

30-039-07896  
30-039-24177

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

Operator MERIDIAN OIL Location: Unit H Sec. 11 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #64, #419

cps 162w

Elevation 6749 Completion Date 4/28/88 Total Depth 520' 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. 220'

**RECEIVED**

MAY 31 1991.

Depths gas encountered: N/A

**OIL CON. DIV**  
**DIST. 3**

Type & amount of coke breeze used: N/A

Depths anodes placed: 470', 460', 445', 435', 420', 410', 375', 350', 340', 305'

Depths vent pipes placed: 515' OF 1" PVC VENT PIPE

Vent pipe perforations: 300'

Remarks: gb #4

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 CASED  
CATHODIC PROTECTION CONSTRUCTION REPORT  
DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 4/28/88

|                          |                                      |                              |                       |                                                                         |
|--------------------------|--------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------|
| CPS #                    | Well Name, Line or Plant             | Work Order #                 | State                 | Ins. Union Check                                                        |
| 162 W                    | S.J. 20-6 UNIT 419<br>S.J. 30-6 " 64 | 2653A<br>07103700<br>2069788 | 600' HE .95V          | <input type="checkbox"/> Good <input type="checkbox"/> Bad<br>COAL WELL |
| Location<br>H-11-30-7    | Anode Size:<br>2" x 60"              | Anode Type:<br>DUPON         | Size Bit:<br>6 3/4"   |                                                                         |
| Depth Drilled<br>520'    | Depth Logged<br>515'                 | Drilling Rig Time            | Total Lbs. Coke Used  | Lost Circulation Mat Used<br>No Sacks Mud Used                          |
| Anode Depth              |                                      |                              |                       |                                                                         |
| = 1 470'                 | = 2 460'                             | = 3 445'                     | = 4 435'              | = 5 420'                                                                |
| = 6 410'                 | = 7 375'                             | = 8 350'                     | = 9 340'              | = 10 305'                                                               |
| Anode Output (Amps)      |                                      |                              |                       |                                                                         |
| = 1 3.7                  | = 2 3.2                              | = 3 3.1                      | = 4 3.4               | = 5 3.6                                                                 |
| = 6 3.6                  | = 7 4.6                              | = 8 3.5                      | = 9 3.5               | = 10 3.6                                                                |
| 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 12.08              | Amps 20.9                            | Ohms .58                     | No. 3 C.P. Cable Used | No. 2 C.P. Cable Used                                                   |

Remarks: WATER AT 220', COULD NOT BLOW ENOUGH OUT FOR WATER SAMPLE. INSTALLED 515' OF 1" P.V.C. VENT PIPE, PERFORATED 300'.

6.B. 4074.00 ✓

|                         |          |
|-------------------------|----------|
| Rectifier Size: — V — A |          |
| Add'l Depth: 15'        | 105.00 ✓ |
| Depth Credit: —         |          |
| Extra Cable: 20'        | 4.80 ✓   |
| Ditch & 1 Cable: 460'   | 322.00 ✓ |

|                   |          |
|-------------------|----------|
| 25' Meter Pole: — |          |
| 20' Meter Pole: — |          |
| 10' Stup Pole: —  |          |
| Junction Box: 1   | 225.00 ✓ |

4730.80  
TAX 236.54  
\$ 4967.34

All Construction Completed

*JE Stoltz*  
(Signature)

DRAWING ON BACK

N

D. CRASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. SAN JUAN 30-6-419 Date 4-28-88  
Unit No. 64

Client \_\_\_\_\_ Prospect \_\_\_\_\_

County SAN JUAN State NEW MEXICO

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  | SOFT SANDSTONE               |
| 40   | 100 | SHALE                        |
| 100  | 115 | SAND                         |
| 115  | 160 | SHALE                        |
| 160  | 200 | SOFT SANDSTONE               |
| 200  | 240 | SAND                         |
| 240  | 250 | SHALE                        |
| 250  | 285 | SOFT SANDSTONE               |
| 285  | 520 | SANDY SHALE                  |
|      |     |                              |
|      |     |                              |

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

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

Remarks: Water at 220 Ft.

