

1161

E

30-039-23812

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 J Sec. 17 Twp 28 Rng 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 UNIT #33A

cps 1884w

Elevation 6585' Completion Date 6/19/87 Total Depth 340' 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. 130' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 305', 285', 275', 265', 240', 230', 220', 190', 180'

Depths vent pipes placed: 335'

Vent pipe perforations: 230'

Remarks: gb #1

RECEIVED
MAY 31 1991

OIL CON. DIV.
DIST ?

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 7-21-87

Drilling Log (Attach Hereto) ☐

Meter Code 92030-01

Completion Date 6-19-87

CPS # 1884W 1891-W	Well Name, Line or Plant: J-17-28-5 #33A	Work Order # 58496	State: .93 SE.	Ins. Union Check ☒ Good ☐ Bad
Unit Letter J-17-28-5				
Location: J-17-28-5	Anode Size: 2" x 60"	Anode Type: Duriron	Size Bit: 6 3/4"	
Depth Drilled 340'	Depth Logged 335'	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
No. Sacks Mud Used				
Anode Depth				
#1 305'	#2 285'	#3 275'	#4 265'	#5 240'
#6 230'	#7 220'	#8 190'	#9 180'	#10 170'
Anode Output (Amps)				
#1 3.9	#2 4.7	#3 4.6	#4 3.5	#5 3.7
#6 4.6	#7 3.1	#8 3.9	#9 3.8	#10 4.9
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 12.33	Amps 17.2	Ohms .72	No. 8 C.P. Cable Used	No. 2 C.P. Cable Used

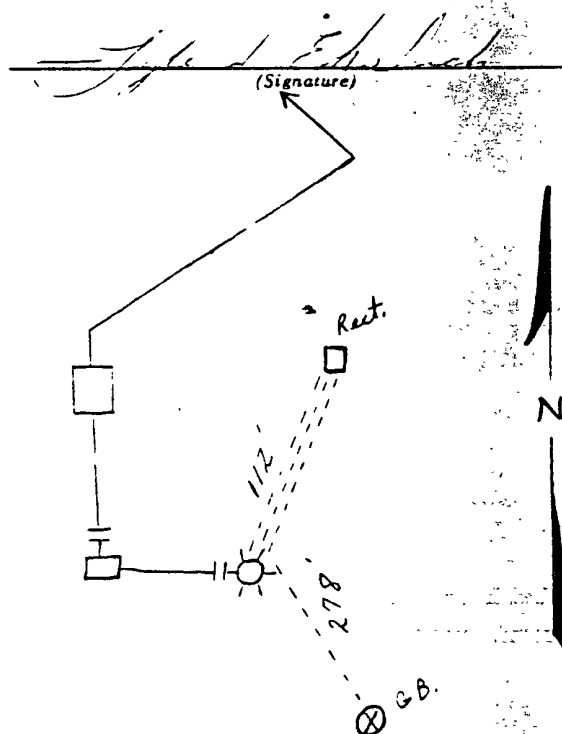
Remarks: Not true at 130'. Drilled to 170' shut down. too
water sample next 40'. Drilled 340' Logged 335'
Installed 335' of 1" PVC vent pipe. Insulated 230' of
vent pipe.

Rectifier Size: 40 V 16 A 750.00
Addn'l Depth: 165' 3640.00
Depth Credit: 142' 35.50
Extra Cable: 166' 64.74
Ditch & 1 Cable: 112' 58.24
Ditch & 2 Cable: 150.00
25' Meter Pole: 40.00
20' Meter Pole: 4738.48
10' Stub Pole: 236.92
Junction Box: 4975.40

TAX

4975.40

All Construction Completed



6585

BURGE CORROSION SYSTEMS, INC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date 6-18-87

