

3211

E

30-045-26660

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 M Sec. 28 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #205E
1971w

Elevation 6630' Completion Date 6/28/88 Total Depth 320' 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. 165' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 270', 260', 250', 240', 230', 215', 205', 195', 185', 175'

Depths vent pipes placed: 320'

Vent pipe perforations: 220'

Remarks: gb #1

RECEIVED

MAY 31 1991

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 6-28-88

CPS #		Well Name, Line or Plant		Work Order #		Static		Ins. Union Check	
1971W		Durham Unit 205E		24542A 2054542A		6005 = .920		☐ Good ☒ Bad	
Location		Anode Size		Anode Type		Size Bit			
M28-26-09		2" x 60"		Duriron		6 3/4			
Depth Drilled		Depth Logged		Drilling Rig Time		Total Lbs. Coke Used		Lost Circulation Mat'l Used	
320'		315'							
Anode Depth									
# 1 270	# 2 260	# 3 250	# 4 240	# 5 230	# 6 215	# 7 205	# 8 195	# 9 185	# 10 175
Anode Output (Amps)									
# 1 6.1	# 2 7.4	# 3 7.1	# 4 5.6	# 5 5.7	# 6 6.4	# 7 5.5	# 8 8.0	# 9 7.4	# 10 5.7
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		Amps		Ohms .454					

Remarks: Driller said moisture to at 165'. Installed 320' of 1" PVC vent pipe, bottom 220' perforated. Surface casing was not installed, no water sample. Union at well head is a hammer union and checks bad.

Rectifier Size: 40 V 16 A 669.00

Add'l Depth

Depth Credit: 185' @ 3.50 -647.50

Extra Cable: 195' @ .24 46.80

Ditch & 1 Cable: 185' @ .70 129.50

25' Meter Pole:

20' Meter Pole:

10' Stub Pole: 1 @ 158.00

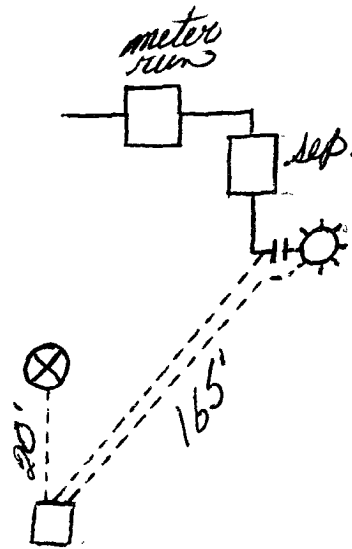
1 Junction Box

GROUND BED LAYOUT SKETCH

158.50
225.00
4635.30
tot 232.77
4888.07 OK *considered*

All Construction Completed

Calvin R. Rasmussen
(Signature)



6630

CAT SHEET NO. _____

COMPANY _____ JOB No. 312 DATE: 12-27-88WELL: WIERMAN # 205 E PIPELINE: _____LOCATION: SEC. 28 TWP. 26 RGE. 21 CO. SAN JUAN STATE N.M.ELEV. _____ FT: ROTARY 320 FT: CABLE TOOL 10 FT: CASING 10GROUNDED: DEPTH 320 FT. DIA. 1 3/4 IN. GAS 3200 LBS. ANODES 10 2000 TYPE E

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
50	FRESH WATER 465 2000							
55								
60								
65								
70								
75								
80								
85								
90								
95								
100								
5								
10								
15								
20								
25								
30								
35								
40								
45								
50	SHALE		2.5					
55			2.2					
60			1.5					
65			1.5					
70			1.5					
75			2.2		3.0	5.7	10	175
80			2.5					
85			2.4		2.9	7.4	9	185
90			2.5					
95		2.5	2.5		3.0	8.0	8	195
2000			2.3					
5			2.4		2.8	3.5	7	205
10			2.2					
15			2.5		3.2	6.4	6	215
20			2.3					
25			2.2					
30			2.3		2.6	5.7	5	230
35		2.2	2.2					
40			2.2		2.6	5.6	4	240
45			2.2					
50			2.2		2.8	7.1	3	250
55			2.3					

GROUNDED RESISTANCE, (1) VOLTS 12.3 - AMPS 27.1 - OHMS

C1 VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A. LUKENS 3000

COMPANY _____ JOB No. _____ DATE: _____

WELL _____ PIPELINE: _____

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

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

GROUND BED: DEPTH _____ FT: DIA. _____ IN. GAS _____ LBS. ANODES _____

DEPTH F.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I		
60	SLAKE		2.6		3.0	7.4	2.	260
65			2.4					
70			2.5		3.2	6.1	1.	270
75			2.2					
80	SAND		1.7					
85			1.4					
90			1.1					
95			0.9					
300			0.9					
5			0.7					
10			0.8					
15			1.8					
20								
25								
30	T D 320							
35								
40								
45								
50								
55								
60								
65								
70								
75								
80								
85								
90								
95								
400								
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.

LITTONS 13000

D. CRASS DRILLING CO.

Drill No. 3

1971

DRILLER'S WELL LOG

S. P. No. Huerfano #205-E Date 6-28-88
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	50	SANDSTONE
50	155	SHALE
155	165	SAND
165	205	SANDY SHALE
205	280	SHALE
280	290	SANDY SHALE
290	320	SANDSTONE

Mud _____ Brn _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 165

Driller Ronnie Brown