

3 - 30-039-07298
928 81 - 30-039-20187

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

Operator MERIDIAN OIL CO. Location: Unit Sec. 26 Twp. 28 Rng. 5

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-5 # 81 # 3

cps 1134w

Elevation 6855' Completion Date 9/14/90 Total Depth 280 Land Type N/A

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

If Casing Strings are 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: Fresh, Clear

Salty, Sulphur, Etc. 90 to 110 ft.

Depths gas encountered: N/A

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

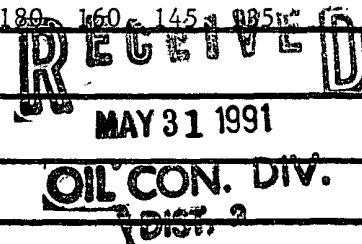
260 ft. with 3600 lbs. Ashbury Coke Petroleum

Depths anodes placed: 240, 230, 220, 210, 200, 190, 180, 160, 145, 825

Depths vent pipes placed: 280 ft. 1" PVC

Vent pipe perforations: 200 ft. perforated

Remarks: gb #2



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**

#32

Drilling Log (Attach Hereto) ☐

Completion Date 9-14-90

PS #	Well Name, Line or Plant:	Work Order #	State:	Ins. Union Check
1134-W	SJ-28-5 # 81 SJ-28-5 # 3			☒ Good ☐ Bad
Location:	Anode Size:	Anode Type:	Size Bit:	
124-28-5	2"X60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
280	260		3600#	
Anode Depth				
1 240	# 2 230	# 3 220	# 4 210	# 5 200
# 6 190	# 7 180	# 8 160	# 9 145	# 10 135
Anode Output (Amps)				
1 5.0	# 2 5.3	# 3 5.1	# 4 6.1	# 5 5.9
# 6 4.6	# 7 5.5	# 8 4.4	# 9 5.2	# 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			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Ohms 12.65	Amps 18.6	Ohms .68		

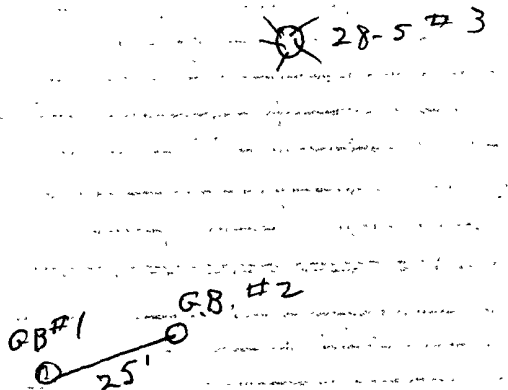
Remarks: Set 20' of 8" PVC casing. Driller said water at 90'.
 For water sample - Ran 280' of 1" PVC Vent Pipe. Perforator 200'
 of Vent Pipe Left coke breeze approximately 90'

Rectifier Size: V A
 Anode Depth: _____
 Depth Credit: _____
 Anode Cable: 10'
 Cath & I Cable: 25'
 Meter Pole: _____
 Meter Pole: _____
 Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH



☐ Rect.

6855

CONSTRUCTION LOGGING READINGS

N 31010N 011

CPS #: 1134-W WELL NAME: 5528-5 # 81+3 LOCATION: M26285 DATE: 9-14-90

TOTAL VOLTS: 12.65 TOTAL AMPS: 18.6 OHMS RESISTANCE: 68

											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	1.6		365			545			1	240	1.7	5.0
10			190	1.3	6	370			550			2	230	1.8	5.3
15			195	1.2		375			555			3	220	1.6	5.1
20			200	1.5	5	380			560			4	210	2.0	6.1
25			205	1.8		385			565			5	200	1.8	5.9
30			210	1.6	4	390			570			6	190	1.6	4.6
35			215	1.4		395			575			7	180	1.9	5.5
40			220	1.3	3	400			580			8	160	1.6	4.4
45			225	1.4		405			585			9	145	1.8	5.2
50			230	1.5	2	410			590			10	135	1.6	4.9
55			235	1.4		415			595						
60			240	1.3	1	420			600						
65			245	1.5		425			605						
70			250	1.5		430			610						
75			255	1.6		435			615						
80			260	1.4	T.D	440			620						
85			265			445			625						
90	1.90		270			450			630						
95	1.40		275			455			635						
100	1.30		280			460			640						
105	1.40		285			465			645						
110	1.1		290			470			650						
115	1.4		295			475			655						
120	1.5		300			480			660						
125	1.1		305			485			665						
130	1.3		310			490			670						
135	1.3	10	315			495			675						
140	1.4		320			500			680						
145	1.5	9	325			505			685						
150	1.1		330			510			690						
155	1.2		335			515			695						
160	1.4	8	340			520			700						
165	1.1		345			525			705						
170	1.1		350			530			710						
175	1.3		355			535			715						
180	1.6	7	360			540			720						