Company: Meredian

Well No. 11-28-533A Location J-17-28-5

- Volts Applied

Ampere

5		230	2.8 - (6)	455		680	Not entered
10		235	2.7	460		685	150
15		240	2.2 - (5)	465		690	Asphalt 12
20		245	1.6	470		695	of 1st floor
25		250	.9	475		700	D. 11/13/40
30		255	.6	480		705	
35		260	1.5	485		710	
40		265	2.2 - (4)	490		715	
45		270	2.2	495		720	
50		275	2.0 - (3)	500		725	
55		280	2.0	505		730	
60		285	2.3 - (2)	510		735	
65		290	1.7	515		740	
70		295	1.5	520		745	
75		300	1.3	525		750	
80		305	1.9 - (1)	530		755	
85		310	1.8	535		760	
90		315	1.7	540		765	
95		320	.8	545		770	
100		325	1.0	550		775	
105		330	1.4	555		780	
110		335	33.5 TD	560		785	
115		340		565		790	
120	.8	345		570		795	
125	1.1	350		575		800	
130	1.1	355		580		805	
135	2.2	360		585		810	
140	2.8	365		590		815	
145	3.3	370		595		820	
150	3.1	375		600		825	
155	3.2	380		605		830	
160	3.1	385		610		835	(1) 305 2.2 3.5
165	3.1	390		615		840	(2) 285 2.8 4.2
170	3.0 - (10)	395		620		845	(3) 275 2.3 4.6
175	2.7	400		625		850	(4) 265 2.4 3.3
180	2.2 - (9)	405		630		855	(5) 240 2.4 3.2
185	1.8	410		635		860	(6) 220 3.2 4.6
190	2.4 - (8)	415		640		865	(7) 220 2.5 3.1
195	1.4	420		645		870	(8) 190 2.9 3.9
200	.4	425		650		875	(9) 180 2.7 3.8
205	.4	430		655		880	(10) 170 3.3 4.9
210	1.1	435		660		885	
215	.7	440		665		890	
220	1.9 - (7)	445		670		895	
225	2.4	450		675		900	

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

COMPANY Meridian Oil

DAILY DRILLING REPORT

June 24,

1987

[illegible]

REMARKS:

Kevin Buege

Driller

Tool Dresser

CPS

188462

API WATER ANALYSIS REPORT FORM

Company <u>Meridian Oil Co.</u>		Sample No.		Date Sampled <u>6-19-87</u>	
Field		Legal Description <u>J-17-28-5</u>		County or Parish <u>Rio Arriba</u> State <u>NM</u>	
Lease or Unit		Well <u>SS-28-5 #33A</u>		Depth <u>130'</u> Formation <u>Mesa Verde</u> Water, B/D	
Type of Water (Produced, Supply, etc.) <u>G.B.</u>		Sampling Point <u>G.B.</u>		Sampled By <u>J. Evans</u>	

DISSOLVED SOLIDS

CATIONS

mg/l

me/l

Sodium, Na (calc.)

23011.5

Calcium, Ca

Magnesium, Mg

Barium, Ba

ANIONS

Chloride, Cl

14.4Sulfate, SO₄2004.1Carbonate, CO₃301.0Bicarbonate, HCO₃4257.0

Total Dissolved Solids (calc.)

900

Iron, Fe (total)

0Sulfide, as H₂S0

OTHER PROPERTIES

pH

8.99

Specific Gravity, 60/60 F.

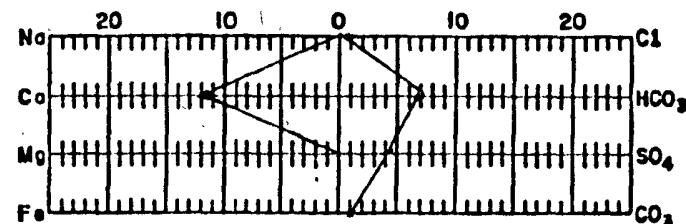
1.0027Resistivity (ohm-meters) 74° F.1.1 X 10²

Conductivity

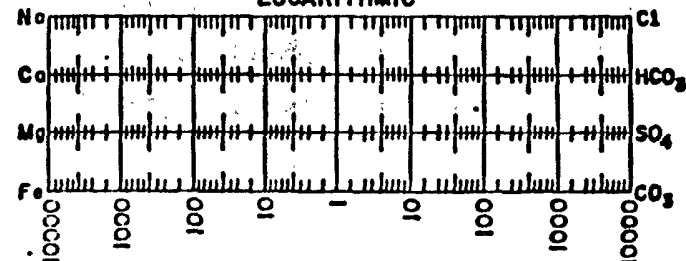
8.9 X 10²μmho

WATER PATTERNS — me/l

STANDARD



LOGARITHMIC



REMARKS & RECOMMENDATIONS:

This sample contained a large amount of suspended clay which was filtered with difficulty. Only small volumes of filtrate were obtained to analyze.