

3208

E

30-045-26668

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. 29 Twp 26 Rng 09

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #193E

cps 1974w

Elevation 6526' Completion Date 7/1/88 Total Depth 360' 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. 130'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 335', 325', 285', 275', 265', 255', 245', 235', 225', 210'

Depths vent pipes placed: 360'

Vent pipe perforations: 250'

Remarks: gb #1

RECEIVED  
MAY 21 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) ☒

COMP 11-6-88 Completion Date 7-1-88

|                                             |                          |                     |                       |                                                                       |
|---------------------------------------------|--------------------------|---------------------|-----------------------|-----------------------------------------------------------------------|
| CPS #                                       | Well Name, Line or Plant | Work Order #        | Static                | Ins. Union Check                                                      |
| 1974 W                                      | Durham unit 193E         | 54537A<br>2054537A  | 6005 = 1.00           | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |
| Location: 829-26-09<br><del>829-26-10</del> | Anode Size: 2" x 60"     | Anode Type: Duriron | Size Bit: 63/4        |                                                                       |
| Depth Drilled: 360'                         | Depth Logged: 355'       | Drilling Rig Time   | Total Lbs. Goke Used  | Lost Circulation Mat'l Used                                           |
| Anode Depth                                 |                          |                     |                       |                                                                       |
| # 1 335                                     | # 2 325                  | # 3 285             | # 4 275               | # 5 265                                                               |
| # 6 255                                     | # 7 245                  | # 8 235             | # 9 225               | # 10 210                                                              |
| Anode Output (Amps)                         |                          |                     |                       |                                                                       |
| # 1 5.4                                     | # 2 6.0                  | # 3 5.6             | # 4 5.8               | # 5 6.6                                                               |
| # 6 6.5                                     | # 7 6.6                  | # 8 5.8             | # 9 5.2               | # 10 5.0                                                              |
| 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 11.8                                  | Amps 28.2                | Ohms .41            |                       |                                                                       |

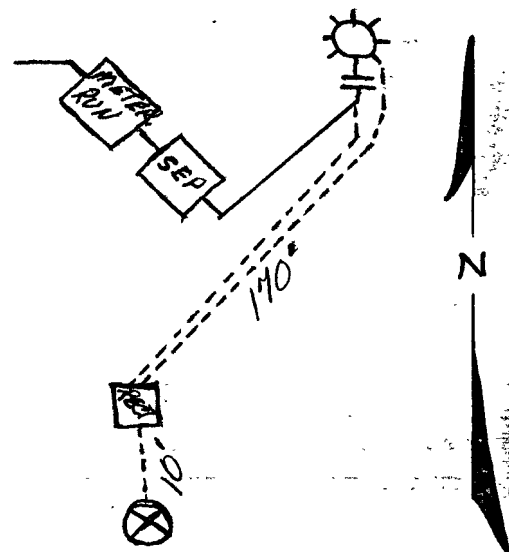
Remarks: Driller said water to be at 130'; water was taken  
No surface casing installed. Installed 360' of 1" PVC  
vent pipe, bottom 250' perforated. Water sample  
would not settle out.

G. B. 4074.00 -  
Rectifier Size: 40 V 16 A 669.00 -  
Addn'l Depth  
Depth Credit: 145' @ 3.50 - 507.50 -  
Extra Cable: 300' @ .24 48.00 -  
Ditch & 1 Cable: 180' @ .70 126.00 -  
25' Meter Pole:  
20' Meter Pole:  
10' Stub Pole: 1 @ 158.50 158.50  
1 Junction Box 235.00

GROUND BED LAYOUT SKETCH  
4793.00  
Tax 239.65  
5032.65 OK Q3

All Construction Completed

Calvin Reedman  
(Signature)



