

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

30-039-07450

Operator MERIDIAN OIL CO. Location: Unit N Sec. 8 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced San Juan 28-6 # 13

Elevation _____ Completion Date 9/5/90 Total Depth 260 Land Type _____

Casing Strings, Sizes, Types & Depths 20 ft. 8" PVC Casing

If Casing Strings are cemented, show amounts & types used _____

If Cement or Bentonite Plugs have been placed, show depths & amounts used _____

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. Water @ 60 ft. got a sample

Depths gas encountered: _____

Ground bed depth with type & amount of coke breeze used: _____

3900 lbs. of Ashbury petroleum coke

Depths anodes placed: 225, 215, 205, 175, 165, 155, 145, 135, 125, 115

Depths vent pipes placed: 260 ft. 1" PVC vent pipe

Vent pipe perforations: Perforated 200 ft.

Remarks: _____

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 9-5-90

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
634-W		ST 28-6 # 13						☒ Good ☐ Bad	
Location:		Anode Size:		Anode Type:		Size Bit:			
N8-28-6		2" X 60"		ANOTEC		6 3/4			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
260'		245'				3900 #			
Anode Depth									
# 1	225'	# 2	215'	# 3	205'	# 4	175'	# 5	165'
# 6	155'	# 7	145'	# 8	135'	# 9	125'	# 10	115'
Anode Output (Amps)									
# 1	6.0	# 2	6.3	# 3	5.0	# 4	4.8	# 5	4.8
# 6	4.4	# 7	6.6	# 8	5.9	# 9	4.4	# 10	5.1
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		Amps 18		Ohms .66					

Remarks: Driller said wet at 20'. Next A.M. Blew water. GOT WATER SAMPLE
 Ran 260' of 1" VENT PIPE. PERFORATED 200' OF VENT PIPE
 Left coke Breeze APPROXIMATELY 85'

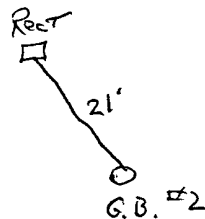
Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 21'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Wilbur Wright Jr
 (Signature)

GROUND BED LAYOUT SKETCH

RECEIVED
 SEP 19 1990
 OIL CON. DIV.]
 DIST. 3.



G.B. #1

28-6 #13

N

Meridan Oil

CPS #: 634-W WELL NAME: SJ 28-6 #13 LOCATION: N8-28-6 DATE: 9-5-90

TOTAL VOLTS: 12.0 TOTAL AMPS: 18.0 OHMS RESISTANCE: 66

												ANODE READINGS			
DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	DEEP	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5			185	1.50		365			545		1		125	3.1	6.0
10			190	1.50		370			550		2		215	3.1	6.3
15			195	1.50		375			555		3		205	2.0	5.0
20			200	1.60		380			560		4		175	2.5	4.8
25			205	1.9	3	385			565		5		165	2.0	4.8
30			210	2.2	-	390			570		6		155	1.7	4.4
35			215	2.4	2	395			575		7		145	3.2	6.6
40			220	2.5	-	400			580		8		135	2.2	5.9
45			225	2.4	1	405			585		9		125	1.5	4.4
50			230	1.7		410			590		10		115	1.3	5.1
55			235	1.90		415			595						
60			240	1.60		420			600						
65			245	-	TD	425			605						
70	1.90		250			430			610						
75	1.50		255			435			615						
80	1.40		260			440			620						
85	1.30		265			445			625						
90	1.30		270			450			630						
95	1.30		275			455			635						
100	1.30		280			460			640						
105	1.30		285			465			645						
110	1.40		290			470			650						
115	1.1	10	295			475			655						
120	1.4		300			480			660						
125	1.3	9	305			485			665						
130	1.6		310			490			670						
135	2.3	8	315			495			675						
140	2.8		320			500			680						
145	2.3	7	325			505			685						
150	1.9		330			510			690						
155	1.6	6	335			515			695						
160	1.8		340			520			700						
165	1.9	5	345			525			705						
170	2.2		350			530			710						
175	2.0	4	355			535			715						
180	1.1		360			540			720						

REMARKS: DRILLER said wet at 70". Next A.M. Blew water
Got water sample.

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

Driller

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No. MARK MCFARLAND

Company <u>MERIDIAN OIL</u>		Sample No. <u>CPS 634W</u>	Date Sampled <u>9/5/90</u>
Field	Legal Description <u>N 8-28-6</u>	County or Parish	State
Lease or Unit <u>SAN JUAN</u>	Well <u>28-6 #13</u>	Depth <u>70'</u>	Formation Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point	Sampled By

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>3</u>	<u>0.12</u>
Calcium, Ca	<u>40</u>	<u>2.02</u>
Magnesium, Mg	<u>6</u>	<u>0.52</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>6.58</u>
Specific Gravity, 60/60 F.	<u>1.0023</u>
Resistivity (ohm-meters) <u>66</u> F.	<u>26</u>

Total Dissolved Solids (calc.)

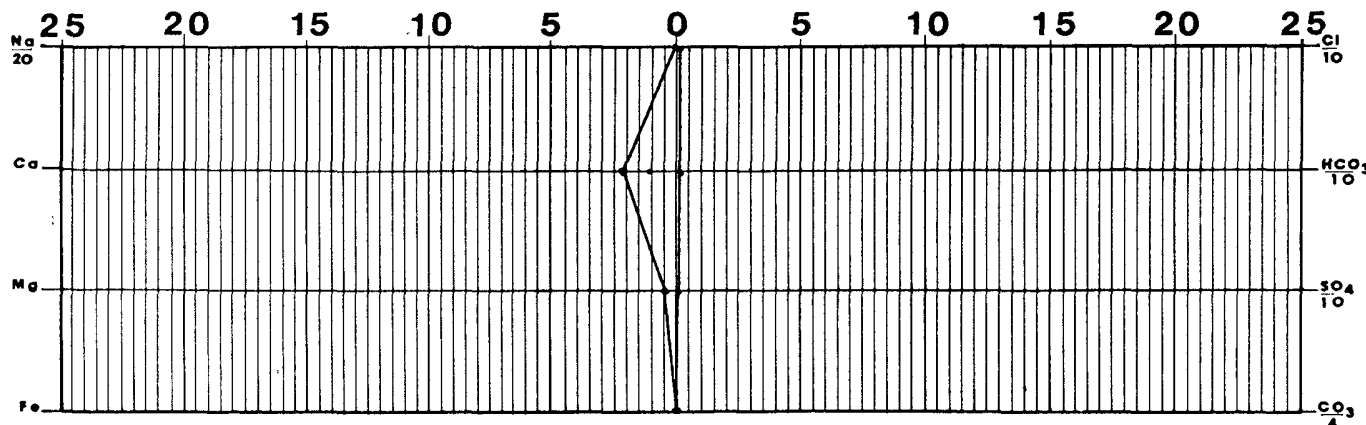
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ANIONS

Chloride, Cl	<u>23</u>	<u>0.66</u>
Sulfate, SO_4	<u>41</u>	<u>0.85</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>56</u>	<u>0.91</u>

Iron, Fe (total)	
Sulfide, as H_2S	

REMARKS & RECOMMENDATIONS:



Date Received <u>9-12-90</u>	Preserved	Date Analyzed <u>9-12-90</u>	Analyzed By <u>MK LANE</u>
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