

251 - 30-045-27023

1 - 30-045-09226

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

Operator MERIDIAN OIL CO. Location: Unit A Sec. 28 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced TURNER # 251 & # 1

Elevation _____ Completion Date 7/20/90 Total Depth 300 Land Type _____

Casing Strings, Sizes, Types & Depths 20' of 8" PVC CASING

If Casing Strings are cemented, show amounts & types used 1 sack portland cement

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 280 to 300 ft. - cemented bottom 30' of hole to seal off water Water sample taken.

Depths gas encountered: _____

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

270 ft. with 3300 lbs. Ashbury Petroleum Coke

Depths anodes placed: 235, 225, 215, 205, 195, 185, 175, 165, 155, 145

Depths vent pipes placed: 250 ft. 1" vent pipe, perforated 150 ft.

Vent pipe perforations: 150 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 7-20-90

CPS #	Well Name, Line or Plant:	Work Order #	Seal:	Ins. Union Check
3-W	TURNER #251			☒ Good ☐ Bad
	TURNER #1			
Location:		Anode Size	Anode Type:	Size Bit:
A28-30-9		2'x6"	ANOTEC	6 3/4"
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
300'	270'		3300 #	
Anode Depth				
# 1 235	# 2 225	# 3 215	# 4 205	# 5 195
# 6 185	# 7 175	# 8 165	# 9 155	# 10 145
Anode Output (Amps)				
# 1 4.2	# 2 4.7	# 3 4.7	# 4 4.1	# 5 4.6
# 6 4.4	# 7 5.2	# 8 5.2	# 9 4.7	# 10 5.0
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 12.4	Amps 18.0	Ohms .69		

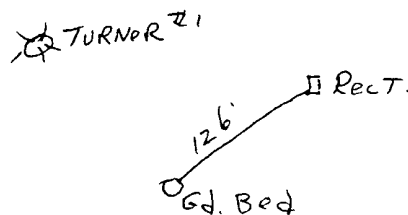
Remarks: Set 20' of 8" PVC casing, cemented with 1 sack of cement. Drilled to 300', Hit water sand, Logged 270' of hole, cemented bottom 20' of hole to seal off water. Ran 250' of 1" vent pipe. Set coke breeze approximately 120' from top of hole. Perforated 150' of vent pipe

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 126'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis L. Knight, Jr.
 (Signature)

GROUND BED LAYOUT SKETCH



RECEIVED
 AUG 28 1990
 OIL CON. DIV
 DIST. 3

TURNER #251

CONSTRUCTION LOGGING READINGS

Meridian 0.1

CFS #: 3-W WELL NAME: TURNER 251 + 1 LOCATION: A28-309 DATE: 7-20-90

TOTAL VOLTS: 12.4 TOTAL AMPS: 18.0 OHMS RESISTANCE: .69

												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	1.8	6	365			545			1	235	3.0	4.2
10			190	2.0		370			550			2	225	3.5	4.7
15			195	2.3	5	375			555			3	215	3.6	4.7
20			200	2.2		380			560			4	205	3.2	4.1
25			205	2.2	4	385			565			5	195	3.5	4.6
30			210	2.1		390			570			6	185	2.9	4.4
35			215	2.1	3	395			575			7	175	4.2	5.2
40			220	2.5		400			580			8	165	3.9	5.2
45			225	2.3	2	405			585			9	155	3.3	4.7
50			230	2.1		410			590			10	145	3.6	5.0
55			235	2.1	1	415			595						
60			240	2.2		420			600						
65			245	1.7		425			605						
70			250	1.6	7.0	430			610						
75			255			435			615						
80			260			440			620						
85			265			445			625						
90	1.0		270			450			630						
95	1.0		275			455			635						
100	1.9		280			460			640						
105	2.2		285			465			645						
110	1.10		290			470			650						
115	1.6		295			475			655						
120	1.5		300			480			660						
125	2.5		305			485			665						
130	2.4		310			490			670						
135	2.8		315			495			675						
140	2.8		320			500			680						
145	2.4	10	325			505			685						
150	2.3		330			510			690						
155	2.3	9	335			515			695						
160	2.2		340			520			700						
165	2.2	8	345			525			705						
170	2.6		350			530			710						
175	2.8	7	355			535			715						
180	2.3		360			540			720						

