

9 - 30-045-12187
12 - 30-045-20893

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

Operator MERIDIAN OIL CO. Location: Unit A Sec. 29 Twp. 30 Rng. 9

Name of Well/Wells or Pipeline Serviced Mansfield # 9 & # 12

Elevation _____ Completion Date 8/15/90 Total Depth 295 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. 100 to 110 sample taken

Depths gas encountered: _____

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

3300 lbs. Ashbury Petroleum Coke

Depths anodes placed: 270, 260, 250, 240, 230, 220, 210, 200, 190, 180

Depths vent pipes placed: 1" PVC Pipe 300 ft.

Vent pipe perforations: Perforated 200 ft.

Remarks: _____

RECEIVED
SEP 04 1990
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 8-15-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check																																																																																																																								
842-W	MANSfield #9			☒ Good ☐ Bad																																																																																																																								
	MANSfield #12																																																																																																																											
Location:	Anode Size:	Anode Type:	Size Bit:																																																																																																																									
A29-30.9	2" X 60"	ANOTEC	6 3/4"																																																																																																																									
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used																																																																																																																								
295'	285'		3300#																																																																																																																									
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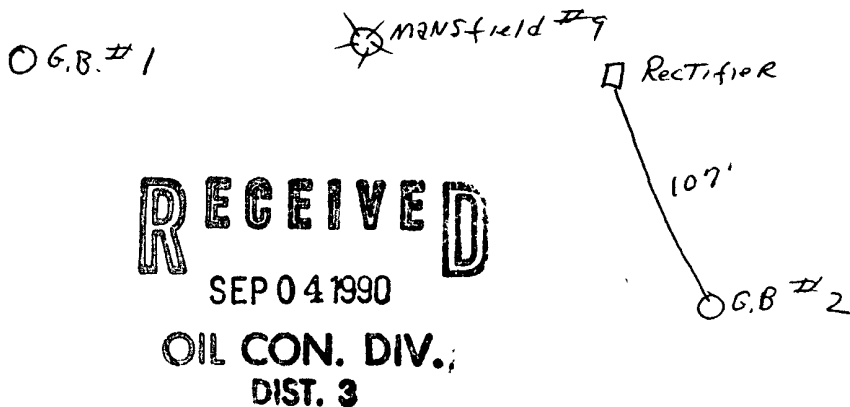
Remarks: DRILLER Said WET 110' to 120'. Waited 2 hrs. while DRILLER went to Shop. Blew WATER and got WATER Sample ON 8-14-90. 8-15-90 loaded hole. Ran 300' of 1" PVC VENT Pipe - Perforated 200' of VENT Pipe. Left coke approximately 130'

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 107'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Stella L. Smith Jr.
(Signature)

GROUND BED LAYOUT SKETCH



MANSfield #12

CONSTRUCTION LOGGING READINGS

Meridan Oil

CPS #: 842-W WELL NAME: Mansfield # 9+12 LOCATION: A29-30-9 DATE: 8-15-90

TOTAL VOLTS: 11.7 TOTAL AMPS: 15.6 OHMS RESISTANCE: .75

												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	2.9		365			545			1	270	3.0	4.5
10			190	2.8	9	370			550			2	260	2.3	4.3
15			195	2.7		375			555			3	250	2.5	4.5
20			200	2.6	8	380			560			4	240	2.5	4.3
25			205	2.5		385			565			5	230	1.9	3.4
30			210	2.8	7	390			570			6	220	2.6	4.7
35			215	3.0		395			575			7	210	3.3	5.8
40			220	2.3	6	400			580			8	200	3.0	5.5
45			225	1.9		405			585			9	190	3.4	5.7
50			230	1.7	5	410			590			10	180	1.5	4.3
55			235	2.2		415			595						
60			240	2.1	4	420			600						
65			245	2.1		425			605						
70			250	2.1	3	430			610						
75			255	2.0		435			615						
80			260	2.2	2	440			620						
85			265	2.8		445			625						
90			270	2.5	1	450			630						
95			275	2.2		455			635						
100	9.0		280	2.0		460			640						
105	1.0		285	2.0	T.D	465			645						
110	1.0		290			470			650						
115	1.0		295			475			655						
120	1.1		300			480			660						
125	1.4		305			485			665						
130	2.5		310			490			670						
135	2.4		315			495			675						
140	2.2		320			500			680						
145	2.2		325			505			685						
150	1.8		330			510			690						
155	1.4		335			515			695						
160	1.3		340			520			700						
165	1.2		345			525			705						
170	1.4		350			530			710						
175	1.4		355			535			715						
180	2.0	10	360			540			720						

