

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		2003 JUL 14 AM 8:24		5. LEASE DESIGNATION AND SERIAL NO. SF-079360	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		C/O Farmington, NM		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. NAME OF OPERATOR Pure Resources				7. UNIT AGREEMENT NAME Rincon Unit	
8. ADDRESS AND TELEPHONE NO. P.O. Box 850, Bloomfield New Mexico				8. FARM OR LEASE NAME, WELL NO. Rincon Unit 184P	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)* At surface 2535' FSL and 485' FWL At proposed prod. zone Same as Surface				9. API WELL NO. 30 039 02 7466	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 40 miles Southeast from Bloomfield NM.				10. FIELD AND POOL OR WILDCAT Basin Dakota/ Mesa Verde	
11. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 2627		12. NO. OF ACRES IN LEASE 2645		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA H Sec. 15, T-27-N, R-7-W	
13. PROPOSED DEPTH 7739'		14. ROTARY OR CABLE TOOLS Rotary		12. COUNTY OR PARISH Rio Arriba	
15. ELEVATIONS (Show whether DF, RT, GR,) 6699'gl		16. APPROX. DATE WORK WILL START* ASAP		13. STATE NM	

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'	200 SACKS "B" TOC @ SURFACE
8-3/4"	K-55 7"	20#	2650'	405 SACKS TYPE III TOC @ SURFACE
6-1/4"	N-80 4-1/2"	11.6#	7739'	610 SACKS 65/35 POZ TYPE III TOC TIED INTO
				7" casing

"Expedited APD/ROW"

Pure plans to drill the Rincon Unit 184P, and complete in the Mesa Verde and the Basin Dakota and downhole commingle the two formations. This well will be an infill 80 acre.

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)

This action is subject to technical and procedural review pursuant to 43 CFR 3160.4 and appeal pursuant to 43 CFR 3160.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

HOLD C1M FOR

Change of Status to MV in Rincon #85

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.

24. SIGNED Mike C. Phillips TITLE San Juan Basin Area Drlg Prod Foreman DATE 7/6/03
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE SEP 10 2003

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 Original Signed: Stephen Mason TITLE _____ DATE SEP 10 2003

*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.

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

RECEIVED Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

070 Farmington, NM
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27466		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 26629	*Property Name RINCON UNIT		*Well Number 184P
*OGRID No. 189071	*Operator Name PURE RESOURCES		*Elevation 6699'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
1	15	27-N	7-W		2426'	SOUTH	13'	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 320		*Joint or Infill		*Consolidation Code		*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

16		17 OPERATOR CERTIFICATION	
<p>RINCON UNIT #85 "PM" WELL HEAD</p> <p>FD 3 1/4" B.L.M. BC 1955</p> <p>LAT. 36°34'27"N (NAD 83) LONG. 107°33'12"W</p> <p>N 02-26-29 E 2610.23' (M)</p> <p>S 85-39-07 W 2640.76' (M)</p> <p>FD 3 1/4" B.L.M. BC 1955</p> <p>FD 1 1/2" AC STAMPED "LS 8894"</p>		<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i> Signature</p> <p>Mike Phillips Printed Name</p> <p>Completion / Foreman Title</p> <p>7/6/03 Date</p>	
		18 SURVEYOR CERTIFICATION	
		<p>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.</p> <p>DAVID A. JOHNSON Date of Survey</p> <p>14827 Signature and Seal of Professional Surveyor</p> <p>REGISTERED PROFESSIONAL SURVEYOR 14827</p>	
		Certificate Number	

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410

070 Farmington, NM

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code Z6629	*Property Name RINCON UNIT	*Well Number 184P
*OCCID No. 189071	*Operator Name PURE RESOURCES	*Elevation 6599'

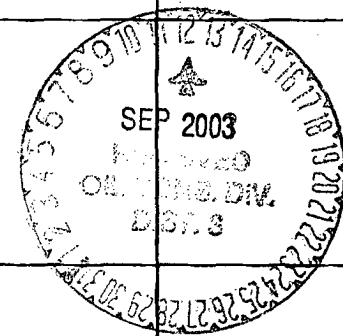
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	15	27-N	7-W		2426'	SOUTH	13'	EAST	RIO ARriba

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
*Dedicated Acres			*Joint or Infill		*Consolidation Code		*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

<p>16</p>  <p>RINCON UNIT #85 "PM" WELL HEAD</p> <p>FD 3 1/4" B.L.M. BC 1955</p> <p>LAT. 36°34'27"N (NAD 83) LONG. 107°33'12"W</p> <p>N 02-26-29 E 2610.23' (M)</p> <p>FD 3 1/4" B.L.M. BC 1955</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mike Phillips</i> Signature</p> <p>Mike Phillips Printed Name</p> <p>Completion Foreman Title</p> <p>7/6/03 Date</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>DAVID A. JOHNSON Date of Survey</p> <p>14827 Signature and Seal of Professional Surveyor</p> <p>REGISTERED PROFESSIONAL SURVEYOR 14827</p> <p>Certificate Number</p>	<p>19</p> <p>FD 1 1/2" AC STAMPED "LS 8894"</p> <p>184'</p> <p>1307'</p> <p>13'</p> <p>1121'</p> <p>2426'</p>
--	--	---

