

1A-30-045-21726
6-30-045-09228
251-30-045-27038

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

(Submit 3 copies to OCD Aztec Office)

Operator Meridian Oil Co Location: Unit E Sec 29 Twp 30 Rng 9W

Name of Well/Wells or Pipeline Serviced MANSFIELD 1-A, 6 & 251

Elevation _____ Completion Date _____ Total Depth 290 Land Type* F

Casing, Sizes, Types & Depths _____

If Casing is 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 when possible:

Fresh, Clear, Salty, Sulphur, Etc. _____

Depths gas encountered: _____

Type & amount of coke breeze used: _____

Depths anodes placed: _____

Depths vent pipes placed: _____

Vent pipe perforations: _____

Remarks: See ATTACHED

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.

CONSTRUCTION LOGGING READINGS

Meridian 0.1

CPS #: 65-W WELL NAME: MONSfield #1/A-2516 LOCATION: E29-30-9 DATE: 7-20-90

TOTAL VOLTS: 12.7 TOTAL AMPS: 10.8 OHMS RESISTANCE: 1.17

												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		365			545			1	265	1.1	1.9
10			190	1.6	7	370			550			2	245	1.2	2.5
15			195	1.1		375			555			3	235	1.8	2.7
20			200	1.1	6	380			560			4	225	1.3	2.2
25			205	1.4		385			565			5	210	1.0	2.2
30			210	1.2	5	390			570			6	200	1.4	3.0
35			215	1.80		395			575			7	190	1.6	3.5
40			220	1.50		400			580			8	180	2.4	4.0
45			225	1.0	4	405			585			9	125	1.0	1.9
50			230	1.0		410			590			10	115	1.0	2.1
55			235	1.3	3	415			595						
60			240	1.4		420			600						
65			245	1.2	2	425			605						
70			250	1.80		430			610						
75			255	1.70		435			615						
80	1.1		260	1.80		440			620						
85	1.1	11	265	1.0	1	445			625						
90	.70		270	1.80		450			630						
95	1.60		275	1.80		455			635						
100	1.50		280	1.80		460			640						
105	1.60		285	1.40		465			645						
110	1.70		290	1.80	1.0	470			650						
115	1.90	10	295			475			655						
120	1.90		300			480			660						
125	1.90	9	305			485			665						
130	1.50		310			490			670						
135	1.50		315			495			675						
140	1.50		320			500			680						
145	1.50		325			505			685						
150	1.60		330			510			690						
155	1.70		335			515			695						
160	1.80		340			520			700						
165	1.60		345			525			705						
170	1.40		350			530			710						
175	1.40		355			535			715						
180	1.5	8	360			540			720						

REMARKS: DRILLER Said WET AT 80' WAITED 30 MIN. Did NOT get WATER Sample. DRILLED TO 290' hit POSSIBLE WATER and gas sand. DRILLER said He had 2 mud BOOT AT 80' When coming out of hole. POSSIBLE water at THIS depth

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

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Drilling Log (Attach Hereto) ☐

Completion Date 7-20-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
65-W	Mansfield #1A			☐ Good ☐ Bad
	Mansfield #6			
	Mansfield #251			
Location:	Anode Size:	Anode Type:	Size Bar:	
E29-30-9	2" X 60"	ANOTEC	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
290	290		3850	
Anode Depth				
# 1 265	# 2 245	# 3 235	# 4 225	# 5 210
# 6 200	# 7 190	# 8 180	# 9 125	# 10 115
Anode Output (Amps)				
# 1 1.9	# 2 2.5	# 3 2.7	# 4 2.2	# 5 2.2
# 6 3.0	# 7 3.5	# 8 4.0	# 9 1.9	# 10 2.1
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 12.7	Amps 10.8	Ohms 1.17		

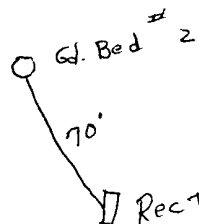
Remarks: Driller said wet at 80'. Waited 30 min, NO WATER. Drilled to 290' with AIR. Driller said hit sand with possible water and gas, stopped drilling. Ran 290' of 1" Vent Pipe, Perforated 210' of Vent Pipe. Left coke breeze approximately 80' from surface.

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: _____ 10'
 Ditch & 1 Cable: _____ 70'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: _____ 1

All Construction Completed

Hills L. Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH



RECEIVED
 AUG 28 1990
 OIL CON. DIV.]
 DIST. 3

* Mansfield #6



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

DESCRIPTION OF FORMATION

[illegible]

REMARKS:

REMARKS: Pulled mud boat at 80', drilled dry, waited 1 hr. on water. Stopped when heavy sand formation was encountered, due to possibility of shifting gas.

Driller

Driller Brian L. Burge

Tool Dresser