

30-039-20519

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 22 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #102R

cps 891w

Elevation 6595' Completion Date 6/29/73 Total Depth 680' 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. WET AT 110'

Depths gas encountered: N/A

Type & amount of coke breeze used: 7500 lbs.

Depths anodes placed: 633', 624', 615', 606', 595', 535', 525', 515', 505', 495'

Depths vent pipes placed: 624'

Vent pipe perforations: 530'

Remarks: gb #1

RECEIVED  
MAY 31 1991  
OIL CON. DIST.

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

*Log*

Drilling Log (Attach Hereto). ☐

Completion Date **6-29-73**

|                                               |                         |                                     |                             |                                |                  |
|-----------------------------------------------|-------------------------|-------------------------------------|-----------------------------|--------------------------------|------------------|
| Well Name<br><b>SJ 30-6 #1024</b>             |                         | Location<br><b>NE 22-30-6</b>       |                             | CPS No.<br><b>891 W</b>        |                  |
| Type & Size Bit Used<br><b>6 3/4</b>          |                         |                                     |                             | Work Order No.<br><b>55208</b> |                  |
| Anode Hole Depth<br><b><del>700</del> 680</b> | Total Drilling Rig Time | Total Lbs. Coke Used<br><b>7500</b> | Lost Circulation Mat'l Used | No. Sacks Mud Used             |                  |
| Anode Depth                                   | # 1                     | # 2                                 | # 3                         | # 4                            | # 5              |
|                                               | <b>633</b>              | <b>624</b>                          | <b>615</b>                  | <b>606</b>                     | <b>595</b>       |
| Anode Output (Amps)                           | # 1                     | # 2                                 | # 3                         | # 4                            | # 5              |
|                                               | <b>1.8</b>              | <b>2.2</b>                          | <b>2.2</b>                  | <b>2.4</b>                     | <b>1.8</b>       |
| Anode Depth                                   | # 6                     | # 7                                 | # 8                         | # 9                            | # 10             |
|                                               | <b>535</b>              | <b>525</b>                          | <b>515</b>                  | <b>505</b>                     | <b>495</b>       |
| Anode Output (Amps)                           | # 6                     | # 7                                 | # 8                         | # 9                            | # 10             |
|                                               | <b>3.2</b>              | <b>2.8</b>                          | <b>3.0</b>                  | <b>2.5</b>                     | <b>2.4</b>       |
| Anode Depth                                   | # 11                    | # 12                                | # 13                        | # 14                           | # 15             |
|                                               |                         |                                     |                             |                                |                  |
| Anode Output (Amps)                           | # 11                    | # 12                                | # 13                        | # 14                           | # 15             |
|                                               |                         |                                     |                             |                                |                  |
| Total Circuit Resistance                      | Volts <b>12.4</b>       |                                     | Amps <b>10.5</b>            |                                | Ohms <b>1.16</b> |
| No. 8 C.P. Cable Used                         |                         |                                     | No. 2 C.P. Cable Used       |                                |                  |

Remarks: **Wet at 110 - Drill with air to 500 - Log 5' of water - Drill to 680 - With air, water at 475 overnite - Vent Perforated 530' to No 2 Anode Pump 40 Bag Coke - out of water - all anodes covered Slurry 35 Bags - Total 75**

All Construction Completed

*Arrels*  
(Signature)

