

3878

30-045-26539

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. 32 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #245E

cps 1966w

Elevation 6641' Completion Date 6/21/88 Total Depth 420' Land Type* N/A

Casing, Sizes, Types & Depths 20' CASING

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. 130' NO SAMPLE

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 395', 385', 375', 345', 335', 305', 295', 260', 250', 240'

Depths vent pipes placed: 320'

Vent pipe perforations: 320'

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 6-21-88

CPS #	Well Name, Line or Plant:	Work Order #	Static:	Ins. Union Check
1966W	Huerfano 245E	54552A	6005 = .89	☒ Good ☐ Bad
		2054552A		
Location:	Anode Size:	Anode Type:	Size Bit:	
A32-26-10	2" x 60"	Duriron	6 3/4	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used
420'	395'			
Anode Depth				
# 1 395	# 2 385	# 3 375	# 4 345	# 5 335
# 6 305	# 7 295	# 8 260	# 9 250	# 10 240
Anode Output (Amps)				
# 1 6.2	# 2 5.7	# 3 5.4	# 4 3.8	# 5 4.7
# 6 4.8	# 7 4.8	# 8 4.7	# 9 5.2	# 10 4.5
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	Amps 25.8	Ohms .465		

Remarks: Driller said water to be about 130'; no water sample. installed 320' of 1" PVC perforated vent pipe. Installed 20' of surface casing - 1 hr rig time

Rectifier Size: 40 V 16 A 4074.00
 ddn'l Depth 669.00
 Depth Credit: 60' @ 3.50 -210.00
 ra Cable: 245' @ .24 58.80
 ch & 1 Cable: 205' @ .10 199.50

Meter Pole:

Meter Pole:

tub Pole:

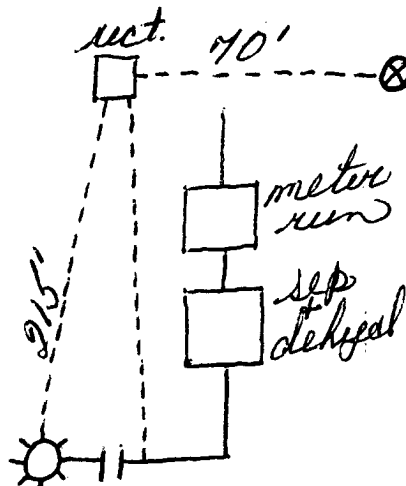
unation Box
 surface casing
 rig time

GROUND BED LAYOUT SKETCH

158.30
 225.00
 110.00
 138.00
 332.80
 tax 267.64
 5620.44 OK

All Construction Completed

Calvin Rodman
 (Signature)



6641

WELL TYPE GROUND BED DATA

TA SHEET NO. 1 of 2

COMPANY MERTIAN OIL JOB NO. 13124 DATE: 6-21-88
 WELL: HUERFANO # 245 E PIPELINE:
 LOCATION: SEC 23 TWP. 26 RGE. 10 CO. SAW TOWN STATE 1 MEX
 ELEV. _____ FT: ROTARY 420 FT: CABLE TOOL -0- FT: CASING 2.0
 GROUND BED: DEPTH 420 FT. DIA. 6 3/4 IN. GAS 4200 LBS. ANODES 10 2460 TYPE

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO	WITH	ANODE	DEPTH. TOP OF ANODES
					COKE	COKE	NO.	
		E	I	R	I	I		
50	FAST WATER 190							
55	SAND							
60								
65								
70								
75								
80								
85								
90								
95								
100								
5								
10								
15								
20								
25								
30								
35								
40	SAND & SHALE			2.3				
45				2.4				
50				2.4				
55				2.2				
60				2.2				
65				2.3				
70				2.3				
75				2.2				
80				2.2				
85				2.3				
90				2.2				
95				2.1				
200				2.1				
5				1.6				
10				1.3				
15				0.8				
20				0.7				
25				0.7				
30				0.7				
35				1.4				
40				2.1	2.4	4.5	10	2.4
45				2.1				
50				2.1	2.7	5.2	9	2.5
55				2.0				

GROUND BED RESISTANCE: (1) VOLTS 12.0 - AMPS 25.8 - 0.47 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

WELL TYPE GROUND BED DATA³D. A SHEET NO. 2 of 2

COMPANY MERCEIAN OIL JOB NO. 13128 DATE: 6-21-88
 WELL: HUERFANO #245 E PIPELINE: _____
 LOCATION: SEC. 23 TWP. 26 RGE. 10 CO. SAN JUAN STATE N. MEX
 ELEV. _____ FT: ROTARY 420 FT: CABLE TCCL -0- FT: CASING 20 FT.
 GROUND BED: DEPTH 420 FT. DIA. 6 3/4 IN. GAS 4200 LBS. ANODES 10 2X60 Type I

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I		
60	SHALE	1.8			2.2	4.7	(1)	260
65		1.7						
70		1.6						
75		1.3						
80		1.2						
85		1.0						
90		0.8						
95		1.7			2.6	4.8	(1)	295
300		2.2						
5		2.2			2.7	4.8	(1)	305
10		2.3						
15		2.1						
20		1.7						
25		1.6						
30		1.4						
35		1.9			2.4	4.7	(1)	335
40		2.0						
45		1.8			2.2	3.8	(1)	345
50		1.3						
55		1.1						
60		1.0						
65		1.4						
70		2.0						
75		2.1			2.5	5.1	(1)	375
80		2.2						
85		2.2			2.8	5.7	(2)	385
90		2.3						
95		2.4			3.0	6.2	(1)	395
400		2.0						
5	V.D. 420	1.0						
10		0.8						
15		0						
20								
25								
30								
35								
40								
45								
50								

GROUND BED RESISTANCE: (1) VOLTS 12.0 - AMPS 25.8 - 0.47 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

LUXENS CORP.

D. CLASS DRILLING CO.

DATE 3

1968

DRILLER'S WELL LOG

S. T. No. 16-21-88 Date 6-21-88
Client M. J. Co. Prospect _____
County New Mex. State New Mex.

There is a reliable original staked position show distance
and elevations shown _____

FROM	TO	FORMATION — COLOR — HARDNESS
15	16	Shale
16	17	
17	18	
18	19	Shale
19	20	
20	21	one
21	22	Shale
22	23	Shale

Time _____
Hr. _____
Brand _____