

1134

#37 30-039-07019

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#131 30-039-20394

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. 20 Twp 27 Rng 5Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #37, #131  
cps 1748wElevation 6481' Completion Date 10/29/84 Total Depth 320' Land Type\* N/ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf Cement or Bentonite Plugs have been placed, show depths & amounts used  
N/ADepths & thickness of water zones with description of water when possible:  
Fresh, Clear, Salty, Sulphur, Etc. 70' & 130'Depths gas encountered: N/AType & amount of coke breeze used: 4000 lbs.Depths anodes placed: 290', 280', 270', 255', 245', 235', 225', 170', 160', 145'Depths vent pipes placed: 314'Vent pipe perforations: 200'Remarks: gb #1**RECEIVED**

MAY 8 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 LOGDrilling Log (Attach: Here to) ☐

Completion Date 10/29/84

|                          |                           |                         |                                  |                                                                       |
|--------------------------|---------------------------|-------------------------|----------------------------------|-----------------------------------------------------------------------|
| CPS #                    | Well Name, Line or Plant: | Work Order #            | Static:                          | Ins. Union Check                                                      |
| 1748W                    | S.J. 27-5 # 27            | 53568-19-50-20          | .74V                             | <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad |
|                          | S.J. 27-5 # 131           | 54809-19-50-20          | .72V                             |                                                                       |
| Location<br>NE 20-27-5   | Anode Size:<br>2" x 60"   | Anode Type:<br>DURATION | Size Bit:<br>6 3/4"              |                                                                       |
| Depth Drilled<br>320     | Depth Logged<br>314       | Drilling Rig Time       | Total Lbs. Gels Used<br>4000 LB. | Lost Circulation Mat'l Used                                           |
| No. Sacks Mud Used       |                           |                         |                                  |                                                                       |
| Anode Depth              | # 1 290                   | # 2 280                 | # 3 270                          | # 4 255                                                               |
|                          | # 5 245                   | # 6 235                 | # 7 225                          | # 8 170                                                               |
|                          | # 9 160                   | # 10 145                |                                  |                                                                       |
| Anode Output (Amps)      | # 1 4.1                   | # 2 4.0                 | # 3 3.4                          | # 4 3.2                                                               |
|                          | # 5 4.4                   | # 6 4.1                 | # 7 3.7                          | # 8 3.3                                                               |
|                          | # 9 3.5                   | # 10 2.3                |                                  |                                                                       |
| 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 12.0               | Amps 18.8                 | Ohms .63                |                                  |                                                                       |

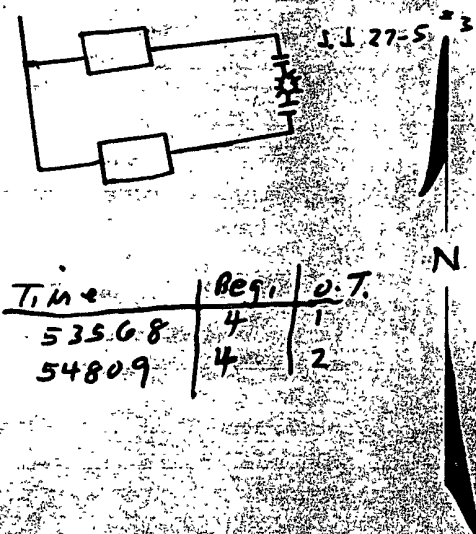
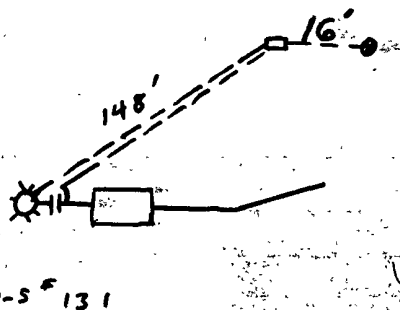
Remarks: Drilled Thru A Trace of WATER AT 20'. Drilled Thru A good WATER ZONE AT 130', APPROX 2-4 gals./min. Took WATER sample. Drilled to 320', Logged 314'. INSTALLED 314' of 1" P.V.C. VENT Pipe, Perforated 200'.

Rectifier Size: 60 V 30 A ✓  
 Addn'l Depth: \_\_\_\_\_ ✓  
 Depth Credit: 186' ✓  
 Extra Cable: 168' ✓  
 Ditch & 1 Cable: 164' ✓  
 25' Meter Pole: 1 ✓  
 20' Meter Pole: - ✓  
 10' Stub Pole: - ✓

All Construction Completed

GROUND BED LAYOUT SKETCH

*[Signature]*  
 (Signature)



| Time   | Reg. | O.T. |
|--------|------|------|
| 535.68 | 4    | 1    |
| 5480.9 | 4    | 2    |

## CONSTRUCTION LOGGING READINGS

S.J. 27-5 " 37

CPS #: 1748W WELL NAME: S.J. 27-5 " 131

LOCATION: ME 20-27-5 DATE: 10/29/84

TOTAL VOLTS: 12.0 TOTAL AMPS: 18.8

OHMS RESISTANCE: .63

|      |          |       |      |          |       |      |     |       |      |     |       | ANODE READINGS |       |          |           |
|------|----------|-------|------|----------|-------|------|-----|-------|------|-----|-------|----------------|-------|----------|-----------|
| DEEP | LOG      | ANODE | DEEP | LOG      | ANODE | DEEP | LOG | ANODE | DEEP | LOG | ANODE | NO.            | DEPTH | NO. COKE | WITH COKE |
| 5    |          |       | 185  | 1.0      |       | 365  |     |       | 545  |     |       | 1              | 290   | 2.3      | 4.1       |
| 10   |          |       | 190  | .6       |       | 370  |     |       | 550  |     |       | 2              | 280   | 2.4      | 4.0       |
| 15   |          |       | 195  | .7       |       | 375  |     |       | 555  |     |       | 3              | 270   | 1.9      | 3.4       |
| 20   |          |       | 200  | .7       |       | 380  |     |       | 560  |     |       | 4              | 255   | 1.9      | 3.2       |
| 25   |          |       | 205  | .5       |       | 385  |     |       | 565  |     |       | 5              | 245   | 2.4      | 4.4       |
| 30   |          |       | 210  | .7       |       | 390  |     |       | 570  |     |       | 6              | 235   | 2.5      | 4.1       |
| 35   |          |       | 215  | 1.4      |       | 395  |     |       | 575  |     |       | 7              | 225   | 2.1      | 3.7       |
| 40   |          |       | 220  | 1.8      |       | 400  |     |       | 580  |     |       | 8              | 170   | 2.1      | 3.3       |
| 45   |          |       | 225  | 2.0 - 7  |       | 405  |     |       | 585  |     |       | 9              | 160   | 2.2      | 3.5       |
| 50   |          |       | 230  | 1.9      |       | 410  |     |       | 590  |     |       | 10             | 145   | 2.1      | 3.3       |
| 55   |          |       | 235  | 2.2 - 6  |       | 415  |     |       | 595  |     |       |                |       |          |           |
| 60   |          |       | 240  | 2.0      |       | 420  |     |       | 600  |     |       |                |       |          |           |
| 65   |          |       | 245  | 2.2 - 5  |       | 425  |     |       | 605  |     |       |                |       |          |           |
| 70   |          |       | 250  | 2.2      |       | 430  |     |       | 610  |     |       |                |       |          |           |
| 75   |          |       | 255  | 1.9 - 4  |       | 435  |     |       | 615  |     |       |                |       |          |           |
| 80   |          |       | 260  | 1.6      |       | 440  |     |       | 620  |     |       |                |       |          |           |
| 85   |          |       | 265  | 1.8      |       | 445  |     |       | 625  |     |       |                |       |          |           |
| 90   |          |       | 270  | 1.8 - 3  |       | 450  |     |       | 630  |     |       |                |       |          |           |
| 95   |          |       | 275  | 1.8      |       | 455  |     |       | 635  |     |       |                |       |          |           |
| 100  |          |       | 280  | 2.1 - 2  |       | 460  |     |       | 640  |     |       |                |       |          |           |
| 105  |          |       | 285  | 2.2      |       | 465  |     |       | 645  |     |       |                |       |          |           |
| 110  |          |       | 290  | 2.0 - 1  |       | 470  |     |       | 650  |     |       |                |       |          |           |
| 115  |          |       | 295  | 1.3      |       | 475  |     |       | 655  |     |       |                |       |          |           |
| 120  |          |       | 300  | .5       |       | 480  |     |       | 660  |     |       |                |       |          |           |
| 125  |          |       | 305  | .4       |       | 485  |     |       | 665  |     |       |                |       |          |           |
| 130  |          |       | 310  | 314 T.D. |       | 490  |     |       | 670  |     |       |                |       |          |           |
| 135  |          |       | 315  |          |       | 495  |     |       | 675  |     |       |                |       |          |           |
| 140  | 1.6      |       | 320  |          |       | 500  |     |       | 680  |     |       |                |       |          |           |
| 145  | 1.9 - 10 |       | 325  |          |       | 505  |     |       | 685  |     |       |                |       |          |           |
| 150  | 1.6      |       | 330  |          |       | 510  |     |       | 690  |     |       |                |       |          |           |
| 155  | 1.3      |       | 335  |          |       | 515  |     |       | 695  |     |       |                |       |          |           |
| 160  | 1.7 - 9  |       | 340  |          |       | 520  |     |       | 700  |     |       |                |       |          |           |
| 165  | 2.3      |       | 345  |          |       | 525  |     |       | 705  |     |       |                |       |          |           |
| 170  | 2.0 - 8  |       | 350  |          |       | 530  |     |       | 710  |     |       |                |       |          |           |
| 175  | 1.5      |       | 355  |          |       | 535  |     |       | 715  |     |       |                |       |          |           |
| 180  | 1.6      |       | 360  |          |       | 540  |     |       | 720  |     |       |                |       |          |           |

REMARKS: HIT A Trace of WATER AT 20'. Drilled Thru A good WATER ZONE AT 120'. Approx. 2-4 gal./min. To OK WATER SAMPLE. Drilled To 320', Logged 314'. INSTALLED 314' of 1" R.V.C. VENT PIPE Perforated 200'.

## 1987

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Company Supervisor