REMARKS: Driller Said wet at 110' to 120'. Waited 2 hrs. while driller went shop. Blew water. Got water sample

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

WELL NAME:	WELL NUMBER:	SECTION:	TOWNSHIP:	RANGE:
MANsfield # 9 & 12	#9	A-29	30	9

WATER AT:

FEET:

HOLE MADE:

110'

295

[illegible]

REMARKS:

REMARKS: SET 20' 8" PVC CASING - WAITED AND GOT A WATER
SAMPLE AT 110'. DRILLED TO 295' QUIT WHEN SAND WAS IN COUNTER
DUE TO GAS POSSIBLY.

Driller

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No.

Company <u>Meridian</u>		Sample No.		Date Sampled <u>8-14-90</u>	
Field <u>CPS-842-W</u>		Legal Description <u>A 29-30-9</u>		County or Parish State	
Lease or Unit		Well <u>Mansfield #9</u>		Depth <u>110'-120'</u>	
Type of Water (Produced, Supply, etc.)		Formation		Water, B/D	
Sampling Point		Sampled By			

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>170</u>	<u>5.7</u>
Calcium, Ca	<u>400</u>	<u>20</u>
Magnesium, Mg	<u>41</u>	<u>3.4</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.70</u>
Specific Gravity, 60/60 F.	<u>1.005</u>
Resistivity (ohm-meters) <u>75°</u> F.	<u>3.95</u>

Total Dissolved Solids (calc.)

1968

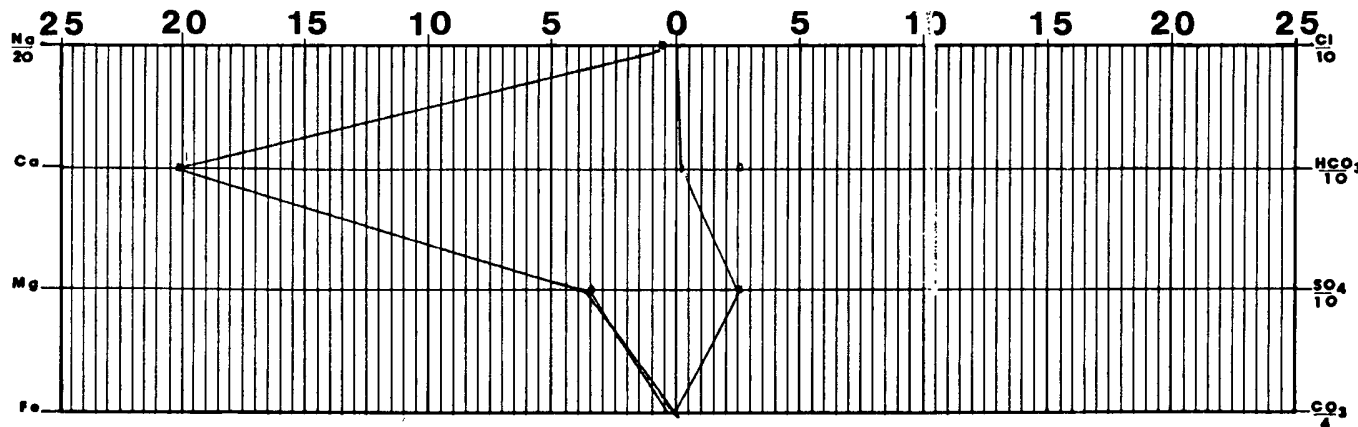
ANIONS

Chloride, Cl	<u>27</u>	<u>35</u>
Sulfate, SO_4	<u>1230</u>	<u>26</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>140</u>	<u>2.3</u>

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received <u>8-22-90</u>	Preserved	Date Analyzed <u>8-23-90</u>	Analyzed By <u>RA</u>
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4/197



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333 East Main
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87401
505/327-3311