

3206

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30-045-23835

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 0 Sec. 35 Twp 26 Rng 09Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #283

1976w

Elevation 6401' Completion Date 7/7/88 Total Depth 204' Land Type\* N/ACasing, Sizes, Types & Depths 20'If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths &amp; amounts used

N/A

Depths &amp; thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 70'Depths gas encountered: N/AType & amount of coke breeze used: N/ADepths anodes placed: 110', 100', 90', 80', 70'Depths vent pipes placed: 215'Vent pipe perforations: 140'Remarks: gb #1**RECEIVED**  
MAY 81 1991  
OIL CON. DIV  
DET. 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) ☒

Comp. 7-11-88  
Completion Date 7-7-88

|                          |  |                           |  |                   |  |                       |  |                                                                       |  |
|--------------------------|--|---------------------------|--|-------------------|--|-----------------------|--|-----------------------------------------------------------------------|--|
| CPS #                    |  | Well Name, Line or Plant: |  | Work Order #      |  | State:                |  | Ins. Union Check                                                      |  |
| 1976W                    |  | Huelano unit 283          |  | 45249A            |  | 8005- <del>2774</del> |  | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |  |
| Location:                |  | Anode Size:               |  | Anode Type:       |  | Size Bit:             |  |                                                                       |  |
| 035-26-09                |  | 1/2" x 20"                |  | Lisla             |  | 6"                    |  |                                                                       |  |
| Depth Drilled            |  | Depth Logged              |  | Drilling Rig Time |  | Total Lbs. Coke Used  |  | Lost Circulation Mat'l Used                                           |  |
| 204                      |  | 195                       |  |                   |  |                       |  |                                                                       |  |
| Anode Depth              |  |                           |  |                   |  |                       |  |                                                                       |  |
| # 1 70 to # 2 110        |  | # 3                       |  | # 4               |  | # 5                   |  | # 6                                                                   |  |
| Anode Output (Amps)      |  |                           |  |                   |  |                       |  |                                                                       |  |
| # 1 16.2 # 2             |  | # 3                       |  | # 4               |  | # 5                   |  | # 6                                                                   |  |
| Anode Depth              |  |                           |  |                   |  |                       |  |                                                                       |  |
| # 11                     |  | # 12                      |  | # 13              |  | # 14                  |  | # 15                                                                  |  |
| Anode Output (Amps)      |  |                           |  |                   |  |                       |  |                                                                       |  |
| # 11                     |  | # 12                      |  | # 13              |  | # 14                  |  | # 15                                                                  |  |
| Total Circuit Resistance |  |                           |  |                   |  |                       |  |                                                                       |  |
| Volts 12.0               |  | Amps 16.2                 |  | Ohms .74          |  | No. 8 C.P. Cable Used |  | No. 2 C.P. Cable Used                                                 |  |

Remarks: Driller said water to be at 70'; water sample was taken. Installed 20' surface casing, 1 hr. rig time. 215' of 1" PVC vent pipe bottom 140' perforated. 1 five anode string, anodes 10' center to center, total length 40'. Hole logged with 3" x 3 1/2' duriron anode. Metallurgical coke to 125'; 70' of coke 60 with anodes, Metallurgical G.B. 4073.00 coke from 75' to surface.

Rectifier Size: 40 V 16 A 669.00

Addn'l Depth

Depth Credit: 305' @ 3.50 -1067.50 ✓

Extra Cable: 160' @ .24 38.40 ✓

Ditch &amp; 1 Cable: 440' @ .70 308.00 ✓

25' Meter Pole: 1 @ 307.00 307.00 ✓

20' Meter Pole:

10' Stub Pole:

20' surface casing 110.00 ✓

1 hr. rig time 138.00 ✓

4575.90 ✓

tax 228.80 ✓

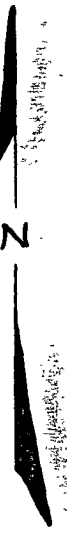
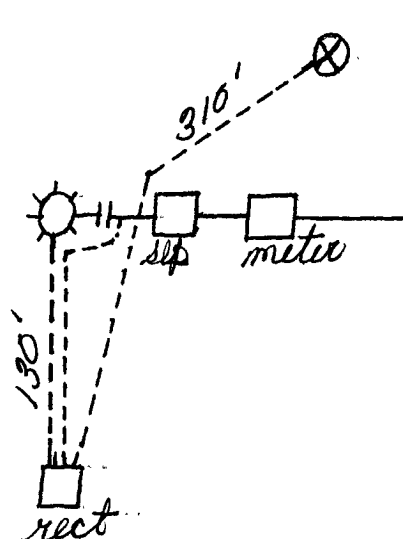
4804.70 ✓

OK 98

All Construction Completed

*Carlo Rockman*  
(Signature)

## GROUND BED LAYOUT SKETCH



## WELL TYPE GROUND BED DATA

SHEET NO. \_\_\_\_\_

COMPANY \_\_\_\_\_ JOB No. \_\_\_\_\_ DATE: \_\_\_\_\_

WELL: HUERTANO #283 PIPELINE: \_\_\_\_\_LOCATION: SEC 35 TWP. 26 RGE. 9 CO. SHAWNEE STATE OKELEV. \_\_\_\_\_ FT. ROTARY 200 FT. CABLE TOOL 0 FT. CASING 20 FT.GROUNDED: DEPTH \_\_\_\_\_ FT. DIA. 6 IN. GAS \_\_\_\_\_ LBS. ANODES \_\_\_\_\_

| DEPTH<br>FT. | DRILLER'S LOG         | EXPLORING ANODE<br>TO STRUCTURE |   |   | NO<br>COKE | WITH<br>COKE | ANODE<br>NO. | DEPTH<br>TOP OF<br>ANODES |
|--------------|-----------------------|---------------------------------|---|---|------------|--------------|--------------|---------------------------|
|              |                       | E                               | I | R |            |              |              |                           |
|              | <u>FIRST WATER TO</u> |                                 |   |   |            |              |              |                           |
| 50           |                       |                                 |   |   |            |              |              |                           |
| 55           |                       |                                 |   |   |            |              |              |                           |
| 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           |                       |                                 |   |   |            |              |              |                           |

GROUNDED RESISTANCE: (1) VOLTS 12.0 - AMPS 18.2 OHMS

(2) VIBROGROUND \_\_\_\_\_ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

D. CRASS DRILLING CO.

Drill No. 3

1974

DRILLER'S WELL LOG

S. P. No. Huerfano-283-DAK Date 6-7-88  
Client Mcridian O. 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    | 10  | SAND                         |
| 10   | 40  | Shale                        |
| 40   | 80  | SAND ✓                       |
| 80   | 125 | Shale                        |
| 125  | 135 | SANDSTONE                    |
| 135  | 175 | Shale                        |
| 175  | 200 | SANDSTONE                    |
|      |     |                              |
|      |     |                              |
|      |     |                              |
|      |     |                              |
|      |     |                              |

Mud \_\_\_\_\_ Brn \_\_\_\_\_ Lime \_\_\_\_\_

Rock Bit Number \_\_\_\_\_ Make \_\_\_\_\_

Remarks: Water @ 20'  
Set 20' casing 1 Hr

Driller Lonnie Brown