

58 = 30-045-05701
181 - 30-045-20308
DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator MERIDIAN OIL CO. Location: Unit C Sec. 26 Twp 26 Rng 9

Name of Well/Wells or Pipeline Serviced Huerfano # 58 & # 181

Elevation _____ Completion Date 8/13/90 Total Depth 360 Land Type _____

Casing Strings, Sizes, Types & Depths 20 ft. 8" casing

If Casing Strings are cemented, show amounts & types used cemented

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. wet sand 100 to 110, water at 195, got a sample

Depths gas encountered: _____

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

355 ft. with 3300 lbs. Ashbury Petroleum Coke used

Depths anodes placed: 340, 330, 320, 310, 300, 275, 265, 255, 245, 235

Depths vent pipes placed: 360 ft. 1"

Vent pipe perforations: 250 perforated

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 8-13-90

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
927-W	HUERFANO # 58			☒ Good ☐ Bad
	HUERFANO # 181			
Location:		Anode Size:	Anode Type:	Size Bit:
C26-26-9		2" X 60"	ANOTEC	6 3/4"
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Gels Used	Lost Circulation Mat'l Used
360'	355'		3300 #	
Anode Depth				
# 1 340	# 2 330	# 3 320	# 4 310	# 5 300
# 6 275	# 7 265	# 8 255	# 9 245	# 10 235
Anode Output (Amps)				
# 1 4.1	# 2 5.8	# 3 6.2	# 4 6.1	# 5 5.3
# 6 4.1	# 7 6.2	# 8 6.1	# 9 6.0	# 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	
Volts 12.1 Amps 19.9 Ohms .60			No. 2 C.P. Cable Used	

Remarks: DRILLER Said Wet at 100' to 110', waited 30 minutes, did NOT Blow water. DRILLER Said Wet at 195', waited 20 minutes, Blow water, got water sample. Water has BENTONITE in it and might NOT settle out - Ran 360' of 1" PVC VENT Pipe, Perforated 250'. Left coke breeze at approximately 190'

Rectifier Size: _____ V _____ A
 Addn'l Depth: _____
 Depth Credit: _____
 Extra Cable: 10'
 Ditch & 1 Cable: 94'
 25' Meter Pole: _____
 20' Meter Pole: _____
 10' Stub Pole: _____
 Junction Box: 1

All Construction Completed

Willis L. Knight Jr.
(Signature)

GROUND BED LAYOUT SKETCH

☆ # 181

RECEIVED

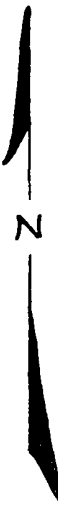
SEP 04 1990

OIL CON. DIV
DIST. 3

☐ Rectifier

GB #2

☆ # 58



CONSTRUCTION LOGGING READINGS

Meridan O.I

CPS #: 927-W WELL NAME: HURCAVE #58+181 LOCATION: C26-49 DATE: 8-13-90

TOTAL VOLTS: 12.1 TOTAL AMPS: 19.9 OHMS RESISTANCE: .60

												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			365			545			1	340	2.4	4.1
10			190			370			550			2	330	2.5	5.8
15			195	1.50		375			555			3	320	2.8	6.2
20			200	1.40		380			560			4	310	2.4	6.1
25			205	1.50		385			565			5	300	2.6	5.3
30			210	1.60		390			570			6	275	1.6	4.1
35			215	1.70		395			575			7	265	2.6	6.2
40			220	1.3		400			580			8	255	2.5	6.1
45			225	1.3		405			585			9	245	3.0	6.0
50			230	1.7		410			590			10	235	2.0	5.0
55			235	1.7	10	415			595						
60			240	2.1		420			600						
65			245	2.3	9	425			605						
70			250	2.1		430			610						
75			255	2.1	8	435			615						
80			260	2.1		440			620						
85			265	2.1	7	445			625						
90			270	1.9		450			630						
95			275	1.3	6	455			635						
100			280	1.60		460			640						
105			285	1.60		465			645						
110			290	1.80		470			650						
115			295	1.7		475			655						
120			300	2.1	5	480			660						
125			305	2.1		485			665						
130			310	2.0	4	490			670						
135			315	2.2		495			675						
140			320	2.2	3	500			680						
145			325	2.1		505			685						
150			330	2.0	2	510			690						
155			335	2.1		515			695						
160			340	2.0	1	520			700						
165			345	1.7		525			705						
170			350	1.6		530			710						
175			355	1.6	T.D	535			715						
180			360			540			720						

REMARKS: DRILLER said wet at 100'-110', waited 30 minutes, Did NOT Blow water. DRILLER said wet 195', waited 20 minutes Blow water out of hole. got water sample

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

Tool Dresser

API WATER ANALYSIS REPORT FC RM

Laboratory No.

