

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

30-045-27039

Operator MERIDIAN Location: Unit SW Sec. 7 Twp 30 Rng 9Name of Well/Wells or Pipeline Serviced TURNER COM #250Elevation _____ Completion Date 11/07/90 Total Depth 390' Land Type _____Casing Strings, Sizes, Types & Depths 40' 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. 135'

Depths gas encountered: _____

Ground bed depth with type & amount of coke breeze used: 175' AshburyPetroleum coke breeze 3800#Depths anodes placed: 330, 320, 310, 300, 290, 280, 245, 235, 220, 210Depths vent pipes placed: 380 ft. 1" vent pipeVent pipe perforations: 260 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

Exhibit A

Drilling Log (Attach Hereto) ☐Completion Date 11-7-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ina. Union Check
216400	TURNER Com #250	3641A		☒ Good ☐ Bad
Location: "L"	Anode Size:	Anode Type:	Size Bit:	
SAW 7-30-9	2" X 60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
390'	340'		3800 #	
Anode Depth				
# 1 330	# 2 320	# 3 310	# 4 300	# 5 290
# 6 280	# 7 245	# 8 235	# 9 220	# 10 210
Anode Output (Amps)				
# 1 3.5	# 2 4.0	# 3 5.3	# 4 5.0	# 5 4.9
# 6 5.3	# 7 3.5	# 8 3.5	# 9 3.2	# 10 3.7
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 12.1	Amps 158	Ohms .76		

Remarks: SET 40' of 8" PVC CUSING. DRILLER SAID WET AT 135', WAITED 10 MINUTES, BLEW WATER. GOT WATER SAMPLE. RAN 350' of 1" PVC VENT PIPE. PERFORATED 260 OF VENT PIPE. LEFT COKE BREEZE APPROXIMATELY 175'.

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____ 30'
 Ditch & 1 Cable: _____
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____ 1

All Construction Completed

Allen Knight Jr
 (Signature)

GROUND BED LAYOUT SKETCH

RECEIVED

NOV 30 1990

OIL CON. DIV.]

DIST 2

O.G.B #1

TURNER Com #250



Tool Dresser

Meridian Oil

CPS #:

WELL NAME: TURNER COM 250 LOCATION: SW 230-9 DATE: 11-7-90

TOTAL VOLTS: 12.1

TOTAL AMPS: 15.8

OHMS RESISTANCE: 76

DEEP	LOG ANODE NO.	ANODE NO.	DEEP	LOG ANODE NO.	ANODE NO.	DEEP	LOG ANODE NO.	ANODE NO.	DEEP	LOG ANODE NO.	ANODE NO.	ANODE READINGS			
												NO.	DEPTH	NO COKE	WITH COKE
5			185	180		365			545			1	330	2.0	3.5
10			190	180		370			550			2	320	2.1	4.0
15			195	180		375			555			3	310	2.6	5.3
20			200	190		380			560			4	300	2.6	5.0
25			205	190		385			565			5	290	2.9	4.9
30			210	1.7	10	390			570			6	280	3.0	5.3
35			215	1.6		395			575			7	245	1.9	3.5
40			220	1.1	9	400			580			8	235	1.6	3.5
45			225	1.0		405			585			9	220	1.4	3.2
50			230	1.6		410			590			10	210	1.7	3.7
55			235	1.6	8	415			595						
60			240	2.1		420			600						
65			245	1.7	7	425			605						
70			250	1.0		430			610						
75			255	1.6		435			615						
80			260	1.6		440			620						
85			265	1.4		445			625						
90			270	1.4		450			630						
95			275	2.2		455			635						
100			280	2.3	6	460			640						
105			285	2.7		465			645						
110			290	2.6	5	470			650						
115			295	2.4		475			655						
120			300	2.3	4	480			660						
125			305	2.5		485			665						
130			310	2.6	3	490			670						
135	1.80		315	2.1		495			675						
140	2.0		320	1.9	2	500			680						
145	2.2		325	2.1		505			685						
150	1.8		330	2.0	1	510			690						
155	1.1		335	1.8		515			695						
160	1.90		340	1.5	70	520			700						
165	1.70		345			525			705						
170	1.0		350			530			710						
175	1.70		355			535			715						
180	1.70		360			540			720						

