

1165

E

30-039-30063

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. 18 Twp 27 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #163E

cps 1880

Elevation 3389' Completion Date 7/31/87 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. 100' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 405', 275', 265', 255', 245', 220', 210', 200', 190', 180'

Depths vent pipes placed: 429'

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.

CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Comp 7-22-87

Drilling Log (Attach Hereto) ☐

Completion Date 7/21/87

meter 955 2101

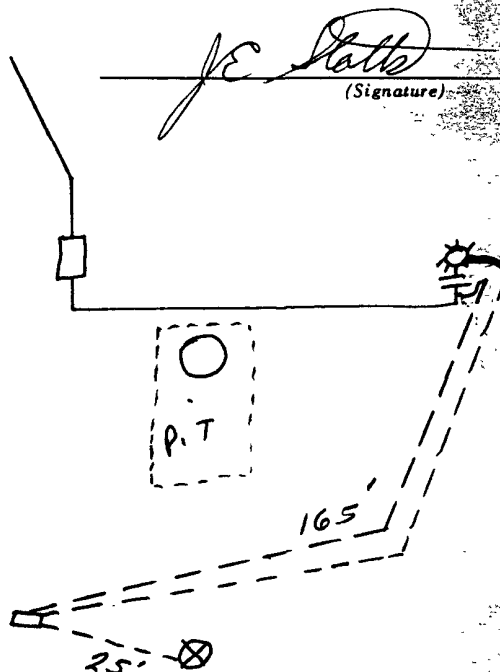
CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1880 W	S.J. 27-5 #163E		.84V W	☒ Good ☐ Bad
	#184			
Location:	Anode Size:	Anode Type:	Size Bit:	
NW18-27-5	2 X 60"	Durion	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
440'	429			
Anode Depth				
#1 405	#2 275	#3 265	#4 255	#5 245
#6 220	#7 210	#8 200	#9 190	#10 180
Anode Output (Amps)				
#1 3.9	#2 3.9	#3 3.9	#4 3.2	#5 3.1
#6 5.7	#7 6.3	#8 4.5	#9 4.4	#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 12.08	Amps 17.5	Ohms .7		

Remarks: WATER AT 160' INSTALLED 429' of 1" P.V.C. vent pipe
perforated 340'

water sample caught

60 - \$4300.00 ✓
 Rectifier Size: 60 V 28 A 1150.00 ✓
 Addn'l Depth 5450.00
 Depth Credit: -71 -284.00 ✓
 Extra Cable: 30' 7.50 ✓
 Ditch & 1 Cable: 25' 9.75 ✓
 Ditch & 2 Cable: 165' 85.80 ✓
 25' Meter Pole: 0
 20' Meter Pole: 0
 10' Stub Pole: 1 150.00 ✓
 Junction Box: 1 40.00 ✓
 5459.05 ✓
 TAX 313.90 272.95 ✓
 TOTAL \$5772.95 ✓
 5732.00

All Construction Completed



6389

Date 7/21/87

Company Meridian oil

Well No. 27-5² 163E Location

NW 18-27-5

Volts Applied 12.08

Amperes 12.5

[illegible]



CPS 1880 W Needham

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>D 18-27-05</u>	County or Parish <u>Rio Arriba</u> State <u>NM</u>
Lease or Unit	Well <u>27-5 #163 E</u>	Depth <u>100'</u>
Type of Water (Produced, Supply, etc.)	Formation	Water, B/D
	Sampling Point <u>100'</u>	Sampled By <u>LL</u>

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>1109</u>	<u>48.2</u>
Calcium, Ca	<u>101.1</u>	<u>5.0</u>
Magnesium, Mg	<u>17.8</u>	<u>1.5</u>
Barium, Ba	<u>10.1</u>	<u>0.5</u>

ANIONS

Chloride, Cl	<u>39.7</u>	<u>1.1</u>
Sulfate, SO ₄	<u>2250</u>	<u>46.9</u>
Carbonate, CO ₃	<u>411.1</u>	<u>6.7</u>
Bicarbonate, HCO ₃		

OTHER PROPERTIES

pH	<u>8.38</u>
Specific Gravity, 60/60 F.	<u>1.0061</u>
Resistivity (ohm-meters) <u>71°</u> F.	<u>2800 cm</u>

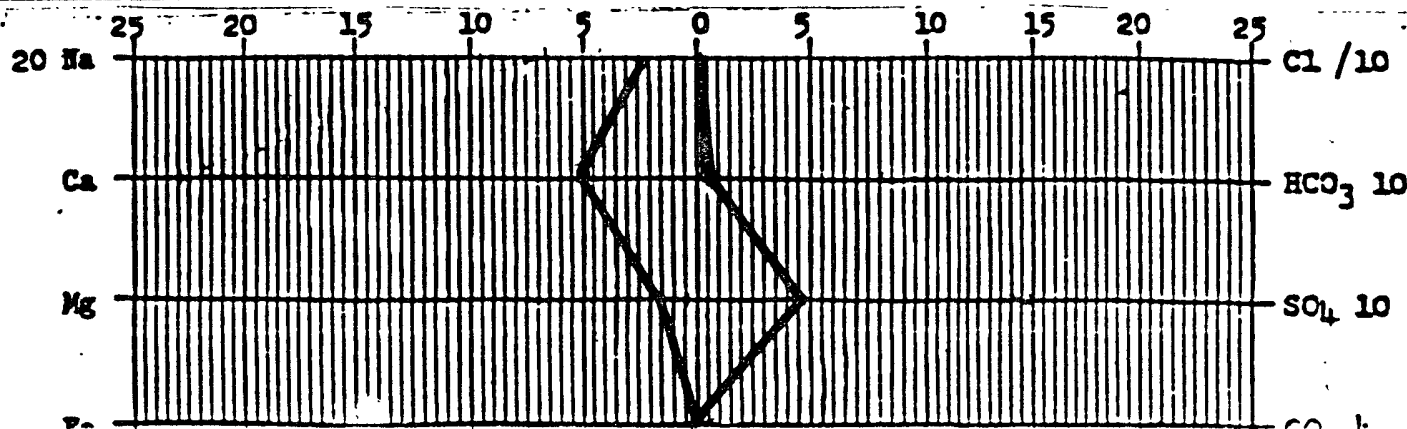
Total Dissolved Solids (calc.)

3930

Iron, Fe (total)
Sulfide, as H₂S

0

REMARKS & RECOMMENDATIONS:



BURGE CORROSION SYSTEMS, INC.

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

CPS: 1880 w

COMPANY Meridian DAILY DRILLING REPORT 7-21 1987

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
Sdn Van 27-5	163-E	18	27	5

WATER AT:	FEET:	HOLE MADE:
	100	6 3/4 440 RT

DESCRIPTION OF FORMATION

[illegible]

REMARKS:

Driller

Tool Dresser