

3200

E

3a 045 26671

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

Operator MERIDIAN OIL INC. Location: Unit A Sec. 11 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #184E

cps 1981w

Elevation 6672' Completion Date 7/14/88 Total Depth 400' Land Type* N/A

Casing, Sizes, Types & Depths NONE SET

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. 160'

RECEIVED

MAY 21 1991.

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

OIL CON. DIV.
DIST. 3

Depths anodes placed: 380', 370', 350', 340', 330', 240', 232', 225'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #2

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

Comp 2-22-88

Drilling Log (Attach Hereto) ☒Completion Date 7-14-88

CPS #		Well Name, Line or Plant		Work Order #		Static:		Ins. Union Check	
19B1W		Duriron unit 184E		54535A				☐ Good ☐ Bad	
Location:		Anode Size		Anode Type		Size Bit			
A11-26-10		2 1/2" x 5'		Duriron		6 3/4			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
475		465							
Anode Depth		# 1		# 2		# 3		# 4	
430		420		380		370		350	
Anode Output (Amps)		# 1		# 2		# 3		# 4	
7.6		4.5		5.1		4.5		4.2	
Anode Depth		# 11		# 12		# 13		# 14	
Anode Output (Amps)		# 11		# 12		# 13		# 14	
Total Circuit Resistance		Volts		Amps		Ohms		No. 8 C.P. Cable Used	
		11.8		26.2		.45		No. 2 C.P. Cable Used	

Remarks: Driller said water to be at 160'. No surface casing. Installed 470' of 1" PVC vent pipe, bottom 250' perforated. G.B. #1 has 4 anodes, hole #2 has 8 anodes. ~~Two~~ Anodes 3 & 4 in hole #1 were not approved, hole #1 collapsed while being loaded. Anodes 3 and 4 in hole #1 are flagged

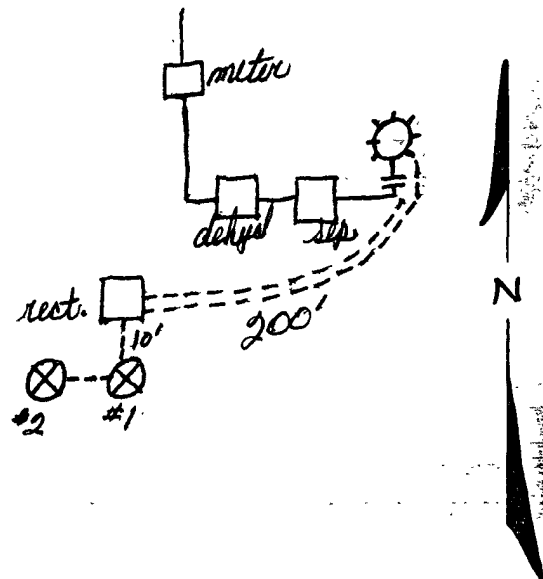
Rectifier Size: 40 V 16 A 669.00-
 Addn'l Depth: 35' @ 3.50 -122.50 ✓
 Depth Credit: 35' @ 3.50 -122.50 ✓
 Extra Cable: 30' 230 @ .24 55.20 ✓
 Ditch & 1 Cable: 210' @ .70 147.00 ✓
 25' Meter Pole: 1 @ 307.00 307.00 -
 20' Meter Pole: _____
 10' Stub Pole: _____

GROUND BED LAYOUT SKETCH

1 junction box 225.00 -
 5354.70 -
 tot 5622.44 - 0697

All Construction Completed

Calvin Rodman
(Signature)



6672

DATE SHEET NO. _____

COMPANY _____ JOB NO. _____ DATE: _____

WELL _____ PIPELINE: _____

LOCATION: SEC _____ TWP _____ RGE. _____ CO. _____ STATE _____

ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL _____ FT: CASING _____

GROUNDING: DEPTH _____ FT. DIA. _____ IN. GAS _____ LBS. ANODES _____

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
60			1.6					
65	#2 hole		1.5					
70			1.7					
75			1.9					
80			1.9					
85			1.7					
90			1.3					
95			0.9					
300			1.3					
5			1.1					
10			1.1					
15			1.6					
20			1.7					
25			1.3					
30			2.1		2.4	4.8	5	3.30
35			2.4					
40			2.4		2.7	5.5	8	3.40
45			2.4					
50			2.2		2.2	4.2	3	3.50
55			1.7					
60			1.7					
65			2.0					
70			2.1		2.3	4.5	2	3.70
75			2.2					
80			2.5		2.5	5.1	1	3.80
85			2.1					
90			2.5					
95								
400	G. L. 400							
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								

GROUNDING RESISTANCE: (1) VOLTS _____ - AMPS _____ - OHMS _____

(2) VIBROGROUND _____ OHMS _____

GENERAL CATHODIC PROTECTION SERVICES CO.

