

1450

#7-E 30-045-24146

#103 30-045-27750

E

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 L Sec. 14 Twp 31 Rng 12

Name of Well/Wells or Pipeline Serviced EAST #7E, #103

cps 4093w

Elevation 6296' Completion Date 7/10/89 Total Depth 460' Land Type\* N/A

Casing, Sizes, Types & Depths N/A

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. 100' & 140'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 435', 425', 415', 405', 395', 380', 370', 360', 340', 330'

Depths vent pipes placed: 460'

Vent pipe perforations: 380'

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  
CATHOLIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

COMP 7-12-89

Completion Date 7-10-89

Drilling Log (Attach Hereto) ☒

|                          |  |                                |  |                     |  |                      |  |                                                                       |  |
|--------------------------|--|--------------------------------|--|---------------------|--|----------------------|--|-----------------------------------------------------------------------|--|
| CPS #                    |  | Well Name, Line or Plant: #103 |  | Work Order #        |  | Static:              |  | Ins. Union Check                                                      |  |
| 4093-w                   |  | EAST #7-E                      |  | 15421               |  | Re-DRILL             |  | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |  |
| Location: L14-31-12      |  | Anode Size: 2" x 60"           |  | Anode Type: Duriron |  | Size Bit: 6 3/4"     |  |                                                                       |  |
| Depth Drilled: 460'      |  | Depth Logged: 455'             |  | Drilling Rig Time   |  | Total Lbs. Coke Used |  | Lost Circulation Mat'l Used                                           |  |
| No. Sacks Mud Used       |  |                                |  |                     |  |                      |  |                                                                       |  |
| Anode Depth              |  | #1 435'                        |  | #2 425'             |  | #3 415'              |  | #4 405'                                                               |  |
| #5 395'                  |  | #6 380'                        |  | #7 370'             |  | #8 360'              |  | #9 340'                                                               |  |
| #10 330'                 |  |                                |  |                     |  |                      |  |                                                                       |  |
| Anode Output (Amps)      |  | #1 5.9                         |  | #2 5.4              |  | #3 5.8               |  | #4 4.8                                                                |  |
| #5 4.8                   |  | #6 4.2                         |  | #7 5.2              |  | #8 4.8               |  | #9 3.8                                                                |  |
| #10 4.0                  |  |                                |  |                     |  |                      |  |                                                                       |  |
| 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 |  | Volts 12.20                    |  | Amps 24.4           |  | Ohms .500            |  | No. 8 C.P. Cable Used                                                 |  |
| No. 2 C.P. Cable Used    |  |                                |  |                     |  |                      |  |                                                                       |  |

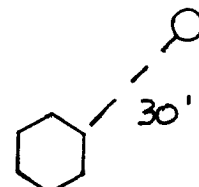
Remarks: DRILLED 460' LOGGED 455'. DRILLER SAID DAMP AT 100' + 140'. INSTALLED 460' of 1" PVC VENT pipe perforated BOTTOM 380'

Rectifier Size: — V — A  
 Addn'l Depth —  
 Depth Credit: 45' 3.75  
 Extra Cable: 10' .20  
 Ditch & 1 Cable: 30' .70  
 25' Meter Pole: —  
 20' Meter Pole: —  
 10' Stub Pole: —  
 Junction Box: 1

All Construction Completed

*M. Williams*  
(Signature)

GROUND BED LAYOUT SKETCH



4093-w

3870.00

- 168.75 ✓

2.00 ✓

21.00 ✓

237.00 ✓

3961.25

198.06 ✓

4160.31

4159.31 22  
Collector

6294

D. CRASS DRILLING CO.

Drill No. 3

Southland Royalty Co. DRILLER'S WELL LOG

S. P. No. EAST # 7E Date 7-10-89

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 |
|------------|------------|------------------------------|
| <u>0</u>   | <u>30</u>  | <u>Shale</u>                 |
| <u>30</u>  | <u>80</u>  | <u>Sandstone</u>             |
| <u>80</u>  | <u>90</u>  | <u>Sandy Shale</u>           |
| <u>90</u>  | <u>110</u> | <u>SAND</u>                  |
| <u>110</u> | <u>130</u> | <u>Shale</u>                 |
| <u>130</u> | <u>145</u> | <u>SAND</u>                  |
| <u>145</u> | <u>195</u> | <u>Shale</u>                 |
| <u>195</u> | <u>210</u> | <u>SANDSTONE</u>             |
| <u>210</u> | <u>260</u> | <u>Shale</u>                 |
| <u>260</u> | <u>310</u> | <u>SANDSTONE</u>             |
| <u>310</u> | <u>330</u> | <u>Shale</u>                 |
| <u>330</u> | <u>345</u> | <u>SANDSTONE</u>             |
| <u>345</u> | <u>460</u> | <u>SANDY SHALE</u>           |
| Mud _____  | Brn _____  | Lime _____                   |

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

Remarks: Damp @ 100' & 140'

Driller Lonnie Brown