6524

COMPANY: \_\_\_\_\_ JOB No. 13128 DATE: 7-1-88  
 WELL: HUEDEANO # 19.3 E PIPELINE: \_\_\_\_\_  
 LOCATION: SEC 29 TWP 26 RGE. 9 CO. SAN JUAN STATE N MEX  
 ELEV. \_\_\_\_\_ FT: ROTARY 340 FT: CABLE TOOL \_\_\_\_\_ FT: CASING \_\_\_\_\_  
 GROUNDING: DEPTH 340 FT. DIA. \_\_\_\_\_ 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   | I          | I            |              |                           |
| 50           | FIRST WATER 130 |                                 |   |     |            |              |              |                           |
| 55           |                 |                                 |   |     |            |              |              |                           |
| 60           |                 |                                 |   |     |            |              |              |                           |
| 65           |                 |                                 |   |     |            |              |              |                           |
| 70           |                 |                                 |   |     |            |              |              |                           |
| 75           |                 |                                 |   |     |            |              |              |                           |
| 80           |                 |                                 |   |     |            |              |              |                           |
| 85           |                 |                                 |   |     |            |              |              |                           |
| 90           |                 |                                 |   |     |            |              |              |                           |
| 95           |                 |                                 |   |     |            |              |              |                           |
| 100          |                 |                                 |   |     |            |              |              |                           |
| 5            |                 |                                 |   |     |            |              |              |                           |
| 10           |                 |                                 |   |     |            |              |              |                           |
| 15           |                 |                                 |   |     |            |              |              |                           |
| 20           |                 |                                 |   |     |            |              |              |                           |
| 25           |                 |                                 |   |     |            |              |              |                           |
| 30           |                 |                                 |   | 1.0 |            |              |              |                           |
| 35           |                 |                                 |   | 1.0 |            |              |              |                           |
| 40           |                 |                                 |   | 1.1 |            |              |              |                           |
| 45           |                 |                                 |   | 1.1 |            |              |              |                           |
| 50           |                 |                                 |   | 2.1 |            |              |              |                           |
| 55           |                 |                                 |   | 2.2 |            |              |              |                           |
| 60           |                 |                                 |   | 2.1 |            |              |              |                           |
| 65           |                 |                                 |   | 2.1 |            |              |              |                           |
| 70           |                 |                                 |   | 2.0 |            |              |              |                           |
| 75           |                 |                                 |   | 1.8 |            |              |              |                           |
| 80           |                 |                                 |   | 1.5 |            |              |              |                           |
| 85           |                 |                                 |   | 1.3 |            |              |              |                           |
| 90           |                 |                                 |   | 1.2 |            |              |              |                           |
| 95           |                 |                                 |   | 1.2 |            |              |              |                           |
| 200          |                 |                                 |   | 1.7 |            |              |              |                           |
| 5            |                 |                                 |   | 1.9 |            |              |              |                           |
| 10           |                 |                                 |   | 2.0 | 2.6        | 5.0          | 10.          | 210                       |
| 15           |                 |                                 |   | 2.0 |            |              |              |                           |
| 20           |                 |                                 |   | 1.9 |            |              |              |                           |
| 25           |                 |                                 |   | 2.2 | 2.4        | 5.2          | 9.           | 225                       |
| 30           |                 |                                 |   | 2.1 |            |              |              |                           |
| 35           |                 |                                 |   | 2.0 | 2.7        | 5.8          | 8.           | 235                       |
| 40           |                 |                                 |   | 2.0 |            |              |              |                           |
| 45           |                 |                                 |   | 2.2 | 3.0        | 6.6          | 7.           | 245                       |
| 50           |                 |                                 |   | 2.2 |            |              |              |                           |
| 55           |                 |                                 |   | 2.2 | 2.8        | 6.5          | 6.           | 255                       |

GROUNDING RESISTANCE: (1) VOLTS 11.8 - AMPS 28.2 - .41 OHMS

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

GENERAL CATHODIC PROTECTION SERVICES CO.

A LUKENS COMPANY

COMPANY \_\_\_\_\_ JCB No. \_\_\_\_\_ DATE: \_\_\_\_\_

WELL: \_\_\_\_\_ PIPELINE: \_\_\_\_\_

LOCATION: SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RGE. \_\_\_\_\_ CO. \_\_\_\_\_ STATE \_\_\_\_\_