GROUND BED LAYOUT SKETCH

2230.00

570.00 coke

720.00 Depth

1254.50 Rent

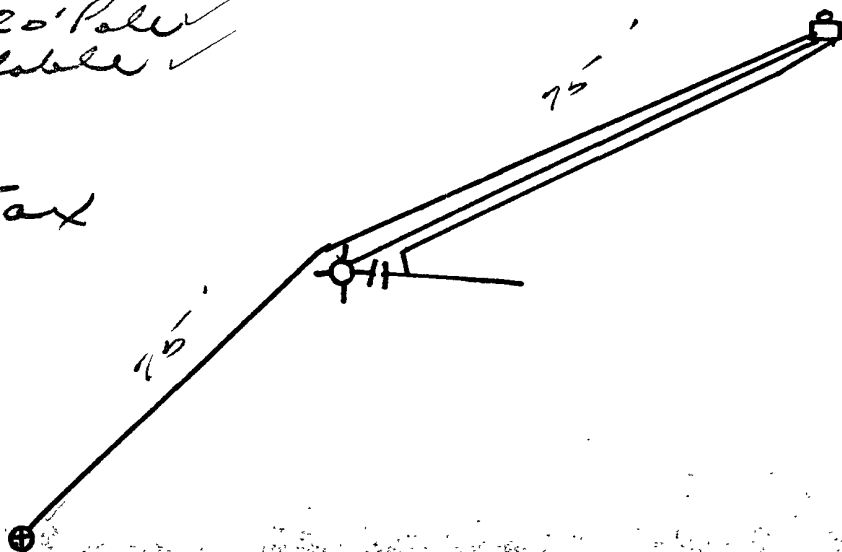
125.00 20' Pole

140.00 cable

4039.50

161.58 Tax

4,201.08



DAILY DRILLING REPORT

C.P.S. # 891-22

LEASE 5.1306 H. LEY WELLS NO.

CONTRACTOR H. M. M.

RIG NO.

REPORT NO.

DATE 6-29-1953

MORNING

DAYLIGHT

EVENING

| Driller        |     |                  |        | Total Men In Crew                |      |     |             | Driller        |        |      |     | Total Men In Crew                |        |        |  |
|----------------|-----|------------------|--------|----------------------------------|------|-----|-------------|----------------|--------|------|-----|----------------------------------|--------|--------|--|
| FROM           | TO  | FORMATION        | WT-BIT | R.P.M.                           | FROM | TO  | FORMATION   | WT-BIT         | R.P.M. | FROM | TO  | FORMATION                        | WT-BIT | R.P.M. |  |
| 0              | 110 | Big Sand         |        |                                  | 300  | 490 | Sand        |                |        | 620  | 680 | Sand                             |        |        |  |
| 110            | 130 | Wet Sand (Water) |        |                                  | 490  | 540 | Sandy Shale |                |        |      |     |                                  |        |        |  |
| 130            | 240 | Sand             |        |                                  | 540  | 600 | Sand        |                |        |      |     |                                  |        |        |  |
| 240            | 280 | Sandy Shale      |        |                                  | 600  | 620 | Sandy Shale |                |        |      |     |                                  |        |        |  |
| BIT NO.        |     |                  |        | NO. DC                           |      |     |             | NO. DC         |        |      |     | NO. DC                           |        |        |  |
| SERIAL NO.     |     |                  |        | SIZE                             |      |     |             | SIZE           |        |      |     | SIZE                             |        |        |  |
| SIZE           |     |                  |        | STANDS                           |      |     |             | STANDS         |        |      |     | STANDS                           |        |        |  |
| TYPE           |     |                  |        | DOWN ON KELLY                    |      |     |             | DOWN ON KELLY  |        |      |     | DOWN ON KELLY                    |        |        |  |
| MAKE           |     |                  |        | TOTAL DEPTH                      |      |     |             | MAKE           |        |      |     | TOTAL DEPTH                      |        |        |  |
| MUD RECORD     |     |                  |        | MUD, ADDITIVES USED AND RECEIVED |      |     |             | MUD RECORD     |        |      |     | MUD, ADDITIVES USED AND RECEIVED |        |        |  |
| Time           |     |                  |        | WT.                              |      |     |             | Time           |        |      |     | WT.                              |        |        |  |
| Vis.           |     |                  |        | Vis.                             |      |     |             | Vis.           |        |      |     | Vis.                             |        |        |  |
| FROM           |     |                  |        | TO                               |      |     |             | FROM           |        |      |     | TO                               |        |        |  |
| TIME BREAKDOWN |     |                  |        | TIME BREAKDOWN                   |      |     |             | TIME BREAKDOWN |        |      |     | TIME BREAKDOWN                   |        |        |  |
| REMARKS -      |     |                  |        | REMARKS -                        |      |     |             | REMARKS -      |        |      |     | REMARKS -                        |        |        |  |

SIGNED: Toolpusher

Paul H. M.

Company Supervisor

Static 0.84 600' East.

