

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 C Sec. 13 Twp 27N Rng 7W

Name of Well/Wells or Pipeline Served Rincon Unit #167M, Rincon Unit #87

167M-30-039-25062 87-30-039-07061

Elevation 6770 GF Completion Date 12-11-92 Total Depth 320' Land Type* F

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. 100' to 145', 45' thick (wet)

Depths gas encountered: N O N E

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

Depths anodes placed: 180', 185', 190', 195', 200', 225', 240', 255', 275', 280', 285', 290'

Depths vent pipes placed: 0' - 320'

Vent pipe perforations: 1/8" diameter holes, 180' to 320'

Remarks: Lease #SF079298D

First 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 25 1993

OIL CON. DIV.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Oil Company of California dba UNOCAL

3. ADDRESS OF OPERATOR

P.O. Box 850, Bloomfield, New Mexico 87413

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

Rincon Unit 167M - 1154' FNL, 1850' FWL

Rincon Unit 87 - 1800' FNL, 1700' FW

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

167M - 67-6770 GF, 87 - 6761 DF

5. LEASE DESIGNATION AND SERIAL NO.

SF-079298-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Rincon Unit

8. FARM OR LEASE NAME

Rincon Unit

9. WELL NO.

167M, 87

10. FIELD AND POOL, OR WILDCAT

DK, MV, PC

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE/NW SEC 13 T27N R7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Install Cathodic Protection

PCLL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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 backfield 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 Jan 1, 1993.

18. I hereby certify that the foregoing is true and correct

SIGNED

Mike Jabet

TITLE

Production Technician

DATE

7/7/92

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JUL 17 1992

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

CIB #1

WELL NAME:

Rincon 167 m

LOCATION:

13-27-7

DATE:

12-11-92

TOTAL VOLT:

17.6

TOTAL AMP:

14.2

OHM RESISTANCE:

1.03

												ANODE READINGS			
DEPT	LOG ANODE	ANODE NO.	DEPT	LOG ANODE	ANODE NO.	DEPT	LOG ANODE	ANODE NO.	DEPT	LOG ANODE	ANODE NO.	NO.	DEPTH	NO COKE	WITH COKE
5		105	1.6		365			545				1	290	1.2	1.2
10		190	2.0		310			550				2	285	1.3	1.3
15		195	1.8		315			555				3	280	1.7	1.7
20		200	1.5		300			560				4	275	1.4	1.4
25		205	1.2		305			565				5	255	0	1.2
30		210	1.0		390			570				6	240	1.2	2.3
35		215	.5		395			575				7	225	1.7	3.6
40		220	.7		400			580				8	200	1.6	6.0
45		225	1.6		405			585				9	195	1.9	7.0
50		230	.4		410			590				10	190	2.1	7.0
55		235	.3		415			595				11	185	1.8	6.5
60		240	1.2		420			600				12	180	1.4	4.8
65		245	.9		425			605							
70		250	.2		430			610							
75		255	.2		435			615							
80		260	.8		440			620							
85		265	.5		445			625							
90		270	1.1		450			630							
95		275	1.2		455			635							
100		280	1.5		460			640							
105		285	1.5		465			645							
110		290	1.0		470			650							
115		295	1.1		475			655							
120		300	7.0		480			660							
125		305			485			665							
130		310			490			670							
135		315			495			675							
140		320			500			680							
145		325			505			685							
150	1.0	330			510			690							
155	.7	335			515			695							
160	.7	340			520			700							
165	.7	345			525			705							
170	.9	350			530			710							
175	1.0	355			535			715							
180	1.0	360			540			720							

REMARKS:

we had problem loading GB. 1 thru 4 are in water
 5 is stuck in sandstone 6 thru 12 are o.k.
 1 thru 12 read 14.6 V with 14.0 amps.
 6 thru 12 read 14.6 V with 11.0 amps.

Formations

Well Name KINCO 167M Q S 13 T 27 R 2

Company Name _____

FOOTAGES			WATER	SHALE	SAND	SAND STONE	BENT ONITE	CLAY	GRAVEL	ROCK	CASED
0	50	clay						✓			
50	70	shale		✓							
70	100	sandstone / shale	✓	✓	✓	✓					
100	145	shale / sand water		✓							
145	150	shale		✓							
150	165	sandstone				✓					
165	210	shale		✓							
210	220	SANDSTONE				✓					
220	225	SHALE		✓							
225	235	SANDSTONE				✓					
235	245	shale		✓							
245	260	SANDSTONE				✓					
260	320	SILT		✓							

Anode Depth									
21	22	23	24	25	26	27	28	29	30
Anode Output (Amp)									
21	22	23	24	25	26	27	28	29	30
Anode Depth									
31	32	33	34	35	36	37	38	39	40
Anode Output (Amp)									
31	32	33	34	35	36	37	38	39	40
Total Circuit Resistance									
Volts	Amps	Ohms	Cable Breaks	No. 8 C.P. Cable Used				No. 2 C.P. Cable Used	

All Construction Completed
Brian E. Burge
 Signature

GROUND BED LAYOUT SKETCH

12-1-92
 Date

Remarks:

