.0	Ohms .56		

Remarks: HIT WATER AT 80 & 130', INSTALLED 390' of 1" P.V.C. VENT PIPE
PERFORATED 320'. WE SET 3 FT. OF CASING IN TOP OF HOLE, TO PREVENT
IT FROM WASHING OUT.

Rectifier Size: 40 V 16 A \$750.00

Addn'l Depth: _____

Depth Credit: -110' -440.00

Extra Cable: 30' 7.50

Ditch & 1 Cable: 20' 11.70

Ditch & 2 Cable: 168' 87.36

25' Meter Pole: _____

20' Meter Pole: _____

10' Stub Pole: 1 150.00

Junction Box: 1 40.00

4906.56

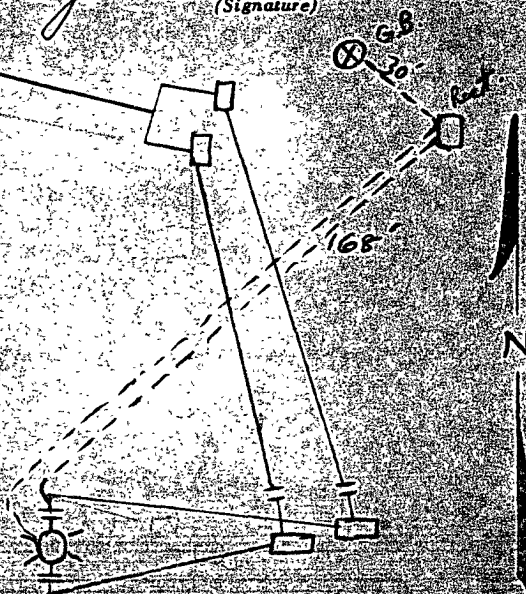
TAX 245.33

TOTAL \$5151.89

6.0
4300.00
-440.00
\$3860.00

All Construction Completed

(Signature)



BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 6-1-87

CPS 18.77 ✓

Company Menden

Well No. 11-28-5 88m Location E-15-28-5

Volts Applied 11.7

Amperes 21.0

5		230	.6	455		680	
10		235	.7	460		685	
15		240	1.0	465		690	
20		245	1.4 - ⑦	470		695	
25		250	1.7 - ⑥	475		700	
30		255	1.8 - ⑥	480		705	
35		260	1.7 - ⑤	485		710	
40		265	1.8 - ⑤	490		715	
45		270	1.5 - ④	495		720	
50		275	1.3 - ④	500		725	
55		280	.8	505		730	
60		285	.5	510		735	
65		290	.5	515		740	
70		295	1.2	520		745	
75		300	1.0	525		750	
80	WATER	305	.4	530		755	
85		310	.3	535		760	
90		315	.3	540		765	
95		320	.3	545		770	
100		325	.7	550		775	
105		330	1.5 - ③	555		780	
110		335	1.3	560		785	
115		340	1.4 - ②	565		790	
120		345	1.8	570		795	
125		350	1.7 - ①	575		800	
130	WATER	355	1.3	580		805	
135	28	360	1.2	585		810	
140	27	365	1.1	590		815	
145	29	370	.3	595		820	1-350-2.1-3.0
150	47	375	.8	600		825	2-340-1.5-3.5
155	5	380	.5	605		830	3-330-1.6-3.5
160	5	385	.7	610		835	4-275-2.0-4.7
165	9	390	TD	615		840	5-265-2.3-5.6
170	1.1	395		620		845	6-245-2.2-5.6
175	1.4 - ⑩	400	Drilled To	625		850	7-245-1.8-4.2
180	1.5	405		630		855	8-195-2.0-3.9
185	1.5 - ⑨	410		635		860	9-185-2.2-4.5
190	1.6	415		640		865	10-175-2.2-4.2
195	1.6 - ⑧	420		645		870	
200	1.1	425		650		875	
205	1.1	430		655		880	
210	1.1	435		660		885	
215	1.2	440		665		890	
220	.7	445		670		895	
225	.2	450		675		900	

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

CPS 1890 W

DAILY DRILLING REPORT

June 23

87

19

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
San Juan 28-5	88M	28	28	5

WATER AT:

FEET:

HOLE MADE:

125'

400'

DESCRIPTION OF FORMATION

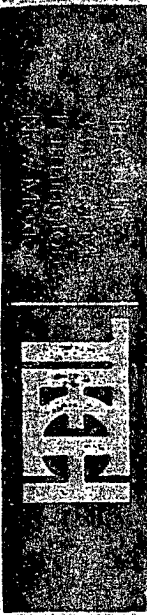
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REMARKS: Set 2.5' 8" plastic casing on the surface due to crumbling sandstone.

Brian E. Burgess

Driller

Tool Dresser



API WATER ANALYSIS REPORT FORM

Company <u>Meridian Oil Co.</u>		Sample No.		Date Sampled	
Field <u>Gobernador</u>	Legal Description <u>E-15-28-5</u>	County <u>Parish</u>		State <u>N.M.</u>	
Lease or Unit	Well <u>28-5</u>	Depth	Formation	Water, B/D	
Type of Water (Produced, Supply, etc.)		Sampling Point	Sampled By		
		<u>80-100</u>	<u>J.S.</u>		

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>278</u>	<u>12.1</u>
Calcium, Ca	<u>6</u>	<u>3</u>
Magnesium, Mg		
Barium, Ba		

ANIONS

Chloride, Cl	<u>0</u>	<u>0</u>
Sulfate, SO ₄	<u>325</u>	<u>6.4</u>
Carbonate, CO ₃	<u>21</u>	
Bicarbonate, HCO ₃	<u>328</u>	<u>5.3</u>
Hydroxide, OH		

Total Dissolved Solids (calc.) 944

Iron, Fe (total)
Sulfide, as H₂S 0

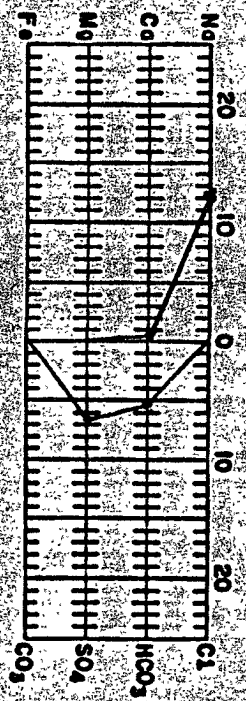
REMARKS & RECOMMENDATIONS:

OTHER PROPERTIES

pH 9.02
Specific Gravity, 60/60 F. 1.0248
Resistivity (ohm-meters) 70 F. 11.0

WATER PATTERNS — me/l

STANDARD



LOGARITHMIC

