

78-30-039-07194
61-30-039-07191

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

Operator MERIDIAN OIL CO. Location: Unit G Sec. 5 Twp. 27 Rng. 5

Name of Well/Wells or Pipeline Serviced San Juan 27-5 # 78 & 61

Elevation _____ Completion Date 10/1/90 Total Depth 380 Land Type _____

Casing Strings, Sizes, Types & Depths 40 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 at 85 ft. & got a sample

Depths gas encountered: _____

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

370 ft. with 4400 lbs of Ashbury Petroleum Coke

Depths anodes placed: 350, 340, 330, 320, 310, 300, 280, 270, 260, 250

Depths vent pipes placed: 380 ft. 1" PVC vent pipe

Vent pipe perforations: Perforated 300 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 10-1-90

CPS #	Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
739-W	SJ 27-5 #78						☒ Good ☐ Bad	
	SJ 27-5 #61							
Location: G5-27-5		Anode Size: 2" X 60"	Anode Type: ANOTEC		Size Bit: 6 3/4			
Depth Drilled 380'	Depth Logged 370'	Drilling Rig Time		Total Lbs. Coke Used 4400 #	Lost Circulation Mat'l Used		No. Sects Mud Used	
Anode Depth #1 350	#2 340	#3 330	#4 320	#5 310	#6 300	#7 280	#8 270	#9 260
Anode Output (Amps) #1 5.1	#2 4.4	#3 5.3	#4 4.3	#5 4.8	#6 3.6	#7 4.0	#8 5.0	#9 4.9
Anode Depth #11	#12	#13	#14	#15	#16	#17	#18	#19
Anode Output (Amps) #11	#12	#13	#14	#15	#16	#17	#18	#19
Total Circuit Resistance Volts 12		Amps 17.7		Ohms .67		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used

Remarks: ~~Set~~ 40' of 8" PVC casing. Driller saw water at 85'
 Got water sample. Ran 380' of 1" PVC Vent Pipe. Perforated 300'
 of Vent Pipe. Left coke breeze approximately 210'

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: 1

All Construction Completed

Willis Doughter Jr
 (Signature)

GROUND BED LAYOUT SKETCH

RECEIVED
 OCT 24 1990
 OIL CON. DIV. 1
 DIST. 3

27-5 #61
 27-5 #78
 25' RECTIFIER
 G.B. #1
 G.B. #2

N

CONSTRUCTION LOGGING READINGS

Meridian 011

CPS #: 739-W WELL NAME: ST 27-5 #78+6 LOCATION: 65-225 DATE: 10-1-90

TOTAL VOLTS: 12.0 TOTAL AMPS: 17.7 OHMS RESISTANCE: .67

										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	1.4		365	1.0		545			1	350	2.8	5.1
10			190	1.8		370	1.0	TD	550			2	340	2.0	4.4
15			195	1.4		375			555			3	330	2.6	5.3
20			200	1.6		380			560			4	320	2.0	4.3
25			205	1.3		385			565			5	310	2.2	4.8
30			210	1.90		390			570			6	300	1.2	3.6
35			215	1.90		395			575			7	280	1.8	4.0
40			220	1.0		400			580			8	270	2.7	5.0
45			225	1.0		405			585			9	260	2.1	4.9
50			230	1.1		410			590			10	250	2.1	6.0
55			235	1.1		415			595						
60			240	1.4		420			600						
65			245	1.6		425			605						
70			250	1.7	10	430			610						
75			255	1.9		435			615						
80	20		260	1.6	9	440			620						
85	40		265	1.7		445			625						
90	60		270	1.7	8	450			630						
95	70		275	1.8		455			635						
100	1.6		280	1.4	7	460			640						
105	1.6		285	1.60		465			645						
110	1.4		290	1.40		470			650						
115	1.4		295	1.90		475			655						
120	1.7		300	1.1	6	480			660						
125	1.4		305	1.2		485			665						
130	1.3		310	1.9	5	490			670						
135	1.2		315	2.1		495			675						
140	1.90		320	1.8	4	500			680						
145	1.40		325	1.6		505			685						
150	1.30		330	1.9	3	510			690						
155	1.30		335	2.4		515			695						
160	1.30		340	1.9	2	520			700						
165	1.30		345	1.4		525			705						
170	1.30		350	2.0	1	530			710						
175	1.30		355	2.7		535			715						
180	1.40		360	1.5		540			720						

REMARKS: SET 40' of 8" PVC CASING. DRILLER SAID WATER
 AT 85'. WAITED 20 MINUTES, BLEW WATER GOT WATER
 SAMPLE.