Company <u>MERIDIAN</u>		Sample No.		Date Sampled <u>8-13-90</u>	
Field <u>CPS 927-W</u>		Legal Description <u>C 26-26-9</u>		County or Parish State	
Lease or Unit		Well <u>Huerfano #181 + 58</u>	Depth <u>195'</u>	Formation	Water, B/D
Type of Water (Produced, Supply, etc.)			Sampling Point		Sampled By

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>292</u>	<u>12.7</u>
Calcium, Ca	<u>2</u>	<u>0.1</u>
Magnesium, Mg	<u>—</u>	<u>—</u>
Barium, Ba	<u>—</u>	<u>—</u>
	<u> </u>	<u> </u>
	<u> </u>	<u> </u>

OTHER PROPERTIES

pH	<u>8.35</u>
Specific Gravity, 60/60 F.	<u>—</u>
Resistivity (ohm-meters) ____ F.	<u>approx 12</u>
	<u> </u>
	<u> </u>

Total Dissolved Solids (calc.)

950

ANIONS

Chloride, Cl	<u>21</u>	<u>0.6</u>
Sulfate, So ₄	<u>408</u>	<u>8.5</u>
Carbonate, CO ₃	<u>3</u>	<u>0.1</u>
Bicarbonate, HCO ₃	<u>223</u>	<u>8.6</u>
	<u> </u>	<u> </u>
	<u> </u>	<u> </u>

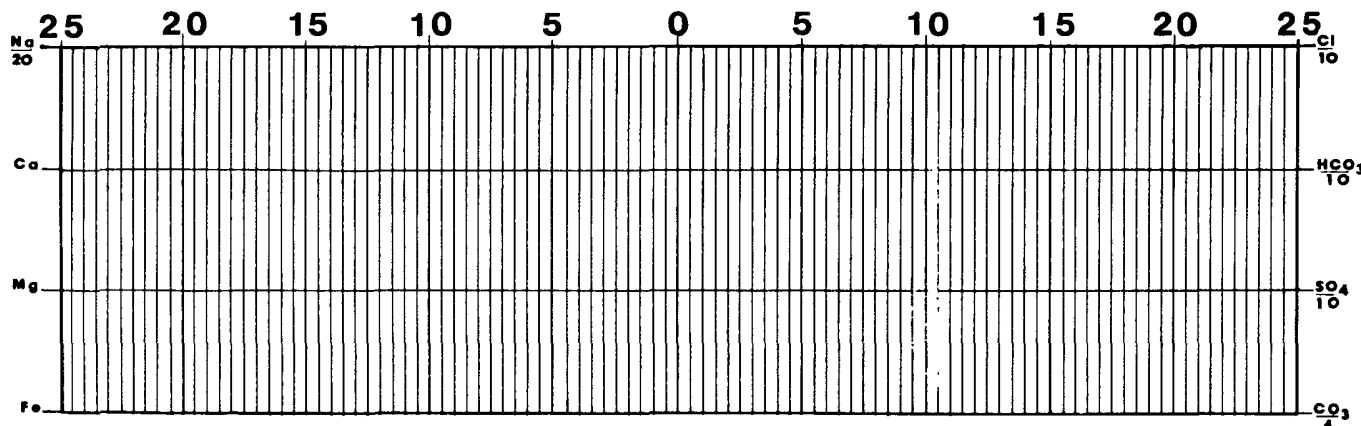
Iron, Fe (total)

Sulfide, as H₂S

0

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received <u>8-22-90</u>	Preserved	Date Analyzed <u>8-23-90</u>	Analyzed By <u>DRP</u>
---------------------------------	-----------	---------------------------------	---------------------------

4197



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