

1162

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30-039-23729

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 D Sec. 22 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #30A

cps 1883w

Elevation 6682' Completion Date 6/23/87 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: 225', 215', 205', 195', 185', 175', 160', 150', 140', 120'

Depths vent pipes placed: 273'

Vent pipe perforations: 240'

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  
7-17-87  
JD

Drilling Log (Attach Hereto)

meter code 9555001 Completion Date 6-23-87

CPS # 1883 W 1890-W	Well Name, Line or Plant: L.J. 28-5 #30A	Work Order # # 6726	Static: .925	Ins. Union Check <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad						
Location D-22-28-5	Anode Size: 2" x 60"	Anode Type: Dunston	Size Bit: 6 3/4"							
Depth Drilled 280'	Depth Logged 273'	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used						
Anode Depth	# 1 225'	# 2 215'	# 3 205'	# 4 195'	# 5 185'	# 6 175'	# 7 160'	# 8 150'	# 9 140'	# 10 120'
Anode Output (Amps)	# 1 4.1	# 2 3.3	# 3 5.5	# 4 4.0	# 5 4.6	# 6 3.5	# 7 3.8	# 8 3.9	# 9 3.5	# 10 4.6
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	Volts 12.32		Amps 15.5		Ohms .80		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

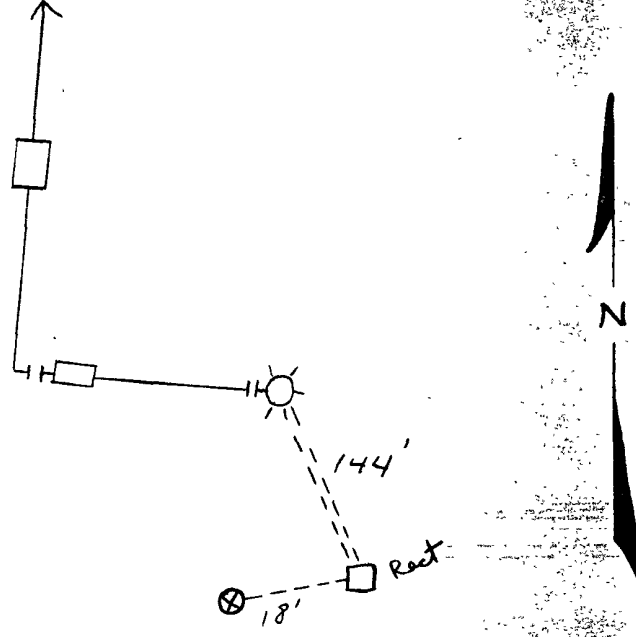
Remarks: Hit water at 50', took water sample, installed 273' of  
PVC vent pipe, perforated 240' of vent pipe.  
Drilled 280', logged 273'.

4300.00 G.B. cost.

Rectifier Size: <u>40 V 16 A</u>	750.00
Add'l Depth	
Depth Credit: <u>227'</u>	- 908.00
Extra Cable: <u>30'</u>	7.50
Ditch & 1 Cable: <u>18'</u>	7.02
Ditch & 2 Cable: <u>144'</u>	74.88
25' Meter Pole: <u>1</u>	305.00
20' Meter Pole:	
10' Stub Pole:	
Junction Box: <u>1</u>	40.00
	<u>4576.40</u>
	<u>74.22882</u>
Total:	<u>4805.22</u>

All Construction Completed

Jayle S. Ehrlich  
(Signature)



6682

# BURGL CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUNDBED LOG

Date 6-23-87

Company Meredian

Well No. 28-530A

Location D-22-28-5

Volts Applied 12.3

Amperes 15

5		230	1.6	455		680	Hit water at
10		235	1.1	460		685	50' depth
15		240	.8	465		690	240' depth
20		245	.5	470		695	vent pipe
25		250	.4	475		700	
30		255	.9	480		705	
35		260	2.3	485		710	
40		265	1.9	490		715	
45		270	2.3 T.P.	495		720	
50	Water	275		500		725	
55		280	Drilled to	505		730	
60	1.8	285		510		735	
65	2.0	290		515		740	
70	3.3	295		520		745	
75	2.8	300		525		750	
80	3.0	305		530		755	
85	3.4	310		535		760	
90	3.1	315		540		765	
95	3.9	320		545		770	
100	3.2	325		550		775	
105	3.1	330		555		780	
110	3.2	335		560		785	
115	3.1	340		565		790	
120	3.0 - (6)	345		670		795	
125	2.2	350		575		800	
130	1.1	355		580		805	
135	2.0	360		585		810	
140	2.4 - (8)	365		590		815	
145	1.3	370		595		820	
150	2.8 - (8)	375		600		825	
155	2.5	380		605		830	
160	2.3 - (7)	385		610		835	
165	1.4	390		615		840	
170	1.8	395		620		845	(1) 2.25 2.1 → 4.1
175	2.4 - (6)	400		625		850	(2) 2.15 2.1 → 3.3
180	3.0	405		630		855	(3) 2.05 3.7 → 5.5
185	3.0 - (5)	410		635		860	(4) 1.95 2.2 → 4.0
190	2.0	415		640		865	(5) 1.85 3.0 → 4.6
195	2.1 - (4)	420		645		870	(6) 1.75 2.7 → 3.5
200	3.0	425		650		875	(7) 1.60 2.5 → 3.8
205	3.3 - (3)	430		655		880	(8) 1.50 2.8 → 3.7
210	2.1	435		660		885	(9) 1.40 2.6 → 3.6
215	2.1 - (2)	440		665		890	(10) 1.30 2.2 → 4.6
220	2.2	445		670		895	
225	2.0 - (1)	450		675		900	





CPS 1883 W

API WATER ANALYSIS REPORT FORM

Company <i>Meridian Oil Co.</i>		Sample No. <i>1</i>	Date Sampled <i>6-23-87</i>
Field <i>Gobernador</i>	Legal Description <i>D-22-28-5</i>	County or Parish <i>Rio Arriba</i>	State <i>NM</i>
Lease or Unit	Well <i>S.J. 28-5 #30A</i>	Depth <i>50'</i>	Formation <i>Max Verde</i>
Type of Water (Produced, Supply, etc.)	Sampling Point <i>G.B.</i>	Sampled By <i>J.E.</i>	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>214</u>	<u>9.3</u>
Calcium, Ca	<u>2</u>	<u>1</u>
Magnesium, Mg	<u>0</u>	<u>0</u>
Barium, Ba	<u>    </u>	<u>    </u>
<u>    </u>	<u>    </u>	<u>    </u>

ANIONS

Chloride, Cl	<u>0</u>	<u>0</u>
Sulfate, SO <sub>4</sub>	<u>210</u>	<u>4.3</u>
Carbonate, CO <sub>3</sub>	<u>3</u>	<u>0.1</u>
Bicarbonate, HCO <sub>3</sub>	<u>303</u>	<u>5.0</u>
<u>Hydroxide</u>	<u>0</u>	<u>0</u>

Total Dissolved Solids (calc.) 729

Iron, Fe (total)       
Sulfide, as H<sub>2</sub>S 0

REMARKS & RECOMMENDATIONS:

OTHER PROPERTIES

pH	<u>9.34</u>
Specific Gravity, 60/60 F.	<u>1.0045</u>
Resistivity (ohm-meters) <u>70°</u> F.	<u>13.4</u>
<u>    </u>	<u>    </u>
<u>    </u>	<u>    </u>

WATER PATTERNS — me/l

