

88-30-045-05701

4334

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.

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

cps 927w

Elevation 6448' Completion Date 8/13/90 Total Depth 360 Land Type N/A

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
N/A

Depths & thickness of water zones with description of water: Fresh, Cl
Salty, Sulphur, Etc. wet sand 100 to 110, water at 195, got a sample

Depths gas encountered: N/A

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: gp #2

If any of the above data is unavailable, please indicate so. Copies of logs, including Drillers Log, Water Analyses & Wellbore 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.

RECEIVED
MAX 3/19/91
COM. DIST. 2 D/I

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 #	Status:	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. Coke 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	No. 2 C.P. Cable Used
Volts 12.1	Amps 19.9	Ohms .60		

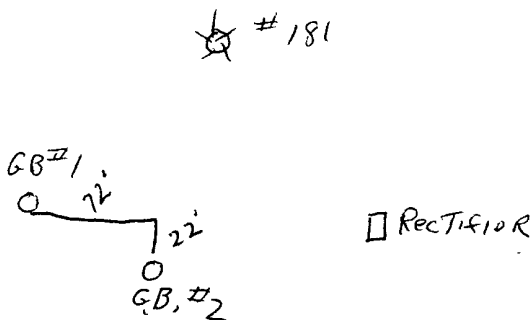
Remarks: DRILLER Said WET AT 100' TO 110', WAITED 30 MINUTES, DID NOT BLOW WATER
 DRILLER Said WET AT 195', WAITED 20 MINUTES, BLOW WATER, GOT WATER SAMPLE
 WATER HAS BENTONITE IN IT AND MIGHT NOT SETTLE OUT - RAN 360' OF 1" PVC
 VENT PIPE, PERFORATED 250'. LEFT COKE BREEZE AT APPROXIMATELY 190'

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



CONSTRUCTION LOGGING READINGS

MARIDAN O.1

CPS #: 927-W WELL NAME: Huerfano #58+181 LOCATION: c26-4-9 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	.50		375			555			3	320	2.8	6.2
20			200	.40		380			560			4	310	2.4	6.1
25			205	.50		385			565			5	300	2.6	5.3
30			210	.60		390			570			6	275	1.6	4.1
35			215	.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	.60		460			640						
105			285	.60		465			645						
110			290	.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 Blew water out of hole. got water sample

BURGE CORROSION SYSTEMS, INC.

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

COMPANY Meridian Oil DAILY DRILLING REPORT 8-13 1990

WELL NAME:

Huerfano 181

WELL NUMBER:

181 58

SECTION:

TOWNSHIP:**RANGE:**

WATER AT:

FEET:

HOLE MADE:

795'-200'

360'

DESCRIPTION OF FORMATION

[illegible]

REMARKS:

REMARKS: Hot water sample at 195'. Set 20' PVC CASING
and cemented

Driller

Brian E. Burge

Tool Dresser

API WATER ANALYSIS REPORT FORM

Laboratory No.

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

DISSOLVED SOLIDS

CATIONS

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

ANIONS

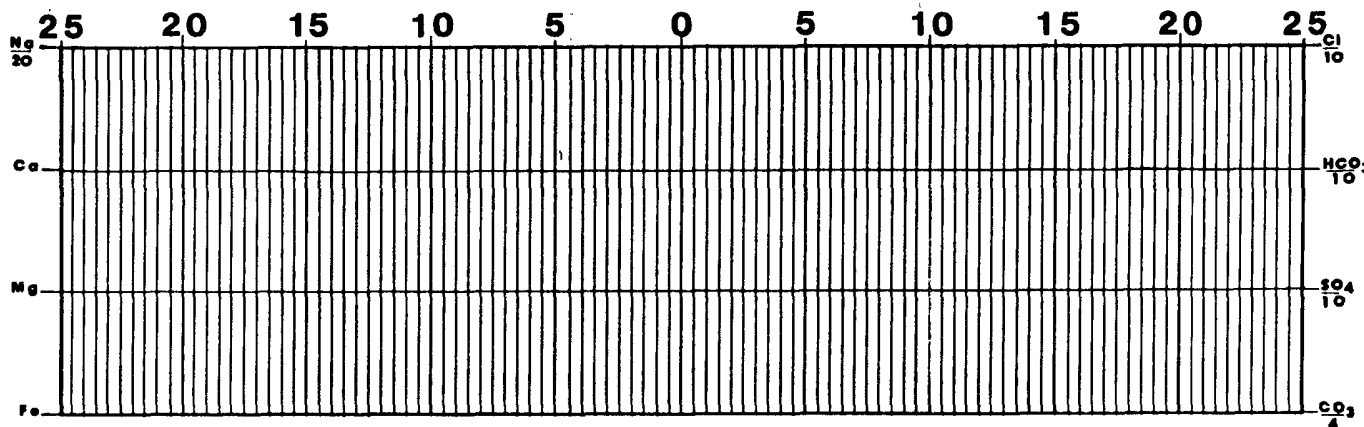
Chloride, Cl	21	0.6
Sulfate, SO_4	408	8.5
Carbonate, CO_3	3	0.1
Bicarbonate, HCO_3	223	8.6

OTHER PROPERTIES

pH	8.35
Specific Gravity, 60/60 F.	—
Resistivity (ohm-meters) _____ F.	approx 12
Total Dissolved Solids (calc.)	950
Iron, Fe (total)	—
Sulfide, as H_2S	0

REMARKS & RECOMMENDATIONS:

Mark McFarland



Date Received 8-22-90	Preserved	Date Analyzed 8-23-90	Analyzed By [Signature]
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