

81 = 30-039-20187

3 = 30-039-07298

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

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

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

Elevation _____ Completion Date 9/14/90 Total Depth 280 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. 90 to 110 ft.

Depths gas encountered: _____

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, 135

Depths vent pipes placed: 280 ft. 1" PVC

Vent pipe perforations: 200 ft. perforated

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.

Drilling Log (Attach Hereto) ☐

Completion Date 9-14-90

Ins. Union Check

1134-W		SJ-28-5 # 81						☒ Good ☐ Bad	
		SJ-28-5 # 3							
Location: M26-28-5		Anode Size: 2" x 60"		Anode Type: ANOTEC		Size Bit: 6 3/4			
Depth Drilled: 280		Depth Logged: 260		Drilling Rig Time:		Total Lbs. Coke Used: 3600 ^{lb}		Lost Circulation Mat'l Used:	
Anode Depth		Anode Output (Amps)		Anode Depth		Anode Output (Amps)			
# 1 240	# 2 230	# 3 220	# 4 210	# 5 200	# 6 190	# 7 180	# 8 160	# 9 145	# 10 135
# 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		Anode Output (Amps)		Anode Depth		Anode Output (Amps)			
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
# 11	# 12	# 13	# 14	# 15	# 16	# 17	# 18	# 19	# 20
Total Circuit Resistance		Volts 12.65		Amps 18.6		Ohms .68		No. 8 C.P. Cable Used	
								No. 2 C.P. Cable Used	

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

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

All Construction Completed

Willis Knight Jr
(Signature)

GROUND BED LAYOUT SKETCH

~~28-5~~ 3

RECEIVED
SEP 26 1990
OIL CON. DIV.
DIST. 3

QB #1 — 25' — GB #2

28-5#8

☐ Lect.

Meridian 011

CPS #: 1134-W WELL NAME: SJ28-5 # 81+3 LOCATION: M26-28-5 DATE: 9-14-90

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

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	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	1.6	T.D	440			620						
85			265			445			625						
90	190		270			450			630						
95	140		275			455			635						
100	130		280			460			640						
105	140		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



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

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

DISSOLVED SOLIDS

CATIONS

Sodium, Na (calc.)
Calcium, Ca
Magnesium, Mg
Barium, Ba

mg/l
272
6
1
-

OTHER PROPERTIES

pH
Specific Gravity, 60/60 F.
Resistivity (ohm-meters)

9.03
0.9645
11.1

ANIONS

Chloride, Cl
Sulfate, SO_4
Carbonate, CO_3
Bicarbonate, HCO_3

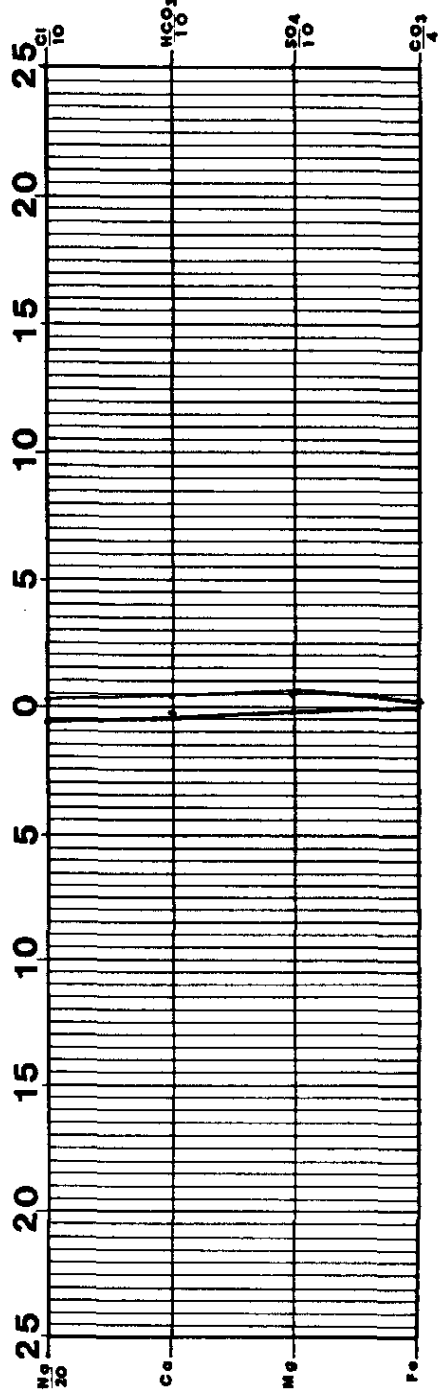
mg/l
26
265
60
241

Iron, Fe (total)
Sulfide, as H_2S

Total Dissolved Solids (calc.)

871

REMARKS & RECOMMENDATIONS:



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