A. LUKENS COMPANY

WELL TYPE GROUND BED DATA

26.2A

B A SHEET NO. _____

COMPANY 17 PERIDIAN OIL JOB NO. 13/28 DATE: 7-14-98
 WELL: HUERTANO #184 E PIPELINE: _____
 LOCATION: SEC 11 TWP. 24 RGE. 20 CO. SAN JUAN STATE NMEX
 ELEV. _____ FT: ROTARY 400 FT: CABLE TOOL -0- FT: CASING -0- FT:
 GROUND BED: DEPTH 400 FT. DIA. 6 3/4 IN. CAS. 4000 LBS. ANODES 8 2X60 TYPEA

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE		WITH COKE		ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I				
	TEST WATER 160									
50										
55	# 2 HOLE									
60										
65										
70										
75										
80										
85										
90										
95										
100										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
200										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										

GROUND BED RESISTANCE: (1) VOLTS 11.8 - AMPS 27.8 - OHMS

(2) VIBROGROUND: _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A. LUKENS COMPANY

WELL TYPE GROUNDED DATA

DATA SHEET NO. _____

COMPANY MERIDIAN OIL JOB No. 13128 DATE: 7-12-88
 WELL: HUEFAND # 184 E PIPELINE: _____
 LOCATION: SEC 11 TWP. 26 RGE. 10 CO. SAN JUAN STATE N.MEX
 ELEV. _____ FT: ROTARY 400 FT: CABLE TOOL -0- FT: CASING -0- FT.
 GROUNDED: DEPTH _____ FT. DIA. 6 3/4 IN. GAS _____ LBS. ANODES 24/60 TYPE E

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE		WITH COKE		ANODE NO.	DEPTH. TOP OF ANODES
		E	I	R	I	I	I	I		
	First water 160									
50										
55										
60	hole #1									
65										
70										
75										
80										
85										
90										
95										
100										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
200										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										

GROUNDED RESISTANCE: (1) VOLTS _____ - AMPS _____ = _____ OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUXENS COMPANY

COMPANY _____ JOB NO. _____ DATE _____
 WELL _____ PIPELINE _____
 LOCATION: SEC _____ TWP _____ RGE. _____ CO. _____ STATE _____
 ELEV. _____ FT: ROTARY _____ FT: CABLE TOOL _____ FT: CASING _____
 GROUNDING: DEPTH _____ FT. DIA. _____ IN. GAS _____ LBS. ANODES _____

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
60			1.4					
65			1.6					
70	hole #1		2.0					
75			1.9					
80			1.7					
85			1.4					
90			0.9					
95			0.8					
300			1.3					
5			1.4					
10			1.3					
15			1.6					
20			1.2					
25			1.6					
30			2.3V				10	330
35			2.2V					
40			2.3V				9	340
45			2.1					
50			2.0				8	350
55			2.0					
60			2.0					
65			2.0V				7	360
70			2.0					
75			2.3V		2.6		6	370
80			2.1V					
85			2.2V		2.6		5	380
90			2.5V					
95			2.6					
400			2.7V		3.0	3.4	4	400
5			2.4					
10			2.5V		3.0	3.3	3	400
15			2.3V					
20			3.4V		2.7	4.5	(2)	420
25			2.6					
30			2.4V		2.6	7.6	(1)	430
35			2.3					
40			2.5V					
45			2.5					
50			2.4V					
60			2.7					
65			2.8					
70								
75								

80

GROUNDING RESISTANCE (1) VOLTS _____ - AMPS _____ - OHMS _____

(2) VIBROGROUND _____ OHMS _____

GENERAL CATHODIC PROTECTION SERVICES CO.

D. CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. Huerfano-184-E Date 7-12-88

Client Meridian Oil Co. Prospect _____

County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	20	Shale
20	30	Sandstone
30	80	Shale
80	110	SAND -
110	135	Shale
135	180	SAND -
180	195	Shale
195	225	Sandstone
225	380	SANDY Shale
380	480	Shale

Mud _____ Brm _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 160'

Driller Rennic Brown

#2

D. CRASS DRILLING CO.

Drill No. 3

1981

DRILLER'S WELL LOG

S. P. No. Huerfano #184-F Date 7-14-88Client Meridian Oil Co. Prospect _____County SAN JUAN State New Mex.If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	20	SANDY shale
20	35	SANDstone
35	85	Shale
85	115	SAND
115	135	Shale
135	180	SAND ✓
180	190	Shale
190	220	SANDstone
220	370	SANDY shale
370	400	Shale

Mud _____ Bron _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 160'Driller Ronnie Brown