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

Meridian Oil

DAILY DRILLING REPORT

10-1

18. *20*

SAN JUAN 27-5

#78 $\div$ 61

65

27

5

WATER AT:

FEET:

HOLE MADE:

[illegible]

REMARKS:

Kevin Buge

Driller

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-901008-002A

Company MERIDIAN OIL INC.		Sample No. CAS 739-W		Date Sampled 9-28-90	
Field BLANCO		Legal Description G 5-27-5		County or Parish RIO ARRIBA	
Lease or Unit		Well SS 27-5 # 78		Depth 85'	
Type of Water (Produced, Supply, etc.)		Sampling Point		Water, B/D	
				Sampled By W. Knight Jr.	



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

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	179	7.8
Calcium, Ca	144	7.2
Magnesium, Mg	13	1.05
Barium, Ba	-	-

OTHER PROPERTIES

pH	10.46
Specific Gravity, 60/60 F.	1.0140
Resistivity (ohm-meters) 61.5 F.	9.05

Total Dissolved Solids (calc.)

1099

ANIONS

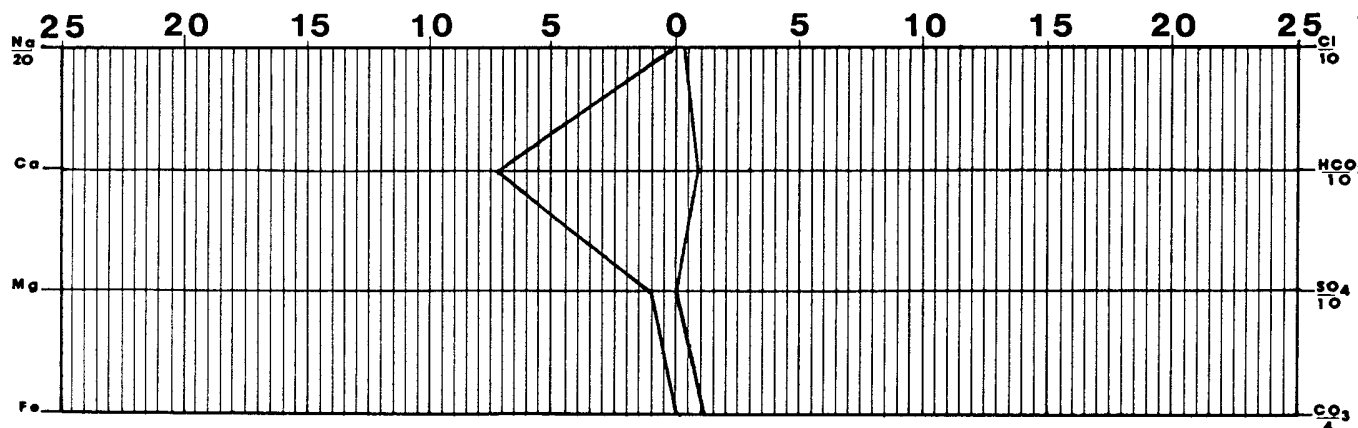
Chloride, Cl	106	3
Sulfate, SO_4	-	-
Carbonate, CO_3	135	4.5
Bicarbonate, HCO_3	522	8.55

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS: ATTN. M.D. McFARLAND

Due to significant suspended solids in original sample solution, diluted 2 to 1 after filtration prior to analyses for ion concentrations.



Date Received 8th Oct, 1990.	Preserved	Date Analyzed 15th Oct, 1990.	Analyzed By R.H.
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