REMARKS: Hit water sand at 280' to 300' Cemented bottom 30' of hole to seal off water

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

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AZTEC, NEW MEXICO 87410**

MERIDIAN Q.1

7-18

1990

RANGE 3

TURNER 251

251

A-28

30

9

HOLE MADE:

1101

280'

[illegible]

Note:

CEMENTED Bottom 30' of hole
8 sacks cement through
drill pipe. 5 hrs

REMARKS:

REMARKS: Set 20' 8" PVC Casing & cemented. Rilled to 110' hit water with sample taken, drilled hole to 280' Due to gas set 20' cement plug 5 hrs.

Driller Dean E. Buge Tool Dresser

Drilled

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company Meridian Oil Inc		Sample No.		Date Sampled 7-18-90	
Field		Legal Description		County or Parish	
Lease or Unit TURNER		Well #251		Depth 100'	
Type of Water (Produced, Supply, etc.)		Sampling Point GROUND BED		Water, B/D	
				Sampled By	



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

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	4260	185.2
Calcium, Ca	453	22.6
Magnesium, Mg	24	2.0
Barium, Ba		

OTHER PROPERTIES

pH	7.78
Specific Gravity, 60/60 F.	1.0126
Resistivity (ohm-meters) 74° F.	0.67

Total Dissolved Solids (calc.)

14,810

ANIONS

Chloride, Cl	53	1.5
Sulfate, SO_4	9910	206.5
Carbonate, CO_3	0	0
Bicarbonate, HCO_3	111	1.8

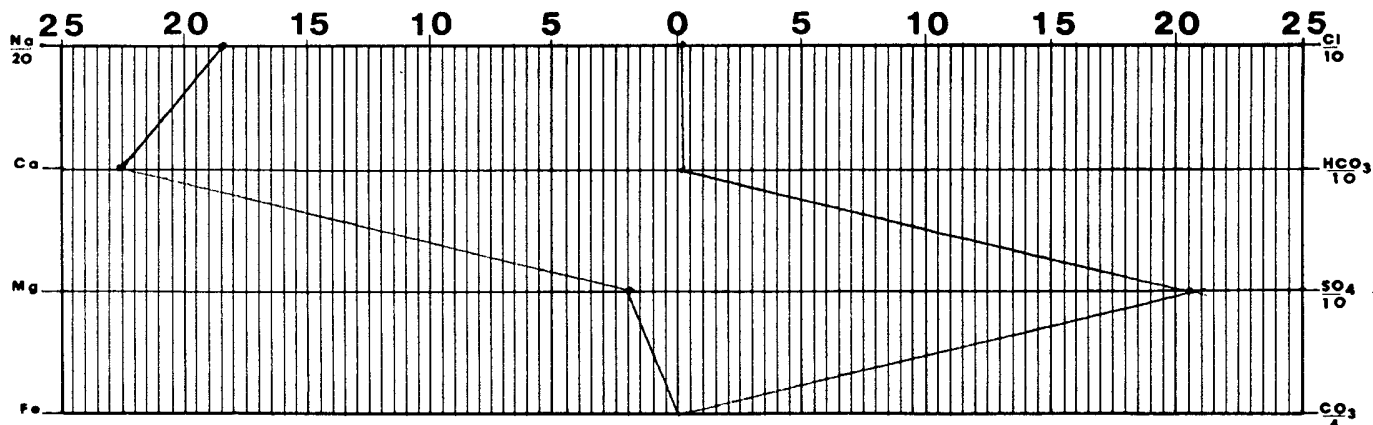
Iron, Fe (total)

Sulfide, as H_2S

0

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received 8/14/90	Preserved	Date Analyzed 8/16/90	Analyzed By D.R.H.
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