Driller RONNIE BROWN

Catholic Protection Services Co.  
1608 Schofield Ln.  
P.O. Box 36  
Farmington, NM 87499  
(505) 327-9215  
(505) 325-1946

Date 4/28/88 *AL*

Company Meridian Oil

Well No. 30-6 #419 Location H-11-30-7 Volts Applied 12.08 Amperes 20.9

|     |  |     |            |     |                |     |                  |
|-----|--|-----|------------|-----|----------------|-----|------------------|
| 5   |  | 230 |            | 455 | 1.5            | 680 |                  |
| 10  |  | 235 |            | 460 | 1.9 - (2)      | 685 |                  |
| 15  |  | 240 |            | 465 | 1.9            | 690 |                  |
| 20  |  | 245 |            | 470 | 2.0 - (1)      | 695 |                  |
| 25  |  | 250 |            | 475 | 1.7            | 700 |                  |
| 30  |  | 255 |            | 480 | 1.3            | 705 | 1-470 - 2.7-3.7  |
| 35  |  | 260 |            | 485 | 1.4            | 710 | 2-460 - 2.4-3.2  |
| 40  |  | 265 |            | 490 | 1.5            | 715 | 3-445 - 2.3-3.1  |
| 45  |  | 270 |            | 495 | 1.5            | 720 | 4-435 - 2.4-3.4  |
| 50  |  | 275 |            | 500 | 1.4            | 725 | 5-420 - 2.6-3.6  |
| 55  |  | 280 |            | 505 | 1.5            | 730 | 6-410 - 2.7-3.6  |
| 60  |  | 285 |            | 510 | <del>1.5</del> | 735 | 7-375 - 3.5-4.6  |
| 65  |  | 290 |            | 515 | - T.D.         | 740 | 8-350 - 2.9-3.5  |
| 70  |  | 295 |            | 520 | Drilled to     | 745 | 9-340 - 2.7-3.5  |
| 75  |  | 300 | 2.0        | 525 |                | 750 | 10-305 - 2.4-3.6 |
| 80  |  | 305 | 2.1 - (10) | 530 |                | 755 |                  |
| 85  |  | 310 | 1.4        | 535 |                | 760 |                  |
| 90  |  | 315 | 1.5        | 540 |                | 765 |                  |
| 95  |  | 320 | 1.7        | 545 |                | 770 |                  |
| 100 |  | 325 | 1.5        | 550 |                | 775 |                  |
| 105 |  | 330 | 1.7        | 555 |                | 780 |                  |
| 110 |  | 335 | 1.7        | 560 |                | 785 |                  |
| 115 |  | 340 | 2.0 - (9)  | 565 |                | 790 |                  |
| 120 |  | 345 | 1.7        | 670 |                | 795 |                  |
| 125 |  | 350 | 2.0 - (8)  | 575 |                | 800 |                  |
| 130 |  | 355 | 1.9        | 580 |                | 805 |                  |
| 135 |  | 360 | 1.9        | 585 |                | 810 |                  |
| 140 |  | 365 | 1.9        | 590 |                | 815 |                  |
| 145 |  | 370 | 1.8        | 595 |                | 820 |                  |
| 150 |  | 375 | 2.4 - (7)  | 600 |                | 825 |                  |
| 155 |  | 380 | 1.9        | 605 |                | 830 |                  |
| 160 |  | 385 | 1.6        | 610 |                | 835 |                  |
| 165 |  | 390 | 1.6        | 615 |                | 840 |                  |
| 170 |  | 395 | 1.7        | 620 |                | 845 |                  |
| 175 |  | 400 | 1.7        | 625 |                | 850 |                  |
| 180 |  | 405 | 1.5        | 630 |                | 855 |                  |
| 185 |  | 410 | 1.9 - (6)  | 635 |                | 860 |                  |
| 190 |  | 415 | 2.1        | 640 |                | 865 |                  |
| 195 |  | 420 | 2.0 - (5)  | 645 |                | 870 |                  |
| 200 |  | 425 | 1.6        | 650 |                | 875 |                  |
| 205 |  | 430 | 1.5        | 655 |                | 880 |                  |
| 210 |  | 435 | 1.7 - (4)  | 660 |                | 885 |                  |
| 215 |  | 440 | 1.8        | 665 |                | 890 |                  |
| 220 |  | 445 | 1.8 - (3)  | 670 |                | 895 |                  |
| 225 |  | 450 | 1.5        | 675 |                | 900 |                  |