

# DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS

NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

3283

30-045-24958

Operator EPNG Location: Unit P Sec. 35 Twp 29 Rng 13

Name of Well/Wells or Pipeline Served Gallegos Canyon unit 86E

Elevation \_\_\_\_\_ Completion Date 11-10-97 Total Depth 420 Land Type \*F 078926

Casing, Sizes, Types & Depths 8 5/8 - 20'

If Casing is cemented, show amounts & types used 35x. ZIA Type 1 E2

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. Damp @ 270-280

RECEIVED  
MAR - 2 1998

OIL CON. DIV.  
DIST. 3

Depths gas encountered: \_\_\_\_\_

Type & amount of coke breeze used: Horosco SW - 2700 lbs.

Depths anodes placed: 300 - 395

Depths vent pipes placed: 395

Vent pipe perforations: 140

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

OH Jones

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 10, 1997

COMPANY: EPFS/Amoco

COUNTY: San Juan STATE: New Mexico

CONTRACT NO: A96-24

UNIT NO: CPS 94234 WO 3470

LOCATION: G.C.U. #86E

GROUND BED: DEPTH / FT: 420'

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               | Sand           |             |      |                 |                       |                |               |
| 25               |                |             |      |                 |                       |                |               |
| 30               |                |             |      |                 |                       |                |               |
| 35               |                |             |      |                 |                       |                |               |
| 40               |                |             |      |                 |                       |                |               |
| 45               |                |             |      |                 |                       |                |               |
| 50               |                |             |      |                 |                       |                |               |
| 55               |                |             |      |                 |                       |                |               |
| 60               |                |             |      |                 |                       |                |               |
| 65               |                |             |      |                 |                       |                |               |
| 70               |                |             |      |                 |                       |                |               |
| 75               | Gray Shale     |             |      |                 |                       |                |               |
| 80               |                |             |      |                 |                       |                |               |
| 85               |                |             |      |                 |                       |                |               |
| 90               |                |             |      |                 |                       |                |               |
| 95               | Gray Sandstone |             |      |                 |                       |                |               |
| 100              |                |             |      |                 |                       |                |               |
| 105              |                |             |      |                 |                       |                |               |
| 110              |                |             |      |                 |                       |                |               |
| 115              |                |             |      |                 |                       |                |               |
| 120              |                |             |      |                 |                       |                |               |
| 125              |                |             |      |                 |                       |                |               |
| 130              |                |             |      |                 |                       |                |               |
| 135              |                |             |      |                 |                       |                |               |
| 140              |                |             |      |                 |                       |                |               |
| 145              |                |             |      |                 |                       |                |               |
| 150              |                |             |      |                 |                       |                |               |
| 155              |                |             |      |                 |                       |                |               |
| 160              |                |             | 0.5  |                 |                       |                |               |
| 165              |                |             | 0.4  |                 |                       |                |               |
| 170              | (Wet)          |             | 0.4  |                 |                       |                |               |
| 175              |                |             | 0.3  |                 |                       |                |               |
| 180              |                |             | 0.3  |                 |                       |                |               |
| 185              |                |             | 0.3  |                 |                       |                |               |
| 190              |                |             | 0.2  |                 |                       |                |               |
| 195              |                |             | 0.2  |                 |                       |                |               |
| 200              |                |             | 0.3  |                 |                       |                |               |
| 205              |                |             | 0.3  |                 |                       |                |               |
| 210              | Gray Sandstone |             | 0.3  |                 |                       |                |               |

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              | Gray Sandstone |             | 0.2  |                 |                       |                |               |
| 220              |                |             | 0.1  |                 |                       |                |               |
| 225              |                |             | 0.2  |                 |                       |                |               |
| 230              |                |             | 0.3  |                 |                       |                |               |
| 235              |                |             | 0.3  |                 |                       |                |               |
| 240              |                |             | 0.3  |                 |                       |                |               |
| 245              |                |             | 0.3  |                 |                       |                |               |
| 250              |                |             | 0.3  |                 |                       |                |               |
| 255              |                |             | 0.5  |                 |                       |                |               |
| 260              |                |             | 1.4  |                 |                       |                |               |
| 265              |                |             | 1.8  |                 |                       |                |               |
| 270              |                |             | 1.8  |                 |                       |                |               |
| 275              |                |             | 1.7  |                 |                       |                |               |
| 280              |                |             | 1.6  |                 |                       |                |               |
| 285              | Shale          |             | 0.9  |                 |                       |                |               |
| 290              |                |             | 0.7  |                 |                       |                |               |
| 295              |                |             | 1.2  |                 |                       |                |               |
| 300              |                |             | 1.9  | 15              | 300                   | 1.8            | 6.2           |
| 305              |                |             | 1.7  |                 |                       |                |               |
| 310              |                |             | 1.9  | 14              | 309                   | 1.7            | 6.7           |
| 315              |                |             | 1.9  | 13              | 317                   | 1.8            | 6.6           |
| 320              |                |             | 1.9  |                 |                       |                |               |
| 325              |                |             | 1.9  | 12              | 325                   | 1.9            | 6.6           |
| 330              |                |             | 2.2  |                 |                       |                |               |
| 335              |                |             | 2.2  | 11              | 333                   | 1.9            | 7.1           |
| 340              |                |             | 2.2  | 10              | 341                   | 2.0            | 7.2           |
| 345              |                |             | 2.1  | 9               | 347                   | 2.0            | 7.0           |
| 350              |                |             | 2.0  |                 |                       |                |               |
| 355              |                |             | 1.9  | 8               | 353                   | 1.9            | 6.9           |
| 360              |                |             | 2.0  | 7               | 359                   | 1.7            | 6.8           |
| 365              |                |             | 2.3  | 6               | 365                   | 1.9            | 7.0           |
| 370              |                |             | 2.1  | 5               | 371                   | 2.0            | 7.3           |
| 375              |                |             | 1.9  |                 |                       |                |               |
| 380              |                |             | 2.0  | 4               | 379                   | 1.9            | 7.2           |
| 385              |                |             | 1.8  | 3               | 383                   | 1.7            | 7.5           |
| 390              |                |             | 1.8  | 2               | 389                   | 1.8            | 6.5           |
| 395              |                |             | 1.8  | 1               | 395                   | 1.8            | 5.0           |
| 400              |                |             | 1.7  |                 |                       |                |               |
| 405              |                |             | 2.0  |                 |                       |                |               |
| 410              |                |             |      |                 |                       |                |               |
| 415              |                |             |      |                 |                       |                |               |
| 420              | Shale          |             |      |                 |                       |                |               |
|                  |                |             |      |                 |                       |                |               |

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