

# DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

3286

30-045-26194

Operator E P F S Location: Unit M Sec. 36 Twp 28 Rng 13

Name of Well/Wells or Pipeline Serviced Gallegos Canyon Unit 137E

Elevation \_\_\_\_\_ Completion Date 11-12-97 Total Depth \_\_\_\_\_ Land Type \* F 077967

Casing, Sizes, Types & Depths 8 5/8 - P.V.C. 20'

If Casing is cemented, show amounts & types used 35X ZIA Type 1 & 2

If Cement or Bentonite Plugs have been placed, show depths & amounts used \_\_\_\_\_

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 170 - 180 - wet.

RECEIVED  
MAR - 2 1998

Depths gas encountered: —

OIL CON. DIV.  
DIST. 3

Type & amount of coke breeze used: 4100 lbs. Loresco gas.

Depths anodes placed: 205 - 370

Depths vent pipes placed: 370

Vent pipe perforations: 180

Remarks: \_\_\_\_\_

C.H. Lane

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.

THE LOFTIS COMPANY

DEEP WELL GROUND BED DATA

DATE: November 11, 1997

COMPANY: EPFS/Amoco

COUNTY: San Juan STATE: Texas

CONTRACT NO: A96-24

UNIT NO: CPS 95532 WO 3475

LOCATION: G.C.U. #137E

GROUND BED: DEPTH / FT: 400'

DIA / INCH: 7 7/8"

ANODES: (15) 2 x 60 SHA-2

CASING: DEPTH / FT: 20'

SIZE: 8"

| DEPTH<br>IN FEET | DRILLERS LOG   | RESISTIVITY |      | ANODE<br>NUMBER | DEPTH TO<br>ANODE TOP | BEFORE<br>COKE | AFTER<br>COKE |
|------------------|----------------|-------------|------|-----------------|-----------------------|----------------|---------------|
|                  |                | OHMS        | AMPS |                 |                       |                |               |
| 5                | Casing         |             |      |                 |                       |                |               |
| 10               |                |             |      |                 |                       |                |               |
| 15               |                |             |      |                 |                       |                |               |
| 20               |                |             |      |                 |                       |                |               |
| 25               | Sandstone      |             |      |                 |                       |                |               |
| 30               |                |             |      |                 |                       |                |               |
| 35               |                |             |      |                 |                       |                |               |
| 40               |                |             |      |                 |                       |                |               |
| 45               |                |             |      |                 |                       |                |               |
| 50               |                |             |      |                 |                       |                |               |
| 55               |                |             |      |                 |                       |                |               |
| 60               |                |             |      |                 |                       |                |               |
| 65               |                |             |      |                 |                       |                |               |
| 70               |                |             |      |                 |                       |                |               |
| 75               | Shale          |             |      |                 |                       |                |               |
| 80               |                |             |      |                 |                       |                |               |
| 85               |                |             |      |                 |                       |                |               |
| 90               |                |             |      |                 |                       |                |               |
| 95               |                |             |      |                 |                       |                |               |
| 100              |                |             |      |                 |                       |                |               |
| 105              | Gray Sandstone |             |      |                 |                       |                |               |
| 110              |                |             |      |                 |                       |                |               |
| 115              |                |             |      |                 |                       |                |               |
| 120              |                |             |      |                 |                       |                |               |
| 125              |                |             |      |                 |                       |                |               |
| 130              |                |             |      |                 |                       |                |               |
| 135              |                |             |      |                 |                       |                |               |
| 140              |                |             |      |                 |                       |                |               |
| 145              |                |             |      |                 |                       |                |               |
| 150              |                |             | 0.2  |                 |                       |                |               |
| 155              |                |             | 0.3  |                 |                       |                |               |
| 160              |                |             | 0.2  |                 |                       |                |               |
| 165              |                |             | 0.2  |                 |                       |                |               |
| 170              | (Wet)          |             | 0.2  |                 |                       |                |               |
| 175              |                |             | 0.2  |                 |                       |                |               |
| 180              |                |             | 0.3  |                 |                       |                |               |
| 185              |                |             | 0.3  |                 |                       |                |               |
| 190              |                |             | 0.5  |                 |                       |                |               |
| 195              |                |             | 0.9  |                 |                       |                |               |
| 200              |                |             | 1.4  |                 |                       |                |               |
| 205              | Sandy Shale    |             | 2.0  | 15              | 205                   | 1.9            | 8.8           |
| 210              | Sandy Shale    |             | 2.0  |                 |                       |                |               |

JOB # TDM1350

THE LOFTIS COMPANY

| DEPTH<br>IN FEET | DRILLERS LOG | RESISTIVITY |      | ANODE<br>NUMBER | DEPTH TO<br>ANODE TOP | BEFORE<br>COKE | AFTER<br>COKE |
|------------------|--------------|-------------|------|-----------------|-----------------------|----------------|---------------|
|                  |              | OHMS        | AMPS |                 |                       |                |               |
| 215              | Sandy Shale  |             | 1.7  | 14              | 215                   | 2.0            | 8.6           |
| 220              |              |             | 1.9  |                 |                       |                |               |
| 225              |              |             | 1.8  | 13              | 225                   | 2.1            | 6.5           |
| 230              |              |             | 1.7  |                 |                       |                |               |
| 235              |              |             | 1.9  | 12              | 235                   | 1.8            | 6.1           |
| 240              |              |             | 1.8  |                 |                       |                |               |
| 245              |              |             | 1.9  | 11              | 245                   | 2.1            | 6.8           |
| 250              |              |             | 1.9  |                 |                       |                |               |
| 255              |              |             | 1.8  | 10              | 255                   | 2.0            | 7.3           |
| 260              |              |             | 1.9  |                 |                       |                |               |
| 265              |              |             | 1.6  | 9               | 265                   | 2.0            | 6.6           |
| 270              |              |             | 2.0  |                 |                       |                |               |
| 275              |              |             | 1.9  | 8               | 275                   | 1.9            | 6.5           |
| 280              |              |             | 2.1  |                 |                       |                |               |
| 285              |              |             | 1.9  | 7               | 285                   | 1.9            | 6.3           |
| 290              |              |             | 2.1  |                 |                       |                |               |
| 295              |              |             | 1.9  | 6               | 295                   | 2.0            | 5.9           |
| 300              |              |             | 1.9  |                 |                       |                |               |
| 305              |              |             | 1.7  | 5               | 305                   | 2.0            | 6.2           |
| 310              |              |             | 2.2  |                 |                       |                |               |
| 315              |              |             | 1.9  | 4               | 315                   | 2.0            | 5.9           |
| 320              |              |             | 1.4  |                 |                       |                |               |
| 325              |              |             | 1.0  |                 |                       |                |               |
| 330              |              |             | 1.0  |                 |                       |                |               |
| 335              |              |             | 1.2  |                 |                       |                |               |
| 340              |              |             | 1.4  |                 |                       |                |               |
| 345              |              |             | 1.5  |                 |                       |                |               |
| 350              |              |             | 1.6  | 3               | 350                   | 1.6            | 4.6           |
| 355              |              |             | 1.6  |                 |                       |                |               |
| 360              |              |             | 1.7  | 2               | 360                   | 1.8            | 5.9           |
| 365              |              |             | 1.7  |                 |                       |                |               |
| 370              |              |             | 1.8  | 1               | 370                   | 1.8            | 5.1           |
| 375              |              |             | 1.6  |                 |                       |                |               |
| 380              |              |             | 1.4  |                 |                       |                |               |
| 385              |              |             | 1.5  |                 |                       |                |               |
| 390              |              |             |      |                 |                       |                |               |
| 395              |              |             |      |                 |                       |                |               |
| 400              | Shale        |             |      |                 |                       |                |               |

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