

1169

#23A 30-039-23870

5

#110E 30-039-23699

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 NW Sec. 2 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #110E, #23A
cps 1876w

Elevation 6741' Completion Date 7/20/87 Total Depth 500' 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. 150' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 465', 455', 445', 435', 360', 350', 320', 305', 290', 280'

Depths vent pipes placed: 490'

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

Drilling Log (Attach Hereto) ☐Completion Date 7/20/87

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1876 W	S.J. 27-5 # 110 E mesa C 2-27-5	81 N		☒ Good ☐ Bad
	S.J. 27-5 # 23 A mesa ed. D. 2-27-5	79 N		☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
NW 2-27-5	2" x 60"	DURION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
500	490'			
Anode Depth				
# 1 465'	# 2 455'	# 3 445'	# 4 435'	# 5 360'
# 6 350'	# 7 320'	# 8 305'	# 9 290'	# 10 280'
Anode Output (Amps)				
# 1 3.9	# 2 4.3	# 3 4.8	# 4 3.8	# 5 3.0
# 6 3.4	# 7 3.1	# 8 3.6	# 9 5.2	# 10 5.2
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 11.9	Amps 16.8	Ohms .7		

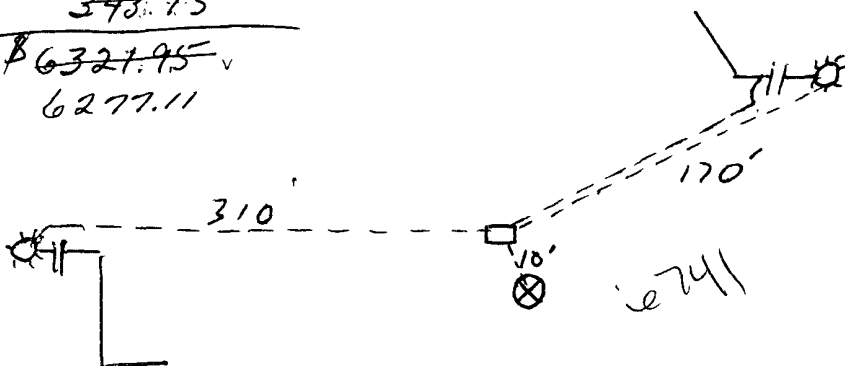
Remarks: WATER AT 150'. INSTALLED 490' of 1" P.V.C. VENT pipe, Perforated 340'.

G.P. \$4200.00 ✓
 Rectifier Size: 60 V 28 A 1150.00 ✓
 Addn'l Depth _____
 Depth Credit: -10' -40.00 ✓
 Extra Cable: 40' 10.00 ✓
 Ditch & 1 Cable: 320' 124.80 ✓
 Ditch & 2 Cable: 120' 88.40 ✓
 25' Meter Pole: 1 305.00 ✓
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1 40.00 ✓

All Construction Completed

jc Statts
 (Signature)

OS
 5928.20
 TAX 343.95 298.91
 TOTAL \$6321.95 ✓
 6277.11



BURGE CORROSION SYSTEMS

P.O. BOX 1359 • PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 1/20/81

Company: MARTINIAN OIL

Well No. 27-S²110E Location NW 2-27-S

- Volts Applied 11.9 Amperes 16.8

5			230	.4			455	1.5 - ②			680				1.5
10			235	.6			460	1.5			685				1.25
15			240	.6			465	1.6 - ①			690				1.3
20			245	.4			470	1.2			695				
25			250	.5			475	1.1			700				
30			255	1.3			480	1.1			705				
35			260	.9			485	1.1			710				
40			265	.6			490				715				
45			270	.5			495				720				
50			275	.5			500				725				
55			280	1.5 - ⑩			505				730				
60			285	1.6			510				735				
65			290	1.6 - ⑧			515				740				
70			295	1.1			520				745				
75			300	.5			525				750				
80			305	1.4 - ⑧			530				755				
85			310	1.2			535				760				
90			315	1.1			540				765				
95			320	1.4 - ⑦			545				770				
100			325	1.2			550				775				
105			330	1.1			555				780				
110			335	.7			560				785				
115			340	.5			565				790				
120			345	.8			570				795				
125			350	1.5 - ⑥			575				800				
130			355	1.2			580				805				
135			360	1.2 - ⑤			585				810				
140			365	1.0			590				815				
145			370	1.0			595				820				
150			375	.8			600				825				
155			380	.7			605				830				
160			385	.6			610				835				
165			390	.5			615				840				
170			395	.4			620				845				
175			400	.6			625				850				
180			405	.2			630				855				
185			410	.3			635				860				
190			415	.5			640				865				
195			420	.4			645				870				
200	1.2		425	.3			650				875				
205	.9		430	.3			655				880				
210	.7		435	1.1 - ④			660				885				
215	.6		440	1.3			665				890				
220	.6		445	1.6 - ③			670				895				
225	.5		450	1.5			675				900				

BURGE CORROSION SYSTEMS, INC.

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

QPS 1876 W

COMPANY Meridian Oil DAILY DRILLING REPORT 7/20 19 87

WELL NAME: San Juan 37-5	WELL NUMBER: 110 E	SECTION: 2	TOWNSHIP: 27-N	RANGE: 5 W
WATER AT: 160		FEET: HOLE MADE: 1 GPM		

DESCRIPTION OF FORMATION:[illegible]

REMARKS:

Driller

Tool Dresser



CPS 1876 W

1809-1883

API WATER ANALYSIS REPORT FORM

Company <u>Meridian Oil</u>		Sample No.	Date Sampled <u>7/19/87</u>
Field <u>Gob.</u>	Legal Description <u>C 02-27-05</u>	County or Parish <u>Rio Arriba</u>	State <u>NM</u>
Lease or Unit	Well <u>S.J. 27-5 #110F</u>	Depth <u>150'</u>	Formation
Type of Water (Produced, Supply, etc.)	Sampling Point <u>150'</u>	Sampled By <u>L.E.</u>	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>1730</u>	<u>75.2</u>
Calcium, Ca	<u>24.0</u>	<u>1.2</u>
Magnesium, Mg	<u>0.5</u>	<u>0.0</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>199</u>	<u>5.6</u>
Sulfate, SO ₄	<u>2000</u>	<u>41.6</u>
Carbonate, CO ₃	<u>36.0</u>	<u>1.2</u>
Bicarbonate, HCO ₃	<u>1710</u>	<u>28.0</u>

OTHER PROPERTIES

pH	<u>4.31</u>
Specific Gravity, 60/60 F.	<u>1.0074</u>
Resistivity (ohm-cm) <u>710</u> F.	<u>210.0-cm</u>

Total Dissolved Solids (calc.) 2700

Iron, Fe (total) _____
Sulfide, as H₂S 0

REMARKS & RECOMMENDATIONS:

