

3202

30-045-26681

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 K Sec. 36 Twp 27 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #128E

cps 1980w

Elevation 6501' Completion Date 7/11/88 Total Depth 225' 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. 90'

Depths gas encountered: N/A

Type & amount of coke breeze used: CARBO 60 TO 145', METALURGICAL TO SURFACE.

Depths anodes placed: 185', 175', 165', 155', 145'

Depths vent pipes placed: 320'

Vent pipe perforations: 140'

Remarks: gb #1

RECEIVED

MAY 21 1991

OIL CON. DIV.

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 7-13-88  
 Completion Date 7-11-88

|                          |                           |                   |                       |                                                                       |
|--------------------------|---------------------------|-------------------|-----------------------|-----------------------------------------------------------------------|
| CPS #                    | Well Name, Line or Plant: | Work Order #      | Static:               | Ins. Union Check                                                      |
| 1980W                    | Fluxfan unit 12BE         | 54577A            | 600W = .804           | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |
| Location:                | Anode Size:               | Anode Type:       | Size Bit:             |                                                                       |
| K36-27-10                | 1/2" x 20"                | Lida              | 6"                    |                                                                       |
| Depth Drilled            | Depth Logged              | Drilling Rig Time | Total Lbs. Coke Used  | Lost Circulation Mat'l Used                                           |
| 225                      | 215                       |                   |                       |                                                                       |
| Anode Depth              |                           |                   |                       |                                                                       |
| # 1 185 to 145           | # 3                       | # 4               | # 5                   | # 6                                                                   |
| Anode Output (Amps)      |                           |                   |                       |                                                                       |
| # 1 17.8                 | # 2                       | # 3               | # 4                   | # 5                                                                   |
| Anode Depth              |                           |                   |                       |                                                                       |
| # 11                     | # 12                      | # 13              | # 14                  | # 15                                                                  |
| Anode Output (Amps)      |                           |                   |                       |                                                                       |
| # 11                     | # 12                      | # 13              | # 14                  | # 15                                                                  |
| Total Circuit Resistance |                           |                   |                       |                                                                       |
| Volts 12.4               | Amps 17.8                 | Ohms .69          | No. 8 C.P. Cable Used | No. 2 C.P. Cable Used                                                 |

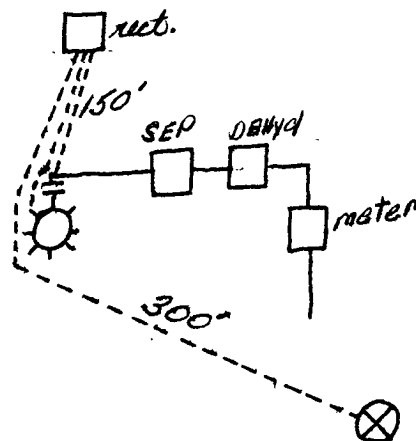
Remarks: Driller said water to be 90' no surface casing. Installed 220' of 1" PVC vent pipe, bottom 140' perforated. 1 five anode string, anodes 10' center to center, total length 40'. Cables 60 cable with anodes to 145' after letting cables settle overnight, had 70' of fill. Metallurgical to surface. Hole was logged with 2" x 2 1/2' diameter anode.

G.B. 4073.00 -  
 Rectifier Size: 40 V 16 A 669.00 -  
 Addn'l Depth  
 Depth Credit: 285' @ 3.50 - 997.50 -  
 Extra Cable: 180' @ .24 43.20 -  
 Ditch & 1 Cable: 450' @ .70 315.00 -  
 25' Meter Pole: 1 @ 307.00 307.00 -  
 20' Meter Pole:  
 10' Stub Pole:

## GROUND BED LAYOUT SKETCH

4409.70 -  
 tot 220.49 -  
 4630.19 / 01.83

All Construction Completed

 Calvin Rockman  
 (Signature)


6501

COMPANY MERIDIAN OIL JOB No. 1378 DATE: 7-11-88  
 WELL: HUERFANO #128 E PIPELINE: \_\_\_\_\_  
 LOCATION: SEC 36 TWP. 27 RGE. 10 CO. SAN JUAN STATE N MEX  
 ELEV. \_\_\_\_\_ FT: ROTARY 220 FT: CABLE TOOL -6- FT: CASING -0-  
 GROUND BED: DEPTH 225 FT. DIA. 6 IN. GAS 2250 RES. ANODES 5 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 | I          | I            |              |                            |
| 50            | First WATER 90 |                                 |   |   |            |              |              |                            |
| 55            |                |                                 |   |   |            |              |              |                            |
| 60            |                |                                 |   |   |            |              |              |                            |
| 65            |                |                                 |   |   |            |              |              |                            |
| 70            |                |                                 |   |   |            |              |              |                            |
| 75            |                |                                 |   |   |            |              |              |                            |
| 80            |                |                                 |   |   |            |              |              |                            |
| 85            |                |                                 |   |   |            |              |              |                            |
| 90            |                |                                 |   |   |            |              |              |                            |
| 95            |                |                                 |   |   |            |              |              |                            |
| 100           |                |                                 |   |   | 1.1        |              |              |                            |
| 5             |                |                                 |   |   | 1.2        |              |              |                            |
| 10            |                |                                 |   |   | 1.4        |              |              |                            |
| 15            |                |                                 |   |   | 1.0        |              |              |                            |
| 20            |                |                                 |   |   | 1.0        |              |              |                            |
| 25            |                |                                 |   |   | 1.2        |              |              |                            |
| 30            |                |                                 |   |   | 1.0        |              |              |                            |
| 35            |                |                                 |   |   | 1.3        |              |              |                            |
| 40            |                |                                 |   |   | 1.8        |              |              |                            |
| 45            |                |                                 |   |   | 1.5        |              |              |                            |
| 50            |                |                                 |   |   | 1.7        |              |              |                            |
| 55            |                |                                 |   |   | 1.8        |              |              |                            |
| 60            |                |                                 |   |   | 1.8        |              |              |                            |
| 65            |                |                                 |   |   | 1.7        |              |              |                            |
| 70            |                |                                 |   |   | 1.6        |              |              |                            |
| 75            |                |                                 |   |   | 1.7        |              |              |                            |
| 80            |                |                                 |   |   | 1.4        |              |              |                            |
| 85            |                |                                 |   |   | 1.5        |              |              |                            |
| 90            |                |                                 |   |   | 1.4        |              |              |                            |
| 95            |                |                                 |   |   | 1.4        |              |              |                            |
| 200           |                |                                 |   |   | 1.0        |              |              |                            |
| 5             |                |                                 |   |   | 0.6        |              |              |                            |
| 10            |                |                                 |   |   | 1.1        |              |              |                            |
| 15            |                |                                 |   |   | 1.1        |              |              |                            |
| 20            | V. D 225       |                                 |   |   |            |              |              |                            |
| 25            |                |                                 |   |   |            |              |              |                            |
| 30            |                |                                 |   |   |            |              |              |                            |
| 35            |                |                                 |   |   |            |              |              |                            |
| 40            |                |                                 |   |   |            |              |              |                            |
| 45            |                |                                 |   |   |            |              |              |                            |
| 50            |                |                                 |   |   |            |              |              |                            |
| 55            |                |                                 |   |   |            |              |              |                            |

GROUND BED RESISTANCE: (1) VOLTS 12.4 - AMPS 17.8 - .69 OHMS

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

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

D. CRASS DRILLING CO.

Drill No. 3

1980

DRILLER'S WELL LOG

S. P. No. HuesFano unit #1285 Date 7-11-88

Client Meridian 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    | 15  | Sandy Shale                  |
| 15   | 35  | Sandstone                    |
| 35   | 50  | Shale                        |
| 50   | 85  | Sandstone                    |
| 85   | 100 | SAND ✓                       |
| 100  | 140 | Sandy Shale                  |
| 140  | 180 | Shale                        |
| 180  | 200 | Sandy Shale                  |
| 200  | 225 | Sandstone                    |
|      |     |                              |
|      |     |                              |
|      |     |                              |

Mud \_\_\_\_\_ Brm \_\_\_\_\_ Lime \_\_\_\_\_

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

Remarks: Water @ 90'

Driller Ronnie Brown