

30.039.07887  
30.039-24232

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. 7 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #32, #451

cps 164w

Elevation 6298' Completion Date 9/12/72 Total Depth 480' 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'

**RECEIVED**

MAY 31 1991

Depths gas encountered: N/A

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

Type & amount of coke breeze used: 420 SHOVELS

Depths anodes placed: 425', 350', 325', 275', 210', 200', 170', 160', 135', 110'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: qb #2 DO NOT BELIEVE COKE AROUND ANODE #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

G. Bed #2

Drilling Log (Attach Hereto) ☐

Completion Date 9-12-72

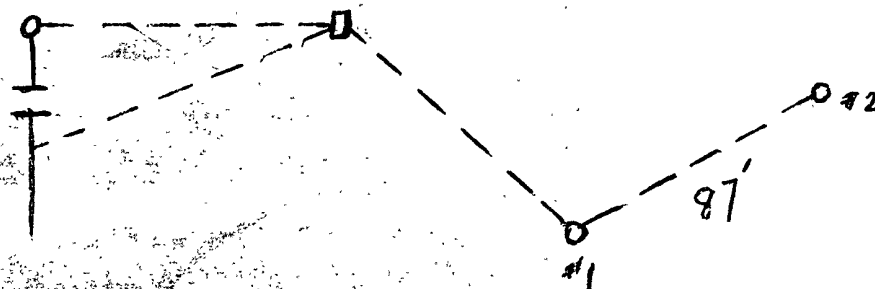
|                             |                         |                                   |                             |                  |                       |
|-----------------------------|-------------------------|-----------------------------------|-----------------------------|------------------|-----------------------|
| Well Name<br>S. J. 30-6 #32 |                         | Location<br>NE 7-30-6             |                             | CPS No.<br>164 W |                       |
| Type & Size Bit Used        |                         | Work Order No.<br>184-53769-50-20 |                             |                  |                       |
| Anode Hole Depth<br>480     | Total Drilling Rig Time | Total Lbs. Coke Used              | Lost Circulation Mat'l Used |                  | No. Sacks Mud Used    |
| Anode Depth                 |                         |                                   |                             |                  |                       |
| #1 425                      | #2 350                  | #3 325                            | #4 275                      | #5 210           | #6 200                |
| #7 170                      | #8 160                  | #9 135                            | #10 110                     |                  |                       |
| Anode Output (Amps)         |                         |                                   |                             |                  |                       |
| #1 1.8                      | #2 2.7                  | #3 1.2                            | #4 2.3                      | #5 3.7           | #6 3.4                |
| #7 3.1                      | #8 2.9                  | #9 1.9                            | #10 2.4                     |                  |                       |
| Anode Depth                 |                         |                                   |                             |                  |                       |
| #11                         | #12                     | #13                               | #14                         | #15              | #16                   |
| Anode Output (Amps)         |                         |                                   |                             |                  |                       |
| #11                         | #12                     | #13                               | #14                         | #15              | #16                   |
| Total Circuit Resistance    |                         |                                   | No. 8 C.P. Cable Used       |                  | No. 2 C.P. Cable Used |
| Volts 12.0                  | Amps 13.6               | Ohms 0.88                         |                             |                  |                       |

Remarks: Driller said water at 100' - water standing @ 300' 9/12  
Drilled to 420' @ AIR - Drilled 480' @ mud - Vent hose  
perforated 300'  
Pumped 400 shovels coke - Slurried 20 shovels  
ANODES 2 & 3 Slow in responding - Do not believe  
coke AROUND Anode #3

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

*E.P.S. # 164-W*

LEASE *S. 30-6*

WELL NO. *164-W*

CONTRACTOR *Mmm*

RIG NO.

REPORT NO.

DATE *9-13*

1972

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              | 100 | Arg. Sand             |        |                                  | 240  | 260 | S. shale  |                |        |      |    |                                  |        |        |  |
| 100            | 110 | Wt. S. shale (W. sh.) |        |                                  | 260  | 300 | S. shale  |                |        |      |    |                                  |        |        |  |
| 110            | 200 | S. shale              |        |                                  | 300  | 340 | S. shale  |                |        |      |    |                                  |        |        |  |
| 200            | 240 | S. shale              |        |                                  | 340  | 480 | S. shale  |                |        |      |    |                                  |        |        |  |
| BIT NO.        |     |                       |        | NO. DC                           |      |     |           | NO. DC         |        |      |    | NO. DC                           |        |        |  |
| SER. NO.       |     |                       |        | STANDS                           |      |     |           | STANDS         |        |      |    | STANDS                           |        |        |  |
| SIZE           |     |                       |        | SINGLES                          |      |     |           | SINGLES        |        |      |    | SINGLES                          |        |        |  |
| 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           |     |                       |        | Time                             |      |     |           | Time           |        |      |    | Time                             |        |        |  |
| WT.            |     |                       |        | V.S.                             |      |     |           | WT.            |        |      |    | V.S.                             |        |        |  |
| FROM           |     |                       |        | TO                               |      |     |           | FROM           |        |      |    | TO                               |        |        |  |
| TIME BREAKDOWN |     |                       |        | TIME BREAKDOWN                   |      |     |           | TIME BREAKDOWN |        |      |    | TIME BREAKDOWN                   |        |        |  |
| REMARKS -      |     |                       |        | REMARKS -                        |      |     |           | REMARKS -      |        |      |    | REMARKS -                        |        |        |  |

SIGNED: Toolpusher

*But Mmm*

Company Supervisor

CPS - 164-W  
9/13/72

| MW  |                 | gals/mol |
|-----|-----------------|----------|
| 16  | C <sub>1</sub>  | 6.4      |
| 30  | C <sub>2</sub>  | 9.56     |
| 44  | C <sub>3</sub>  | 10.42    |
| 58  | IC <sub>4</sub> | 12.38    |
| 72  | NC <sub>4</sub> | 11.93    |
| 86  | IC <sub>5</sub> | 13.85    |
| 100 | NC <sub>5</sub> | 13.71    |
| 114 | IC <sub>6</sub> | 15.50    |
| 128 | C <sub>6</sub>  | 15.57    |
| 142 | IC <sub>7</sub> | 17.2     |
| 156 | C <sub>7</sub>  | 17.46    |
| 170 | C <sub>8</sub>  | 19.38    |
| 184 | C <sub>9</sub>  | 9.64     |
| 198 | C <sub>10</sub> | 9.67     |

| MISC |                  |          |
|------|------------------|----------|
| MW   |                  | gals/mol |
| 44   | CO <sub>2</sub>  | 6.38     |
| 34   | H <sub>2</sub> S | 5.17     |
| 28   | N <sub>2</sub>   | 4.16     |
| 2    | H <sub>2</sub>   | 3.18     |

| Depth | logged | water | coke |
|-------|--------|-------|------|
| 425   | 1.4    | 0.8   | 1.80 |
| 350   | 1.9    | 1.6   | 2.65 |
| 325   | 1.6    | 1.3   | 1.20 |
| 275   | 1.7    | 1.5   | 2.30 |
| 210   | 2.4    | 2.1   | 3.70 |
| 200   | 2.2    | 1.9   | 3.40 |
| 170   | 1.8    | 1.6   | 3.10 |
| 160   | 2.0    | 1.6   | 2.90 |
| 135   | 1.4    | 0     | 1.90 |
| 110   | 1.8    | 0     | 2.40 |

Driller said  
water @ 100'  
standing @ 300'  
9/12/72

logged @ 420'

100 - 0.3  
105 - 0.4  
10 - 1.0  
15 - 1.0  
20 - 0.4  
25 - 0.3  
30 - 0.3  
35 - 0.8  
40 - 0.9  
45 - 0.5  
50 - 0.5  
55 - 0.5  
60 - 1.2  
65 - 1.4  
70 - 1.3  
75 - 1.4  
80 - 0.9  
85 - 0.8  
90 - 0.5  
95 - 0.8  
200 - 1.4  
205 - 1.6  
10 - 1.6  
15 - 1.4  
20 - 0.5  
25 - 0.1  
30 - 0.2  
35 - 0.3  
40 - 0.3  
45 - 0.2  
50 - 0.2  
55 - 0.4  
60 - 0.4  
65 - 0.4  
70 - 0.5  
75 - 1.3  
80 - 1.4  
85 - 0.9  
90 - 0.6  
95 - 0.5  
300 - 0.2

9/13/72

logged @ 480'

105 - 0.8  
1.8  
1.6  
0.5  
125 - 0.5  
0.5  
1.4  
1.2  
0.9  
150 - 0.7  
0.9  
2.0  
1.9  
1.8  
175 - 1.9  
1.0  
1.0  
0.9  
1.0  
200 - 2.2  
2.5  
2.4  
1.9  
0.6  
225 - 0.3  
0.4  
0.5  
0.5  
0.4  
250 - 0.5  
0.6  
0.4  
0.6  
0.6  
0.8  
275 - 1.7  
1.4  
1.0  
0.8  
0.7  
300 0.5

9/12/72

@ 420

305 - 0.3  
10 - 0.3  
15 - 0.5  
20 - 1.2  
25 - 1.6  
30 - 1.4  
35 - 0.6  
40 - 1.0  
45 - 1.5  
50 - 2.0  
55 - 1.7  
60 - 0.7  
65 - 0.7  
70 - 0.8  
75 - 0.7  
80 - 0.7  
85 - 0.8  
90 - 0.8  
95 - 0.9  
400 - 0.9  
405 - 0.9  
10 - 0.9  
15 - 0.8

9/13/72

@ 480

305 0.5  
0.5  
0.6  
1.0  
325 - 1.6  
1.0  
0.6  
1.1  
1.5  
350 - 1.9  
1.3  
0.6  
0.6  
0.7  
375 - 0.5  
0.7  
0.7  
0.7  
0.7  
400 - 0.7  
0.8  
0.8  
0.8  
0.9  
425 - 1.4  
430 - 1.2  
35 - 0.6  
40 - 0.5  
45 - 0.3  
450 - 0.6  
55 - 0.9  
60 - 0.6  
65 - 0.7  
70 - 0.8  
75 - —  
480 —

REBAUCE BELOW

2nd DIVISION SECTION