REMARKS: Set 20' of 8" PVC casing. Driller said
 WATER AT 90'. GOT WATER SAMPLE.

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company MERIDIAN OIL COMPANY		Sample No. CPS 1134 - W		Date Sampled 14th Sept., 1990	
Field		Legal Description		County or Parish	
Lease or Unit		Well San Juan #3 E #81 M 26-28-5		Depth	
Type of Water (Produced, Supply, etc.)		Sampling Point C 90'		Sampled By M.O. McFarland	



TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>272</u>	<u>11.83</u>
Calcium, Ca	<u>6</u>	<u>0.3</u>
Magnesium, Mg	<u>1</u>	<u>0.1</u>
Barium, Ba	<u>-</u>	<u>-</u>

OTHER PROPERTIES

pH	<u>9.03</u>
Specific Gravity, 60/60 F.	<u>0.9645</u>
Resistivity (ohm-meters) <u>66.2</u> F.	<u>11.1</u>

Total Dissolved Solids (calc.)

8.71

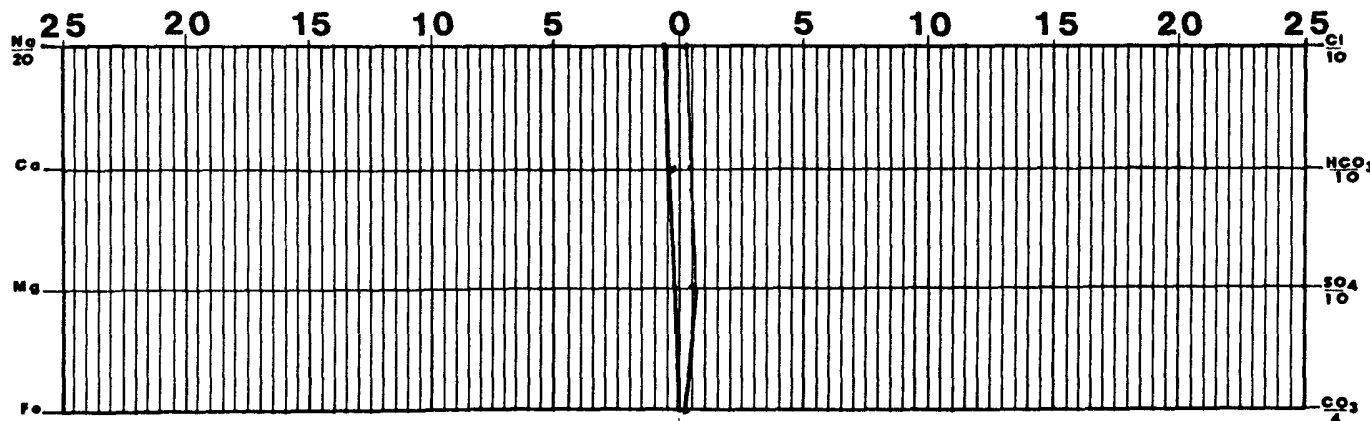
ANIONS

Chloride, Cl	<u>26</u>	<u>0.72</u>
Sulfate, SO_4	<u>265</u>	<u>5.51</u>
Carbonate, CO_3	<u>60</u>	<u>2</u>
Bicarbonate, HCO_3	<u>241</u>	<u>4</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:



Date Received 17th Sept, 1990	Preserved	Date Analyzed 18th Sept., 1990	Analyzed By R.H.
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