

1175

30-039-23702

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. 6 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #45A

cps 1870w

Elevation 6489' Completion Date 7/16/87 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. 170'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 405', 360', 310', 300', 290', 280', 270', 230', 220', 180'

Depths vent pipes placed: 432'

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
DAILY LOG

5.75 TAX

COMP 7-21-87

Drilling Log (Attach Hereto) ☐

Completion Date 7/16/87

meter 72-42765

CPS #	Well Name, Line or Plant	Work Order #	Static	Ins. Union Check
1870 W	27-5 * 45A		290V 600 R	☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Br:	
NW 6-27-5	2" X 60"	DURION	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
440	432			
Anode Depth				
# 1 405	# 2 360	# 3 310	# 4 300	# 5 290
# 6 280	# 7 270	# 8 230	# 9 220	# 10 180
Anode Output (Amps)				
# 1 2.9	# 2 4.6	# 3 3.5	# 4 3.7	# 5 4.1
# 6 4.0	# 7 3.3	# 8 3.9	# 9 4.5	# 10 3.6
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			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.03	Amps 19.1	Ohms 6		

Remarks: WATER AT 170'. INSTALLED 432' of 1" P.V.C. VENT pipe
perforated 300'.

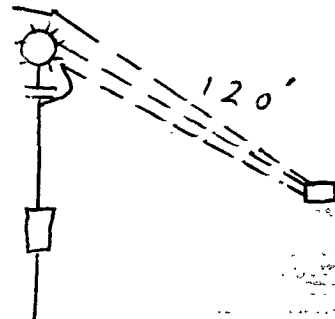
G.B. - \$4300.00

Rectifier Size: 40 V 16 A 750.00
 Addn'l Depth: _____
 Depth Credit: -68' -272.00
 Extra Cable: 150' 37.50
 Ditch & 1 Cable: 130' 50.70
 Ditch & 2 Cable: 120' 62.40
 25' Meter Pole: 1 305.00
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1 40.00

All Construction Completed

[Signature]
(Signature)

5273.60
 TAX-263.68 30323
~~5576.83~~
 TOTAL 5537.28
 5537.28



6489

BURGF CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 7/16/87

Company METIDIAN OIL

Well No. 27-5 "45A" Location NW 6-27-5

Volts Applied 12.03 Amperes 19.1

5				230	2.4 - ②	455				680	② 4.05 - 2.2 - 2
10				235	2.1	460				685	② 3.6 - 2.6 - 4
15				240	1.8 ✓	465				690	③ 3.1 - 2.1 - 3
20				245	1.5	470				695	④ 3.0 - 2.0 - 3
25				250	1.7 ✓	475				700	⑤ 2.9 - 2.2 - 4
30				255	1.7	480				705	⑥ 2.8 - 2.3 - 4
35				260	1.9 ✓	485				710	⑦ 2.7 - 2.3 - 3
40				265	2.4	490				715	⑧ 2.3 - 2.4 - 3
45				270	2.0 ✓ ②	495				720	⑨ 2.2 - 3.0 - 4
50				275	1.9	500				725	⑩ 1.8 - 2.4 - 3
55				280	1.8 ✓ ⑥	505				730	
60				285	1.7	510				735	
65				290	1.8 ✓ ⑤	515				740	
70				295	1.7	520				745	
75				300	1.8 ✓ ④	525				750	
80				305	1.9	530				755	
85				310	2.2 ✓ ③	535				760	
90				315	1.3	540				765	
95				320	1.1	545				770	
100				325	.8	550				775	
105				330	.7	555				780	
110				335	.6	560				785	
115				340	.6	565				790	
120				345	.5	570				795	
125				350	.5	575				800	
130				355	1.6	580				805	
135				360	2.3 ✓ ②	585				810	
140				365	1.6	590				815	
145				370	1.2	595				820	
150				375	.7	600				825	
155				380	.6	605				830	
160				385	.6	610				835	
165				390	.6	615				840	
170	2.6	WATER		395	.5	620				845	
175	2.3			400	1.6	625				850	
180	2.3 - ⑩			405	1.8 - ⑦	630				855	
185	1.7			410	1.2	635				860	
190	1.4			415	1.1	640				865	
195	1.5			420	1.5	645				870	
200	1.1			425	1.4	650				875	
205	.9			430	1.2	655				880	
210	.9			435	TD 432	660				885	
215	1.3			440		665				890	
220	5.5 - ⑨			445	440	670				895	
225	2.8			450		675				900	

BURGE CORROSION SYSTEMS, INC.

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

CPS 1870 W

COMPANY Meridian DAILY DRILLING REPORT 7 16 19 87

WELL NAME: <u>S.J. 27.5</u>	WELL NUMBER: <u>#451A</u>	SECTION: <u>6</u>	TOWNSHIP: <u>27 N</u>	RANGE: <u>5 W</u>
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WATER AT:

FEET:

HOLE MADE:

170

6 3/4

DESCRIPTION OF FORMATION

FROM	TO	FORMATION IS	COLOR
<u>0</u>	<u>40</u>	<u>Shale & Sandston H2O</u>	<u>Grey</u>
<u>40</u>	<u>100</u>	<u>shale & Sandston</u>	<u>Grey</u>
<u>100</u>	<u>120</u>	<u>shale</u>	
<u>120</u>	<u>160</u>	<u>H2O Sandston</u>	
<u>160</u>	<u>170</u>	<u>H2O Shale</u>	<u>Grey</u>
<u>170</u>	<u>200</u>	<u>Shale & Red clay</u>	
<u>200</u>	<u>240</u>	<u>sandstone & shale</u>	<u>Grey</u>
<u>240</u>	<u>260</u>	<u>Sandstone & some Red clay</u>	
<u>260</u>	<u>320</u>	<u>Sandstone & shale</u>	<u>Grey</u>
<u>320</u>	<u>360</u>	<u>Sand stone</u>	
<u>360</u>	<u>400</u>	<u>Shale & sandstone</u>	<u>Grey</u>
<u>400</u>	<u>440</u>	<u>shale & sandstone</u>	<u>Grey</u>

REMARKS:

Driller:

Vernon Hill

Tool Dresser: