

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator UNOCAL, Oil & Gas Division Location: Unit I Sec. 36 Twp 27N Rng 7W

Name of Well/Wells or Pipeline Served Rincon Unit #168E, Rincon Unit #31

168E-30-039-25211 31-30-039-06766

Elevation 6547 GR Completion Date 12-16-92 Total Depth 300' Land Type\* S

Casing, Sizes, Types & Depths N O N E

If Casing is cemented, show amounts & types used

N O N E

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

750 lbs. Enviro plug coarse chips (0' - 50')

Depths & thickness of water zones with description of water when possible: Fresh, Clear,  
Salty, Sulphur, Etc. 40' to 140', 100' thick (damp)

Depths gas encountered: N O N E

Type & amount of coke breeze used: 2500 lbs. SWB Petroleum Coke

Depths anodes placed: 105', 111', 118', 125', 130', 135', 175', 180', 185', 189'

Depths vent pipes placed: 0' to 300'

Vent pipe perforations: 1/8" diameter holes, 100' to 300'

Remarks: First Ground bed installed at his 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 25 1993

OIL CON. DIV.  
DIST. 3

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30 - 039 - 25211                                                                    |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>E290 - 2B                                                           |
| 7. Lease Name or Unit Agreement Name<br>Rincon Unit                                                 |
| 8. Well No.<br>168E, 31                                                                             |
| 9. Pool name or Wildcat<br>Basin Dakota, Undes. Gallup                                              |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br>6547 GR                                       |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☐ GAS WELL ☐ OTHER Cathodic Protection

2. Name of Operator  
Union Oil Company of California dba UNOCAL

3. Address of Operator  
P.O. Box 850, Bloomfield, New Mexico 87413

4. Well Location  
Unit Letter I : 1845 Feet From The South Line and 840 Feet From The East Line

Section 36 Township 27N Range 7W NMPM Rio Arriba County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
6547 GR

|                                                                               |                                                     |
|-------------------------------------------------------------------------------|-----------------------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data |                                                     |
| NOTICE OF INTENTION TO:                                                       | SUBSEQUENT REPORT OF:                               |
| PERFORM REMEDIAL WORK <input type="checkbox"/>                                | REMEDIAL WORK <input type="checkbox"/>              |
| TEMPORARILY ABANDON <input type="checkbox"/>                                  | ALTERING CASING <input type="checkbox"/>            |
| PULL OR ALTER CASING <input type="checkbox"/>                                 | COMMENCE DRILLING OPNS. <input type="checkbox"/>    |
| OTHER: Install Cathodic Protection <input checked="" type="checkbox"/>        | PLUG AND ABANDONMENT <input type="checkbox"/>       |
|                                                                               | CASING TEST AND CEMENT JOB <input type="checkbox"/> |
|                                                                               | OTHER: <input type="checkbox"/>                     |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Proposed installation of Cathodic Protection to well casing:

PROCEDURE: Drill a 6' diameter hole, 300' deep within the existing well location boundary. Ten Dur-Iron anodes will be installed below the uppermost water bearing formation in favorable locations. This will be backfilled with coke breeze (99.5% carbon) to completely surround the anodes. A 50' plug of bentonite will be installed on top of the coke breeze.

A DC rectifier will be installed on existing well location and a buried DC positive cable will be connected to the anode from the rectifier. Negative DC cables from the rectifier will also be buried and connected to well casings to be protected. These cables will be buried 18" to 24" deep (on previously disturbed ground) in existing roads and locations. See attached map.

UNOCAL's completion expectation is July 1, 1993.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Donald E. Linthicum TITLE (Temp.) Production Tech DATE 9/23/92

TYPE OR PRINT NAME Donald E. Linthicum TELEPHONE NO. 632-1811

(This space for State Use)

APPROVED BY Ernie Burch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #2 DATE OCT 26 1992

CONDITIONS OF APPROVAL, IF ANY: Give this office 24 hour notice, so that the operation can be witnessed.

CITY: *San Francisco*WELL NAME: *Rincon 168E*LOCATION: *corner of Rincon St*DATE: *12-16-92*TOTAL VOLUME: *14.6*TOTAL AREA: *9.4*OHM RESISTANCE: *1.55*

|       |           |           |       |           |           |       |           |           |       |           |           | ANODE READINGS |       |         |           |
|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|----------------|-------|---------|-----------|
| DEPTH | TOO ANODE | ANODE NO. | DEPTH | TOO ANODE | ANODE NO. | DEPTH | TOO ANODE | ANODE NO. | DEPTH | TOO ANODE | ANODE NO. | NO.            | DEPTH | NO COKE | WITH COKE |
| 5     |           |           | 185   | 2.1       |           | 365   |           |           | 545   |           |           | 1              | 189   | 1.3     | 3.5       |
| 10    |           |           | 190   | .9        |           | 310   |           |           | 550   |           |           | 2              | 185   | 2.2     | 4.0       |
| 15    |           |           | 195   | .2        |           | 315   |           |           | 555   |           |           | 3              | 180   | 2.1     | 4.2       |
| 20    |           |           | 200   | .4        |           | 300   |           |           | 560   |           |           | 4              | 175   | 1.3     | 2.4       |
| 25    |           |           | 205   | .4        |           | 305   |           |           | 565   |           |           | 5              | 135   | 1.6     | 3.3       |
| 30    |           |           | 210   | .5        |           | 390   |           |           | 510   |           |           | 6              | 130   | 1.7     | 3.1       |
| 35    |           |           | 215   | .6        |           | 395   |           |           | 515   |           |           | 7              | 125   | 1.5     | 2.8       |
| 40    |           |           | 220   | .6        |           | 400   |           |           | 500   |           |           | 8              | 118   | 1.4     | 2.0       |
| 45    |           |           | 225   | .6        |           | 405   |           |           | 505   |           |           | 9              | 111   | 2.0     | 3.0       |
| 50    |           |           | 230   | .3        |           | 410   |           |           | 590   |           |           | 10             | 105   | 1.2     | 2.9       |
| 55    |           |           | 235   | .3        |           | 415   |           |           | 595   |           |           |                |       |         |           |
| 60    |           |           | 240   | .5        |           | 420   |           |           | 600   |           |           |                |       |         |           |
| 65    |           |           | 245   | .4        |           | 425   |           |           | 605   |           |           |                |       |         |           |
| 70    |           |           | 250   | .4        |           | 430   |           |           | 610   |           |           |                |       |         |           |
| 75    |           |           | 255   | .3        |           | 435   |           |           | 615   |           |           |                |       |         |           |
| 80    |           |           | 260   | .3        |           | 440   |           |           | 620   |           |           |                |       |         |           |
| 85    |           |           | 265   | .3        |           | 445   |           |           | 625   |           |           |                |       |         |           |
| 90    |           |           | 270   | .3        |           | 450   |           |           | 630   |           |           |                |       |         |           |
| 95    |           |           | 275   | .5        |           | 455   |           |           | 635   |           |           |                |       |         |           |
| 100   | .3        |           | 280   | .4        |           | 460   |           |           | 640   |           |           |                |       |         |           |
| 105   | 1.4       |           | 285   | .4        |           | 465   |           |           | 645   |           |           |                |       |         |           |
| 110   | 1.9       |           | 290   | <i>RD</i> |           | 470   |           |           | 650   |           |           |                |       |         |           |
| 115   | 1.4       |           | 295   |           |           | 475   |           |           | 655   |           |           |                |       |         |           |
| 120   | 1.2       |           | 300   |           |           | 480   |           |           | 660   |           |           |                |       |         |           |
| 125   | 1.3       |           | 305   |           |           | 485   |           |           | 665   |           |           |                |       |         |           |
| 130   | 1.5       |           | 310   |           |           | 490   |           |           | 670   |           |           |                |       |         |           |
| 135   | 1.4       |           | 315   |           |           | 495   |           |           | 675   |           |           |                |       |         |           |
| 140   | 1.0       |           | 320   |           |           | 500   |           |           | 680   |           |           |                |       |         |           |
| 145   | .3        |           | 325   |           |           | 505   |           |           | 685   |           |           |                |       |         |           |
| 150   | .3        |           | 330   |           |           | 510   |           |           | 690   |           |           |                |       |         |           |
| 155   | .2        |           | 335   |           |           | 515   |           |           | 695   |           |           |                |       |         |           |
| 160   | .2        |           | 340   |           |           | 520   |           |           | 700   |           |           |                |       |         |           |
| 165   | .3        |           | 345   |           |           | 525   |           |           | 705   |           |           |                |       |         |           |
| 170   | .3        |           | 350   |           |           | 530   |           |           | 710   |           |           |                |       |         |           |
| 175   | 1.2       |           | 355   |           |           | 535   |           |           | 715   |           |           |                |       |         |           |
| 180   | 1.8       |           | 360   |           |           | 540   |           |           | 720   |           |           |                |       |         |           |

REMARKS:

Well Name Rincon 16800 S      T      R       
Company Name UNICAJ

[illegible]

|                          |      |      |             |                       |                       |     |     |     |     |
|--------------------------|------|------|-------------|-----------------------|-----------------------|-----|-----|-----|-----|
| Anode Depth              |      |      |             |                       |                       |     |     |     |     |
| a1                       | a2   | a3   | a4          | a5                    | a6                    | a7  | a8  | a9  | a10 |
| Anode Output (Amps)      |      |      |             |                       |                       |     |     |     |     |
| a1                       | a2   | a3   | a4          | a5                    | a6                    | a7  | a8  | a9  | a10 |
| Anode Depth              |      |      |             |                       |                       |     |     |     |     |
| a11                      | a12  | a13  | a14         | a15                   | a16                   | a17 | a18 | a19 | a20 |
| Anode Output (Amps)      |      |      |             |                       |                       |     |     |     |     |
| a11                      | a12  | a13  | a14         | a15                   | a16                   | a17 | a18 | a19 | a20 |
| Total Circuit Resistance |      |      |             |                       |                       |     |     |     |     |
| Vg119                    | Amps | Ohms | Coke Breeze | No. S.C.P. Cable Used | No. 2 C.P. Cable Used |     |     |     |     |

**9/1 Construction Completed**

*Bear E. Borge*  
Signature

**Signature**

### GROUND BED LAYOUT SKETCH

Date \_\_\_\_\_

Remarks:

A

