

3207

181E-30-045-26657

59-30-045-05707

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 B Sec. 26 Twp 26 Rng 9Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #181E, #59

cps 1975w

Elevation 6470' Completion Date 7/6/88 Total Depth 365' Land Type* N/ACasing, Sizes, Types & Depths NONE SETIf 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. 165'**RECEIVED**

MAY 21 1991

Depths gas encountered: N/A**OIL CON. DIV.**
DIST. 3Type & amount of coke breeze used: N/ADepths anodes placed: 305', 295', 285', 275', 245', 235', 225', 215', 205', 195'Depths vent pipes placed: 360'Vent pipe perforations: 260'Remarks: gb #1

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 7-6-88

CPS #		Well Name, Line or Plant:		Work Order #		Static:		Ins. Union Check	
1975W		Puerfano unit 181E # 59		54533A 2054533A		100SE = 903		☒ Good ☐ Bad	
Location: B26-26-09		Anode Size: 2" x 60"		Anode Type: Duriron		Size Bit: 6 3/4			
Depth Drilled 365		Depth Logged 355		Drilling Rig Time		Total Lbs. Goke Used		Lost Circulation Mat'l Used	
Anode Depth									
# 1 305	# 2 295	# 3 285	# 4 275	# 5 245	# 6 235	# 7 225	# 8 215	# 9 205	# 10 195
Anode Output (Amps)									
# 1 5.1	# 2 5.8	# 3 5.0	# 4 5.0	# 5 5.2	# 6 6.5	# 7 4.8	# 8 5.4	# 9 6.2	# 10 6.0
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 11.9		Amps 27.5		Ohms .43					

Remarks: Driller said water to be at 165', water sample was taken. 360' of 1" PVC vent pipe installed, bottom 260' perforated. No surface casing was installed

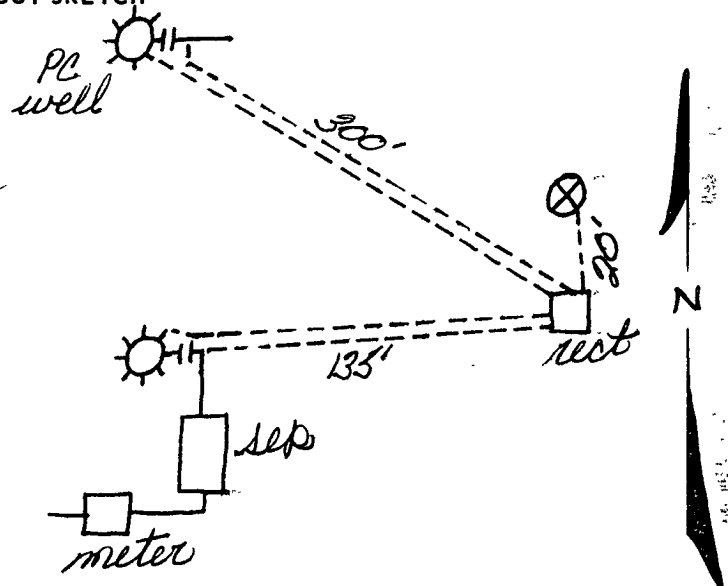
Rectifier Size: 40 V 16 A 4074.00
 Addn'l Depth: 145' @ 3.50 507.50
 Extra Cable: 485' @ .24 116.40
 Ditch & 1 Cable: 455' @ .70 318.50
 25' Meter Pole: 1 @ 307.00 307.00
 20' Meter Pole: _____
 10' Stub Pole: _____

GROUND BED LAYOUT SKETCH

1 function box 225.00
5202.40
 Tax 280.12
5462.52 at 93

All Construction Completed

Calvin Rockman
(Signature)



6470

WELL TYPE GROUND BED DATA

DATE SHEET NO.

COMPANY MERTLEMAN OIL JOB No. 13128 DATE: 7-6-88
 WELL: HORREAN 0 - # 181 E PIPELINE:
 LOCATION: SEC 26 TWP 26 RGE. 9 CO. SAN JUAN STATE N MEX
 ELEV. _____ FT: ROTARY 360 FT: CABLE TOOL -0- FT: CASING -0-
 GROUND BED: DEPTH 365 FT. DIA. 6 3/4 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	I	I		
50	FIRST WATER 185							
55	SAND							
60								
65								
70								
75								
80								
85								
90								
95								
100								
51								
101								
105								
110								
115								
120								
125								
130								
135								
140								
145								
150								
155								
160								
165								
170								
175								
180								
185	SHALE							
190								
195								
200								
51								
101								
151								
201								
251								
301								
351								
401								
451								
501								
551								

GROUND BED RESISTANCE (1) VOLTS 11.9 - AMPS 27.5 - OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

DA. SHEET NO. _____

COMPANY _____ JOB No. 13128 DATE: 7-6-88

WELL: HVERFANO # 191 E PIPELINE: _____

LOCATION: SEC 26 TWP 26 RGE. 9 CO. SAW TOWN STATE N. MEX

ELEV. _____ FT. ROTARY _____ FT. CABLE TOOL -0- FT. CASING -0- FT.

GROUND BED: 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	SHALE		1.4					
65			1.8					
70			2.1					
75			2.3		2.6	5.0	4	275
80			2.1					
85			2.0		2.6	5.0	3	285
90			2.1					
95			2.3		2.8	5.8	2	295
300			2.1					
5			2.2		2.6	5.1	1	305
10	SAND & SHALE		1.7					
15			1.5					
20			1.2					
25			1.2					
30			0.9					
35			1.4					
40			1.8					
45			1.8					
50			1.2					
55			1.2					
60	T. D. 365							
65								
70								
75								
80								
85								
90								
95								
100								
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								

GROUND BED RESISTANCE: (1) VOLTS _____ - AMPS _____ - OHMS _____

(2) VIBROGROUND _____ OHMS _____

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUXENS COMPANY

D. CRASS DRILLING CO.

Drill No. 3

1975

DRILLER'S WELL LOG

S. P. No. Huerfano 181-E Date 7-6-88

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	30	SANDstone
30	50	SANDy Shale
50	60	Shale
60	100	SANDy Shale
100	120	SANDstone
120	150	Shale
150	170	SAND ✓
170	245	Shale
245	265	SANDstone
265	315	Shale
315	360	SANDy Shale

Mud _____ Bran _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 165'

Driller Ronnie Brown