ELEV. \_\_\_\_\_ FT: ROTARY \_\_\_\_\_ FT: CABLE TOOL \_\_\_\_\_ FT: CASING \_\_\_\_\_ FT

GROUNDING: DEPTH \_\_\_\_\_ FT. DIA. \_\_\_\_\_ IN. GAS \_\_\_\_\_ LBS. ANCHORS \_\_\_\_\_

| DEPTH.<br>F. | 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            |              |                            |
| 60           |               |                                 | 2.2 |   |            |              |              |                            |
| 65           |               |                                 | 2.1 |   | 3.0        | 6.6          | 5            | 265                        |
| 70           |               |                                 | 2.3 |   |            |              |              |                            |
| 75           |               |                                 | 2.1 |   | 2.5        | 5.8          | 4            | 275                        |
| 80           |               |                                 | 2.0 |   |            |              |              |                            |
| 85           |               |                                 | 2.2 |   | 2.8        | 5.6          | 3            | 285                        |
| 90           |               |                                 | 1.9 |   |            |              |              |                            |
| 95           |               |                                 | 1.8 |   |            |              |              |                            |
| 300          |               |                                 | 1.1 |   |            |              |              |                            |
| 5            |               |                                 | 0.9 |   |            |              |              |                            |
| 10           |               |                                 | 0.6 |   |            |              |              |                            |
| 15           |               |                                 | 0.8 |   |            |              |              |                            |
| 20           |               |                                 | 1.3 |   |            |              |              |                            |
| 25           |               |                                 | 1.9 |   | 2.9        | 6.0          | 2            | 325                        |
| 30           |               |                                 | 2.2 |   |            |              |              |                            |
| 35           |               |                                 | 2.3 |   | 2.9        | 5.4          | 1            | 335                        |
| 40           |               |                                 | 1.9 |   |            |              |              |                            |
| 45           |               |                                 | 1.4 |   |            |              |              |                            |
| 50           |               |                                 | 0.8 |   |            |              |              |                            |
| 55           |               |                                 | 1.2 |   |            |              |              |                            |
| 60           | 90 360        |                                 |     |   |            |              |              |                            |
| 65           |               |                                 |     |   |            |              |              |                            |
| 70           |               |                                 |     |   |            |              |              |                            |
| 75           |               |                                 |     |   |            |              |              |                            |
| 80           |               |                                 |     |   |            |              |              |                            |
| 85           |               |                                 |     |   |            |              |              |                            |
| 90           |               |                                 |     |   |            |              |              |                            |
| 95           |               |                                 |     |   |            |              |              |                            |
| 400          |               |                                 |     |   |            |              |              |                            |
| 5            |               |                                 |     |   |            |              |              |                            |
| 10           |               |                                 |     |   |            |              |              |                            |
| 15           |               |                                 |     |   |            |              |              |                            |
| 20           |               |                                 |     |   |            |              |              |                            |
| 25           |               |                                 |     |   |            |              |              |                            |
| 30           |               |                                 |     |   |            |              |              |                            |
| 35           |               |                                 |     |   |            |              |              |                            |
| 40           |               |                                 |     |   |            |              |              |                            |
| 45           |               |                                 |     |   |            |              |              |                            |
| 50           |               |                                 |     |   |            |              |              |                            |

GROUNDING RESISTANCE: (1) VOLTS \_\_\_\_\_ - AMPS \_\_\_\_\_ = \_\_\_\_\_ OHMS

(2) VEROGROUND \_\_\_\_\_ CHMS-

**GENERAL CATHODIC PROTECTION SERVICES CO.**

4. **LUKENS** : 2000

D. CYASS DRILLING CO.

Drill No. 3

1974

DRILLER'S WELL LOG

S. P. No. Huerfano #193-F-DK Date 7-1-88  
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    | 20  | SANDstone                    |
| 20   | 30  | SAND                         |
| 30   | 45  | SANDY Shale                  |
| 45   | 80  | SAND                         |
| 80   | 120 | Shale                        |
| 120  | 150 | SAND ✓                       |
| 150  | 185 | Shale                        |
| 185  | 195 | SANDstone                    |
| 195  | 295 | Shale                        |
| 295  | 315 | SANDstone                    |
| 315  | 325 | Shale                        |
| 325  | 360 | SANDstone                    |

Mud \_\_\_\_\_ Bran \_\_\_\_\_ Lime \_\_\_\_\_

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

Remarks: Water @ 120'

Driller RONNIE BROWN