REMARKS: SET 40' of 8" PVC CASING. DRILLER SAID WET
 135', WAITED 10 MINUTES, BLEW WATER. GOT WATER
 Sample

API WATER ANALYSIS REPORT FORM

Exhibit E

Laboratory No. 25-90112-001A

Company <u>MERIDIAN OIL INC.</u>		Sample No. <u>1</u>	Date Sampled <u>11-6-90</u>	
Field <u>CEGAR HILL</u>	Legal Description <u>SW 7-30-9</u>	County or Parish <u>SAN JUAN</u>	State <u>NM</u>	
Lease or Unit	Well <u>TURNER COM # 250</u>	Depth <u>135'</u>	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)		Sampling Point		Sampled By <u>W. Knight Jr.</u>



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

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>144</u>	<u>6.26</u>
Calcium, Ca	<u>305</u>	<u>15.2</u>
Magnesium, Mg	<u>55</u>	<u>4.5</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.66</u>
Specific Gravity, 60/60 F.	<u>1.0026</u>
Resistivity (ohm-meters) <u>66.5</u> F.	<u>8.2</u>

Total Dissolved Solids (calc.)

1739

ANIONS

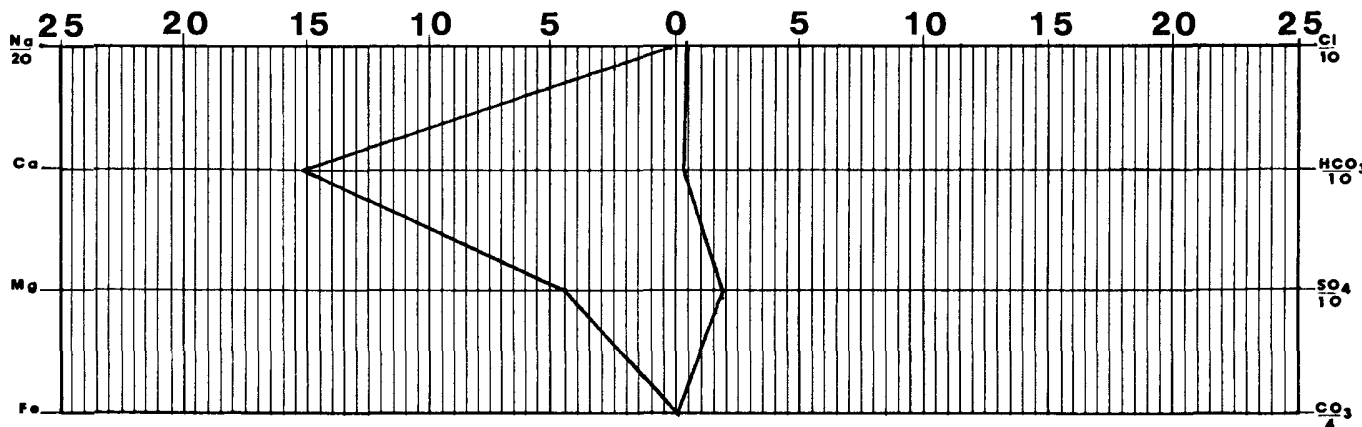
Chloride, Cl	<u>141</u>	<u>3.99</u>
Sulfate, SO_4	<u>908</u>	<u>18.92</u>
Carbonate, CO_3	<u>-</u>	<u>-</u>
Bicarbonate, HCO_3	<u>186</u>	<u>3.05</u>

Iron, Fe (total)

Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

ATTN. WARD ARNOLD



Date Received <u>12th Nov., 1990.</u>	Preserved	Date Analyzed <u>12th Nov., 1990.</u>	Analyzed By <u>R.H.</u>
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