NE 22-30-6

891W - S.J. 30-6 #1029 w.o. 55208

| MW  | gas/mol |
|-----|---------|
| 15  | 6.4     |
| 30  | 9.56    |
| 44  | 10.42   |
| 58  | 12.38   |
| 72  | 14.35   |
| 86  | 16.31   |
| 100 | 18.27   |
| 114 | 20.23   |
| 128 | 22.19   |
| 142 | 24.15   |

| MW | MSC              | gas/mol |
|----|------------------|---------|
| 44 | CO <sub>2</sub>  | 6.38    |
| 72 | H <sub>2</sub> O | 5.17    |
| 28 | N <sub>2</sub>   | 4.15    |
| 2  | H <sub>2</sub>   | 3.38    |

|     |    |     |     |     |     |     |     |    |   |                                 |
|-----|----|-----|-----|-----|-----|-----|-----|----|---|---------------------------------|
| 1   | 10 | 5   |     | 90  | 1.1 |     | 70  | 3  |   | wet at 110' - Drill w air       |
|     |    | 5   |     |     | 1.1 |     |     | 2  |   | to 500 - after 3 hrs about      |
| 20  |    | 5   | 300 | 1.0 |     | 80  | 4   |    |   | 5' of water in hole altho       |
|     |    | 5   |     | 1.1 |     |     | 5   |    |   | log line was wet - Fill with    |
| 30  |    | 6   | 10  | 1.0 |     | 90  | 5   |    |   | water & log from 110            |
|     |    | 6   |     | 9   |     |     | 1.5 |    |   | 6-29-73                         |
| 40  |    | .8  | 20  | 9   |     | 500 | 1.4 |    |   | Wtr. Standing at 475 - overnite |
|     |    | 9   |     | 9   |     |     | 1.5 |    |   | Vent Perf. 530 - To #2 Anode    |
| 50  |    | .7  | 30  | 1.1 |     | 10  | 1.8 |    |   | Pump 90 Bags - out of wtr.      |
|     |    | 1.0 |     | 1.1 |     |     | 1.7 |    |   | All Anodes Covered              |
| 60  |    | 1.2 | 40  | 8   |     | 20  | 1.4 | 50 | 9 | Slurry 35 Bags -                |
|     |    | 1.3 |     | 7   |     |     | 1.8 |    | 9 |                                 |
| 70  |    | 1.3 | 50  | 8   |     | 30  | 1.9 | 60 | 8 |                                 |
|     |    | 1.3 |     | 9   |     |     | 1.5 |    | 8 |                                 |
| 80  |    | 1.3 | 60  | 1.1 |     | 40  | 4   | 70 | 8 | TD                              |
|     |    | 1.3 |     | 1.0 |     |     | 5   |    |   | Log wtr col                     |
| 90  |    | 1.1 | 70  | 1.0 |     | 50  | 5   | 80 |   | 1 6.33 1.0 1.2 1.8              |
|     |    | 1.0 |     | 1.0 |     |     | 5   |    |   | 2 6.24 1.1 1.5 2.2              |
| 200 |    | 1.1 | 80  | .8  |     | 60  | 7   |    |   | 3 6.15 1.4 1.5 2.2              |
|     |    | .8  |     | .7  |     |     | 7   |    |   | 4 6.06 1.6 1.6 2.4              |
| 10  |    | 1.1 | 90  | 6   |     | 70  | 6   |    |   | 5 5.95 1.1 1.3 1.8              |
|     |    | 1.0 |     | .7  |     |     | 6   |    |   | 6 5.35 1.5 2.1 3.2              |
| 20  |    | 9   | 40  | 7   |     | 80  | 8   |    |   | 7 5.25 1.8 1.7 2.8              |
|     |    | 1.0 |     | .6  |     |     | 9   |    |   | 8 5.15 1.7 2.0 3.0              |
| 30  |    | .8  | 10  | .8  |     | 90  | 1.1 |    |   | 9 5.05 1.5 1.6 2.5              |
|     |    | 1.0 |     | .8  |     |     | 1.1 |    |   | 10 4.95 1.4 1.4 2.4             |
| 40  |    | 9   | 20  | .8  |     | 60  | 1.5 |    |   | 1                               |
|     |    | 9   |     | 1.0 |     |     | 1.6 |    |   | 105 / 12.4 V 10.5 A = 1.16 Ω    |
| 50  |    | 9   | 30  | 1.1 |     | 10  | 1.4 |    |   | 105                             |
|     |    | .8  |     | 1.0 |     |     | 1.4 |    |   | 190                             |
| 60  |    | 9   | 40  | 1.2 |     | 20  | 1.2 |    |   | 125                             |
|     |    | .8  |     | 1.0 |     |     | 1.1 |    |   | 660                             |
| 70  |    | .8  | 50  | .8  |     | 30  | 1.0 |    |   |                                 |
|     |    | 9   |     | .8  |     |     | 9   |    |   |                                 |
| 80  |    | 9   | 60  | .6  |     | 40  | .8  |    |   |                                 |
|     |    | 1.0 |     | .4  |     |     | .8  |    |   |                                 |