

1174

#49A 30-039-23809

E

#137E 30-039-23824

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 SE Sec. 18 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #49A, #137E

cps 187lw

Elevation 6502' Completion Date 7/21/87 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. 120' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 325', 315', 305', 270', 260', 220', 210', 200', 190', 180'

Depths vent pipes placed: 390'

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.

CATHODIC PROTECTION CONSTRUCTION REPORT

Comp. 2287

Drilling Log (Attach Hereto) ☐#49A
#137EDAILY LOG
meter rd.9559001 + 9558901
9559101

Completion Date 7/21/87

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1871 W	S.J. 27-5 *49A	0 18-27-05	.87V W	☐ Good ☐ Bad
	S.J. 27-5 *137E	0 18-27-5	UNION BAD	
Location:	Anode Size:	Anode Type:	Size Bit:	
SE 18-27-5	2" X 60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
400	390			V
Anode Depth				
# 1 325	# 2 315	# 3 305	# 4 270	# 5 260
# 6 220	# 7 210	# 8 200	# 9 190	# 10 180
Anode Output (Amps)				
# 1 4.5	# 2 3.9	# 3 3.7	# 4 3.1	# 5 3.4
# 6 3.4	# 7 4.4	# 8 4.0	# 9 4.4	# 10 3.3
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 12.06	Amps 15.1	Ohms .8		

Remarks: WATER AT 120'-125'. Installed 390' of 1" P.V.C. Vent pipe perforated 300'.

WATER sample caught

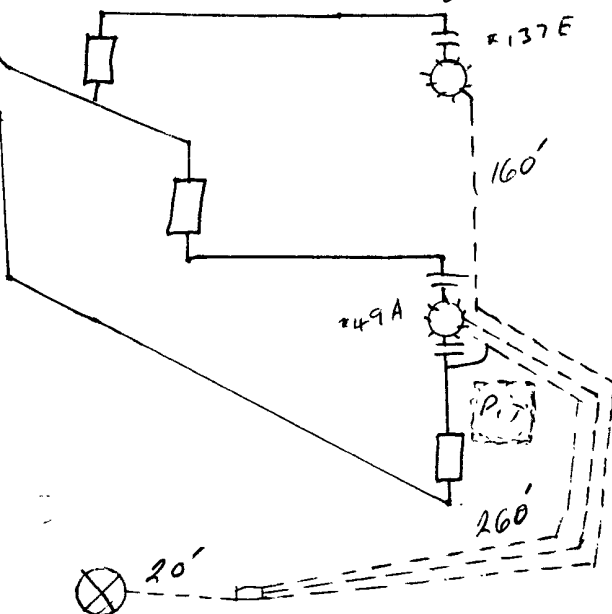
6.8 - 4300.00 ✓

Rectifier Size:	60 V	28 A	1150.00 ✓
Add'l Depth	0		5450.00
Depth Credit:	-110'		-440.00 ✓
Extra Cable:	300'		75.00 ✓
Ditch & 1 Cable:	180'		70.20 ✓
Ditch & 2 Cable:	260'		135.20 ✓
25' Meter Pole:	0		
20' Meter Pole:	0		
10' Stub Pole:	1		150.00 ✓
Junction Box:	1		40.00 ✓

TAX 5480.40 ✓
274.02 ✓
315.12 ✓
TOTAL #5795.52 ✓
5754.42

All Construction Completed

(Signature)



BURGE CORROSION SYSTEMS, INC.

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

CPS 187110

COMPANY: Meridian Oil DAILY DRILLING REPORT: 7/21 19 87

WELL NAME: <i>San Juan 27-5</i>	WELL NUMBER: <i>49 A</i>	SECTION: <i>18</i>	TOWNSHIP: <i>27 N</i>	RANGE: <i>5 W</i>
WATER AT:	FEET: <i>140</i>	HOLE MADE: <i>2 GPM</i>		

DESCRIPTION OF FORMATION

[illegible]

REMARKS: _____

Driller

Tool Dresser

BURGL CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date

7/21/81

Company

Meridian Oil

Well No.

SJ-27-3 49A

Location

SE 18-27-5

Volts Applied

12.06

Amperes

15.1

5					230	.4				455					680				
10					235	.3				460					685				
15					240	.3				465					690				
20					245	.3				470					695				
25					250	.3				475					700				
30					255	.8				480					705				
35					260	1.5	(5)			485					710				
40					265	1.4				490					715				
45					270	1.2	(4)			495					720				
50					275	.7				500					725				
55					280	.4				505					730				
60					285	.2				510					735				
65					290	.3				515					740				
70					295	.3				520					745				
75					300	.8				525					750				
80					305	1.5	(5)			530					755				
85					310	1.7				535					760				
90					315	1.7	(2)			540					765				
95					320	1.4				545					770				
100					325	1.6	(10)			550					775				
105					330	1.5				555					780				
110					335	.8				560					785				
115					340	.7				565					790				
120					345	.7				570					795				
125	.5				350	.7				575					800				
130	1.0				355	.5				580					805				
135	.5				360	.6				585					810				
140	.4				365	.7				590					815	1-325-2.2-4.5			
145	.5				370	.9				595					820	2-315-1.8-3.9			
150	.3				375	.9				600					825	3-295-1.6-3.2			
155	.6				380	.8				605					830	4-270-1.5-3.1			
160	.4				385	.6				610					835	5-260-1.8-3.4			
165	.5				390	3.90	TD			615					840	6-220-1.6-3.6			
170	.5				395					620					845	7-210-2.9-4.4			
175	.5				400	Drilled To				625					850	8-200-2.3-4.0			
180	1.5	(10)			405					630					855	9-190-2.7-4.4			
185	1.8				410					635					860	10-180-1.6-3.3			
190	1.5	(9)			415					640					865				
195	1.5				420					645					870				
200	1.7	(8)			425					650					875				
205	1.7				430					655					880				
210	1.3	(7)			435					660					885				
215	1.0				440					665					890				
220	1.2	(6)			445					670					895				
225	1.1				450					675					900				



CPS 1871W ✓

API WATER ANALYSIS REPORT FORM

Company <u>Meridian Oil</u>		Sample No.		Date Sampled <u>7/21/87</u>	
Field <u>Gob.</u>		Legal Description <u>Q 18-27-05</u>		County or Parish <u>Rio Arriba</u>	
Lease or Unit		Well <u>S.J. 27-5 #49A</u>		Depth <u>120'</u>	
Type of Water (Produced, Supply, etc.)		Sampling Point <u>120'</u>		Water, B/D	
				Sampled By <u>JL</u>	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>508</u>	<u>22.1</u>
Calcium, Ca	<u>8.0</u>	<u>0.4</u>
Magnesium, Mg	<u>1.0</u>	<u>0.1</u>
Barium, Ba		

ANIONS

Chloride, Cl	<u>14.2</u>	<u>0.4</u>
Sulfate, SO ₄	<u>287</u>	<u>6.0</u>
Carbonate, CO ₃	<u>36.0</u>	<u>1.2</u>
Bicarbonate, HCO ₃	<u>915</u>	<u>15.0</u>

OTHER PROPERTIES

pH	<u>8.50</u>
Specific Gravity, 60/60 F.	<u>1.0046</u>
Resistivity (ohm-centimeters)	<u>6200-cm</u>

Total Dissolved Solids (calc.)

1770

Iron, Fe (total)
Sulfide, as H₂S

0

REMARKS & RECOMMENDATIONS:

