

124 - 30-039-06821

76 - 30-039-06820

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO

(Submit 3 copies to OCD Aztec Office)

291 - 30-039-24745

Operator UNOCAL Location: Unit        Sec. 34 Twp 27 Rng 7

Name of Well/Wells or Pipeline Serviced RINCON UNIT NO. 124, 76, & 291

Elevation 6692 Completion Date 8-9-90 Total Depth 300' Land Type\* F

Casing, Sizes, Types & Depths NONE

If Casing is cemented, show amounts & types used NONE

NONE

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. 100' damp, 5' thick, fresh

Depths gas encountered: NONE

Type & amount of coke breeze used: 300' deep with carbo 60=99.9% carbon, 2000 lbs.

Depths anodes placed: 160', 170', 180', 190', 200', 210'

Depths vent pipes placed: From 0'-300' deep

Vent pipe perforations: From 100' to 300' deep - all vent

Remarks: Laser cut slots

1st ground bed installed at this location.

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.

RECEIVED

JAN 30 1991

OIL CON. DIV  
DIST. 3

COMPANY Unocal JOB No. 751-00084 DATE: 8-9-90  
 WELL: Rincon Unit No 124 + No. 76 PIPELINE:  
 LOCATION: SEC 34 TWP 27 RGE. 7 CO. Rio Arriba STATE NM  
 ELEV. 6692' 6 FT: ROTARY 300 FT: CABLE TOOL \_\_\_\_\_ FT: CASING \_\_\_\_\_ FT.  
 GROUND BED: DEPTH 300' FT. DIA. 6" IN. GAS 2000 LBS. ANODES 6 Lida ST 1/6 / 50

| DEPTH.<br>FT. | DRILLER'S LOG                                   | EXPLORING ANODE<br>TO STRUCTURE | NO<br>COKE | WITH<br>COKE | ANODE<br>NO. | DEPTH.<br>TOP OF<br>ANODES |
|---------------|-------------------------------------------------|---------------------------------|------------|--------------|--------------|----------------------------|
| 0             | 20' Brown Sand & Clay, 20'-60' Brown Shale/clay |                                 |            |              |              |                            |
| 60            | First Water 100' Damp                           |                                 |            |              |              |                            |
| 100           | ALL V. P. Pipe                                  | 4.0                             |            |              |              |                            |
| 115           | Grey shale w/ some sandstone                    | 3.9                             |            |              |              |                            |
| 110           | Red t brown shale                               | 4.1                             |            |              |              |                            |
| 15            |                                                 | 4.0                             |            |              |              |                            |
| 20            |                                                 | 3.9                             |            |              |              |                            |
| 25            |                                                 | 3.8                             |            |              |              |                            |
| 130           |                                                 | 3.7                             |            |              |              |                            |
| 135           |                                                 | 3.8                             |            |              |              |                            |
| 140           | Grey sandstone w/ some shale                    | 3.5                             |            |              |              |                            |
| 45            |                                                 | 3.9                             |            |              |              |                            |
| 30            |                                                 | 3.9                             |            |              |              |                            |
| 55            |                                                 | 4.0                             |            |              |              |                            |
| 160           |                                                 | 4.1                             |            |              | 6            | 160                        |
| 65            |                                                 | 4.2                             |            |              |              |                            |
| 170           |                                                 | 4.4                             |            |              | 5            | 170                        |
| 75            |                                                 | 4.2                             |            |              |              |                            |
| 180           | Grey shale & sandstone                          | 4.2                             |            |              | 4            | 180                        |
| 85            |                                                 | 4.0                             |            |              |              |                            |
| 190           |                                                 | 3.7                             |            |              | 3            | 190                        |
| 95            |                                                 | 3.9                             |            | 8.5          |              |                            |
| 200           |                                                 | 3.9                             |            |              | 2            | 200                        |
| 5             |                                                 | 4.1                             |            |              |              |                            |
| 210           |                                                 | 4.5                             |            |              | 1            | 210                        |
| 15            |                                                 | 3.9                             |            |              |              |                            |
| 20            |                                                 | 3.4                             |            |              |              |                            |
| 25            |                                                 | 2.8                             |            |              |              |                            |
| 30            |                                                 | 2.8                             |            |              |              |                            |
| 35            |                                                 | 2.0                             |            |              |              |                            |
| 240           |                                                 | 2.2                             |            |              |              |                            |
| 45            | Grey sandstone                                  | 1.6                             |            |              |              |                            |
| 50            |                                                 | 2.0                             |            |              |              |                            |
| 55            |                                                 | 1.5                             |            |              |              |                            |
| 60            |                                                 | 1.6                             |            |              |              |                            |
| 65            |                                                 | 1.3                             |            |              |              |                            |
| 70            |                                                 | 1.2                             |            |              |              |                            |
| 75            |                                                 | 1.2                             |            |              |              |                            |
| 280           | Grey sandstone w/ hard black streaks            | 1.2                             |            |              |              |                            |
| 85            |                                                 | 1.1                             |            |              |              |                            |
| 90            |                                                 | 1.1                             |            |              |              |                            |
| 95            |                                                 | 1.2                             |            |              |              |                            |
| 300           | T&P                                             | 1.3                             |            |              |              |                            |
| 5             |                                                 |                                 |            |              |              |                            |

GROUND BED RESISTANCE: (1) VOLTS 12.55 - AMPS 8.5 - 1.477 OHMS

(2) VIBROGROUND \_\_\_\_\_ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.  
 LUKENS COMPANY

# MO-TE DRILLING, INC.

DAY Thursday

DRILLER B. A. R. LEFT TOWN 6:30 ARRIVED FIELD 8:00

HELPER Dennis LEFT FIELD ARRIVED TOWN

HELPER Mike TOTAL FOOTAGE TODAY

RIG NO. 200 DATE 8-9-90 CLIENT Uno-Cal

BEGIN WORK ON HOLE NO. 124 AT FEET

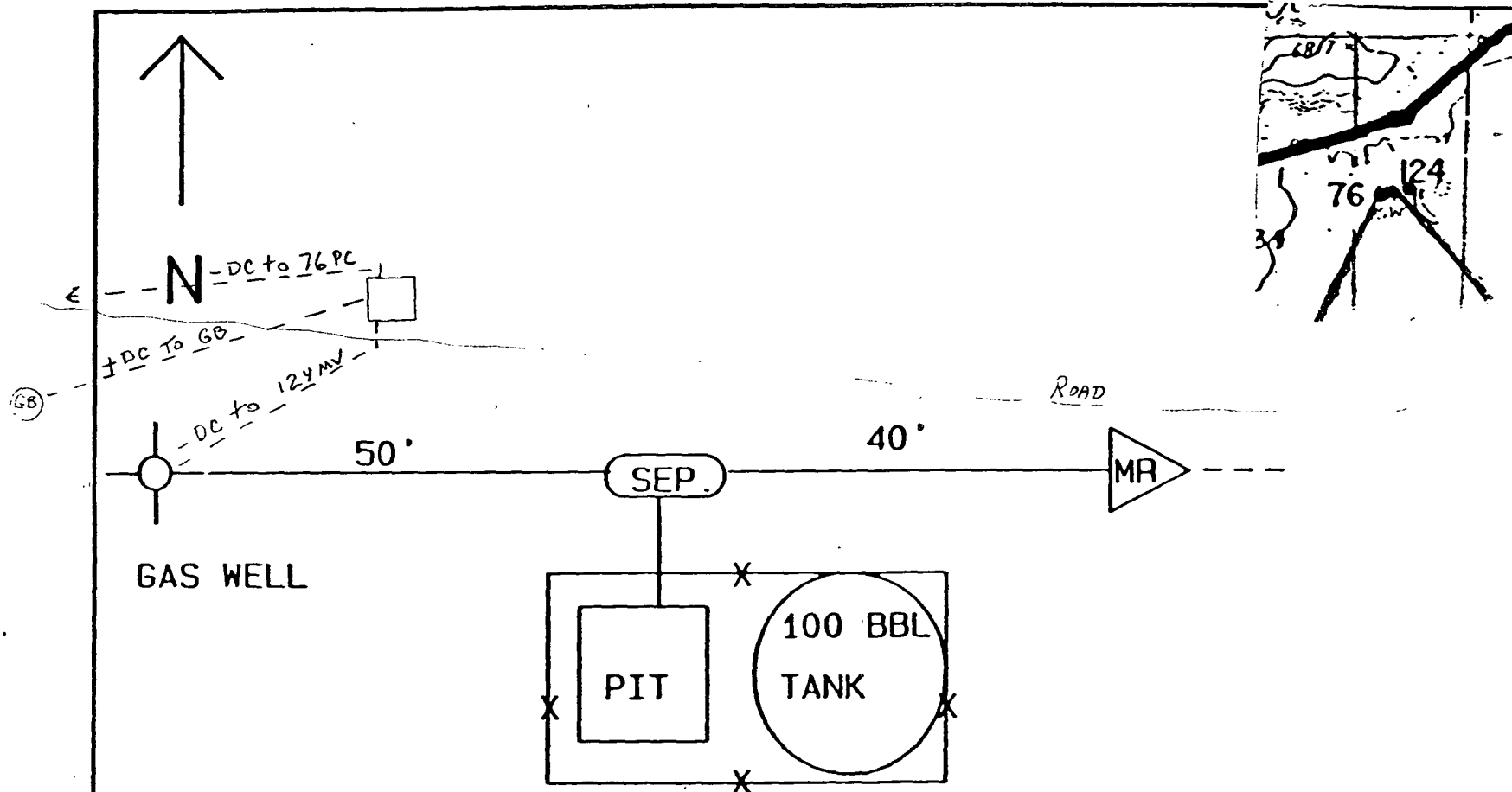
BEGIN WORK ON HOLE NO. AT FEET

| TIME |     | ACTIVITY                                             |
|------|-----|------------------------------------------------------|
| FROM | TO  |                                                      |
| 0    | 20  | Brown sand clay                                      |
| 20   | 60  | Brown sand w/ clay                                   |
| 60   | 100 | Grey shale w/ some sandstone                         |
| 100  | 140 | Light brown shale                                    |
| 140  | 180 | Grey sandstone w/ some shale                         |
| 180  | 240 | Light shale sandstone                                |
| 240  | 250 | Light sandstone                                      |
| 250  | 300 | Light sandstone with streaks of black waxy substance |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |
|      |     |                                                      |

| BIT RECORD    |            |         |
|---------------|------------|---------|
| SIZE & MAKE   | SERIAL NO. | FOOTAGE |
| 1-5/8" Reamer |            |         |
| 5/8" Reamer   |            |         |
|               |            |         |
|               |            |         |

| CIRCULATION MATERIAL |      |          |
|----------------------|------|----------|
| QUAN.                | UNIT | MATERIAL |
|                      |      |          |
|                      |      |          |
|                      |      |          |

NO. OF LOADS OF WATER SOURCE



# REMARKS

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
|                | RINCON UNIT #124 MV<br>SE/NE SEC 34 T27NR7W NMPM<br>METER NO. 72914<br>SF-080385<br>UNOCAL |
|                |                                                                                            |
|                |                                                                                            |
|                |                                                                                            |
|                |                                                                                            |
| DATE: 03/20/89 |                                                                                            |
| SCALE: NONE    |                                                                                            |