**PURE RESOURCES
RINCON UNIT WELL NO. 184P
2426' FSL, 13' FEL, SEC. 15, T-27-N, R-7-W**

8 POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS

<u>FORMATION NAME</u>	<u>DEPTH FROM GL</u>
San Jose	Surface
Ojo Alamo	2,249'
Kirtland Shale	2,594'
Pictured Cliffs	3,204'
Cliff House	4,909'
Point Lookout	5,484'
Mancos	5,864'
Tocito Sand	7,034'
Dakota	7,634'
ETD	7,734'
Permit TD	7,739'

2. OIL, GAS, WATER, OR OTHER MINERAL BEARING ZONES

<u>EXPECTED GAS ZONES</u>	<u>DEPTH FROM GL</u>
Fruitland Coal	3150'-3204'
Pictured Cliffs	3204-3244'
Mesa Verde	4909-5864
Dakota	7634-7739

<u>EXPECTED WATER ZONES</u>	<u>DEPTH FROM GL</u>
Ojo Alamo	2249'

Possible water zones will be protected by 7" intermediate casing and/or 4-1/2" production strings, 7" cemented to surface, and 4-1/2" casing cement tied in to 7".

3. PRESSURE CONTROL BOP'S AND RELATED EQUIPMENT

Casing Head: 7" x 11" – 3000 psi W.P.

BOP Stack and Related Equipment: (See Attachment No. 1 &2).

RINCON UNIT WELL NO. 184P
DRILLING PROGRAM – PAGE 2

One double-gate BOP with 4-1/2" and then 3-1/2" pipe and blind rams.

One choke manifold with adjustable and positive chokes.

An accumulator will hydraulically operate the BOP with 1-1/2 times the necessary capacity to close the rams and retain a minimum of 200psi above recharge. The remote unit will be located in the bottom "dog house" or on the ground between the "dog house" and the toolpushers trailer. A rotating head on top of the BOP stack will be utilized when necessary.

Testing Procedure:

The BOP and related equipment will be tested in accordance with the provisions of Onshore Oil and Gas Order No. 2.

BOP's will be operationally tested daily and each test will be logged in the IADC Daily Drilling Report.

Blooie Line:

The blooie line and related equipment will meet all requirements of Onshore Oil and Gas Order No. 2.

4. **CASING AND CEMENTINNG PROGRAM**

SURFACE CASING (Spud Mud)

<u>Age</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
New	0-350'	12-1/4"	9-5/8"	32.3#	H-40	ST&C

INTERMEDIATE CASING (FW Mud)

<u>Age</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
New	0-2650'	8-3/4"	7"	20#	K-55	ST&C

PRODUCTION CASING (Air Dusting)

<u>Age</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
New	0-TD	6-1/4"	4-1/2"	11.6#	L-80	LT&C

MINIMUM SAFETY FACTORS

Collapse: 1.125

Tension: 1.8

Burst: 1.0

RINCON UNIT WELL NO. 184P
DRILLING PROGRAM – PAGE 3

Cementing Program

1. The 9-5/8" surface casing will be cemented to the surface with 200 sacks of class "Type III" cement + 2% CaCl₂ and 1/4# per cello flake. 14.6ppg, 1.39 yield. Represents 137% excess.
2. The 7" intermediate casing will be cemented to surface with; 325 sacks of Premium Lite FM cement + 8% gel + 2% CACL₂, + 6.25#/sack LCM + .25 lbs/sk Cello Flake @ 12.1 ppg, + 2.11 yield, Followed by 80 sacks class "Type III" cement + 2% CACL₂ + 1/4 #/sack cello-flake. @ 14.6 ppg, 1.39 yield. This represents 33% excess.
3. The 4-1/2" production casing will be cemented and tied into the intermediate casing with 85 sacks Premium Lite HS FM + .3% R-3, + 2% CACL₂ + 1/4 #/sack CF + .3% CD-32 + 5#/SK LCM-1 + 1% FL-52, 11.9 ppg, 2.37 yield. Followed by 525 sks Premium Lite HS FM + .3% R-3, + 2% CACL₂ + 1/4 #/sk CF + .3% CD-32 + 5#/sk LCM-1 + 1% FL-52. 12.5 ppg, 2.02 yield. Represents 45% excess.

Casing hardware for the production string to include guide shoe, float collar, centralized shoe joint and next five joints. Centralizers across producing zones.

Auxiliary Equipment

A kelly cock will be used with handle available. A full opening safety valve will be used when Kelly is out of string. Rotating head while air drilling. Will have vacuum diversion on blooie line.

5. **DRILLING FLUID PROGRAM**

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>W.L.</u>
0-350'	Spud Mud			N.C.
350-2650'	Fresh Water Gel	8.3-8.6	30-35	N.C.
2650'-TD	Air	N.C.	N.C.	N.C.