

30-045-27023

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

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

Name of Well/Wells or Pipeline Serviced TURNER #251

cps 3w

Elevation 5836 Completion Date 7/20/90 Total Depth 300' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is 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 when possible:

Fresh, Clear, Salty, Sulphur, Etc. WATER AT 280' to 300'. CEMENTED BOTTOM 30' OF

HOLE TO SEAL OFF WATER. SAMPLE TAKEN.

Depths gas encountered: N/A

Type & amount of coke breeze used: 270' WITH 3300 lbs. ASHBURY PETROLEUM COKE.

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

Depths vent pipes placed: 250' 1" VENT PIPE

Vent pipe perforations: 150'

Remarks: rgb #3

RECEIVED

MAY 31 1991

OIL CON. DIV.)
DIST. 3

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 #		Static:		Ins Union Check	
3-W		TURNER #251						☒ Good ☐ Bad	
		TURNER #1							
Location		Anode Size		Anode Type		Size Bit			
A28-30.9		2"X60"		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 300', Hit water sand, Logged 270' of hole, cemented bottom 20' of hole to prevent water. Ran 250' of 1" Vent pipe. Set coke breeze approximately 120' from top of hole. Perforated 150' of Vent pipe

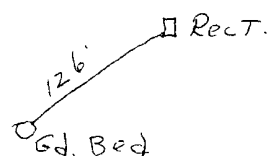
Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 126'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

William Knight, Jr.
(Signature)

GROUND BED LAYOUT SKETCH

TURNER #251



TURNER #251

N

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

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
TURNER 251	251	A-28	30	9

HOLE MADE:

1101

280'

FROM	TO	FORMATION IS	COLOR
0	20	sand-wash - 8" PVC Casing	
20	80'	sand - Bentonite sandstone	
80'	110'	shale	
110'	115'	sand - water	
115'	190'	shale	
190'	210'		

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 Brian E. Barge Tool Dresser

CONSTRUCTION LOGGING READINGS

Meridian 0,1

CPS #: 3-W WELL NAME: Turner 251 x 1 LOCATION: A28-319 DATE: 7-20-90

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

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO	WITH
ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.	ANODE	NO.	NO.	COKE	COKE	COKE	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	T.O	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

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	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc)	4260	185.2
Calcium, Ca	453	22.6
Magnesium, Mg	24	3.0
Barium, Ba		

ANIONS

Chloride, Cl	53	1.5
Sulfate, So ₄	9910	206.5
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	111	1.8

OTHER PROPERTIES

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

Total Dissolved Solids (calc.)

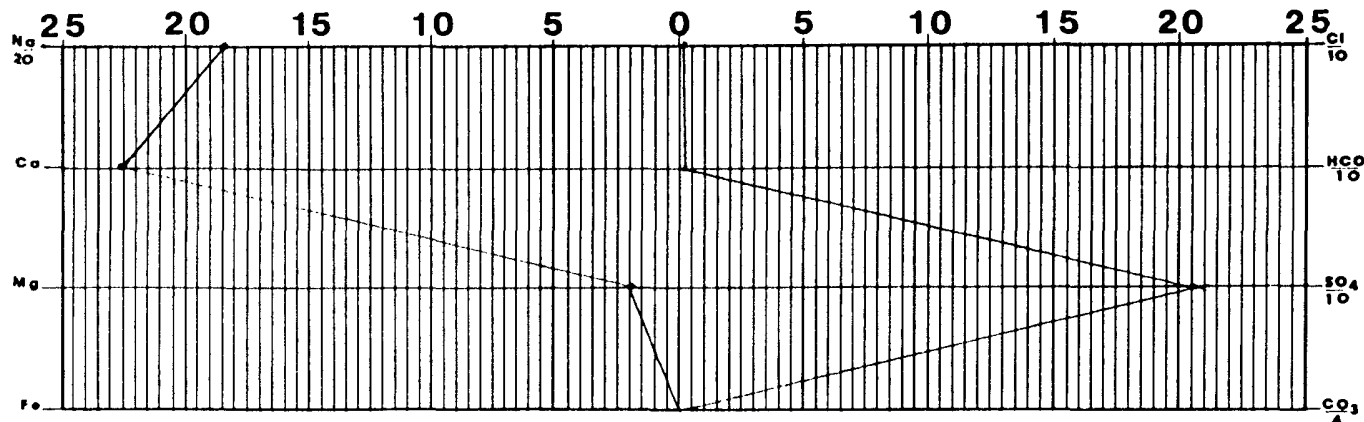
14,810

Iron, Fe (total)
Sulfide, as H₂S

0

REMARKS & RECOMMENDATIONS:

Mark McFarland



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