

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 079365A	
2. NAME OF OPERATOR Union Oil Company of California (dba(Unocal))		6. INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 671, Midland TX.		7. UNIT AGREEMENT NAME Rincon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement) At surface: 2290' FNL and 550' FVM At proposed prod zone: Same as Surface		8. FARM OR LEASE NAME, WELL NO. Rincon Unit 146M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 40 miles Southeast from Bloomfield NM.		9. API WELL NO. 30-039-26467	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE FT (Also to nearest orig. Unit line, if any) 2300'		10. FIELD AND POOL OR WILDCAT Basin Dakota/ Mesa Verde	
16. NO. OF ACRES IN LEASE 2645.09		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA E Sec. 23, T-27-N, R-6-W	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 <sup>4</sup> /320N		12. COUNTY OR PARISH Rio Arriba	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 2291'		13. STATE NM	
19. PROPOSED DEPTH 7702'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, or) 5560' GR		22. APPROX. DATE WORK WILL START July 1, 2000	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	H-40 9-5/8"	32.3#	350'	285 SACKS "B" TOC @ SURFACE
8-3/4"	K-55 7"	20#	2800'	300 SACKS TYPE III TOC @ SURFACE
6-1/4"	N-80 4-1/2"	11.6#	7702'	SACKS 65/35 POZ TYPE III TOC TIED INTO 7" CASI

**This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4. "Expedited APD/ROW"**

Unocal plans to drill the Rincon Unit 146M, and complete in the Mesa Verde and the Basin Dakota and downhole commingle the two formations.

BOP- One double gate BOP with 3-1/2" pipe and blind rams, one choke manifold with adjustable and positive chokes, an accumulator will hydraulically operate BOP with 1 1/2 times the necessary capacity to close the rams and retain a minimum of 200 psi above recharge. Rotating head will be utilized during the drilling of the 6-1/4" hole. (Schematics are attached)

We will have a fire suppression system in place, in the event that we have to flare while dust drilling the production hole.

IN ABOVE SPACE DESCRIBED PROGRAM, if proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Mike C. Phillips TITLE PERMIAN ROCKY MOUNTAIN DRILLING FOREMAN DATE 05/31/00  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Jim Lovato TITLE \_\_\_\_\_ DATE JUL 12 2000

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HOLD 0104 FOR NSL-Basin Dakota

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30039-26469</b>		2 Pool Code <b>71599</b>		3 Pool Name <b>Basin Dakota</b>		
4 Property Code <b>011510</b>		5 Property Name <b>RINCON UNIT</b>			6 Well Number <b>146M</b>	
7 OGRID No. <b>023708</b>		8 Operator Name <b>UNION OIL COMPANY OF CALIFORNIA</b>			9 Elevation <b>6560 -</b>	

10 Surface Location

UL or lot no. <b>E</b>	Section <b>23</b>	Township <b>27 N</b>	Range <b>6 W</b>	Lot Idn	Feet from the <b>2290</b>	North/South line <b>North</b>	Feet from the <b>550</b>	East/West line <b>West</b>	County <b>Rio Arriba</b>
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres <b>320 N/2</b>	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<b>NSK</b> <b>78.54ch</b> <b>2290'</b> <b>550'</b>		<b>S 89° 47' W</b> <b>79.60ch.</b>		<b>79.13ch.</b>	
<b>NO 58'E</b>		<b>SEC 23</b> <b>SF079365A</b>		<b>NO 38'E</b>	
<b>Ed.</b>		<b>Ed.</b>		<b>Ed.</b>	
<b>N 89° 44' W</b>		<b>80.15ch.</b>		<b>Ed.</b>	

17 OPERATOR CERTIFICATION

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

**Mike Phillips**  
Signature  
Printed Name  
Rky Mtn/Perm Basin Drlg Foreman  
Title  
3/9/2000  
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief

**William J. Mahnke II**  
Signature and Seal of Professional Surveyor  
#8466  
Date of Survey  
Certificate Number 8466

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-039-26469</b>		Pool Code <b>72319</b>	Pool Name <b>Blanco Mesa Verde</b>
Property Code <b>011510</b>	Property Name <b>RINCON UNIT</b>		Well Number <b>146M</b>
OGRID No. <b>023708</b>	Operator Name <b>UNION OIL COMPANY OF CALIFORNIA</b>		Elevation <b>6560</b>

<sup>10</sup> Surface Location

UL or lot no. <b>E</b>	Section <b>23</b>	Township <b>27 N</b>	Range <b>6 W</b>	Lot Idn	Feet from the <b>2290</b>	North/South line <b>North</b>	Feet from the <b>550</b>	East/West line <b>West</b>	County <b>Rio Arriba</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres <b>320</b>									
<sup>13</sup> Joint or Infill									
<sup>14</sup> Consolidation Code									
<sup>15</sup> Order No.									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Ed. <b>S89°47'W</b>		<b>79.60ch.</b>		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature <b>Mike Phillips</b> Printed Name Rky Mtn/Perm Basin Drlg Foreman Title 3/9/2000 Date	
78.54ch. 2290' 550' 146m		79.13ch.		Mike Phillips	
Ed. <b>N89°44'W</b>		<b>80.15ch.</b>		<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief  Date of Survey Signature and Seal of Professional Surveyor #8466 William T. Mahnke II Certificate Number 8466	
78.54ch. 2290' 550' 146m		79.13ch.		William T. Mahnke II	

UNION OIL COMPANY OF CALIFORNIA  
RINCON UNIT #146M  
2290'FNL & 550'FWL  
Sec.23, T27N, R6W, NMPM  
Rio Arriba Co., NM

22 G A S 23

F I E L D 24

M E S A

I N A D A