

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Pure Resources

3. ADDRESS AND TELEPHONE NO.

P.O. Box 850, Bloomfield New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)*

At surface

665' FNL and 665' FEL

At proposed prod zone

Same as Surface

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

40 miles Southeast from Bloomfield NM.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE FT. (Also to
nearest dip, unit line, if any)

665'

18. DISTANCE FROM PROPOSED* LOCATION TO
NEAREST WELL, DRILLING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT.2680'
1350'

16. NO. OF ACRES IN LEASE

2645.09

19. PROPOSED DEPTH

7650'

17. NO. OF ACRES ASSIGNED TO
THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR,

6583' GR

22. APPROX. DATE WORK WILL START*

May 1, 2001

23.

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#	2389'	300 SACKS TYPE III TOC @ SURFACE
6-1/4"	N-80 4-1/2"	11.6#	7400'	SACKS 65/35 POZ TYPE III TOC TIED INTO 7" CAS

"Expedited APD/ROW"

Pure plans to drill the Rincon Unit 134R, 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 3165.3
and appeal pursuant to 43 CFR 3165.4

ALL ACTIONS AUTHORIZED ARE
IN ACCORDANCE WITH ATTACHED
LEGAL REQUIREMENTS.

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 Foreman

DATE

04/08/02

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

6/10/02

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


David J. Munkiewicz

TITLE

DATE

JUN 10

***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.

MUCO

<p>QTR. CORNER FD. BRASS CAP BLM 1954</p>	<p>N 88-20-54 W 2618.70'</p> <p>644' 665'</p> <p>LAT. = 36-30-18 N. LONG. = 107-31-13 W.</p> <p>663'</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><u>[Signature]</u> Signature</p> <p><u>Mike Phillips</u> Printed Name</p> <p><u>San Juan Basin Drilling/Production</u> Title Foreman</p> <p><u>4/18/02</u> Date</p>
	<p>SEC. CORNER FD. BRASS CAP BLM 1954</p> <p>12</p> <p>JUN 2002 RECEIVED OIL CONS. DIV. DIST. 8</p> <p>5311.61' S 00-38-03 W</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><u>2-15-02</u> Date of Survey</p> <p><u>[Signature]</u> and Seal of Professional Surveyor: Signature and Seal of Professional Surveyor</p> <p><u>8894</u> Certificate Number</p>
	<p>SEC. CORNER FD BLM BC 1954</p>	

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039 26982		*Pool Code 71599	*Pool Name Basin Dakota	
*Property Code 26629	*Property Name RINCON UNIT			*Well Number 134R
*OGRID No. 189071	*Operator Name PURE RESOURCES			*Elevation 6583'

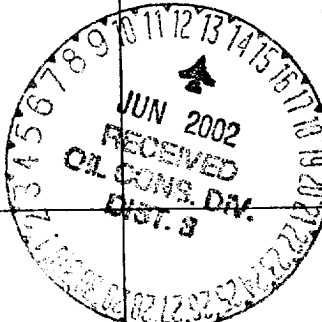
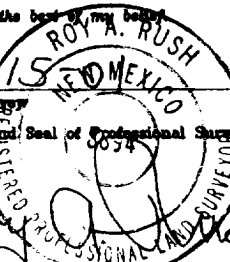
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	26-N	7-W		665'	NORTH	665'	EAST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UT or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320					13 Joint or Infill		14 Consolidation Code		15 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

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<p>12</p>	<p>18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <div style="text-align: center;">  </div> <p style="text-align: right;"><u>2-15-02</u> Date of Survey</p> <p style="text-align: right;"><u><i>[Signature]</i></u> Signature and Seal of Professional Surveyor</p> <p style="text-align: right;"><u>8894</u> Certificate Number</p>	

**PURE RESOURCES
RINCON UNIT WELL NO. 134R
665' FNL, 665' FEL, SEC. 12, T-26-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	2,259'
Kirtland Shale	2,369'
Pictured Cliffs	2,879'
Cliff House	4,569'
Point Lookout	5,124'
Mancos	5,474'
Tocito Sand	6,644'
Dakota	7,249'
ETD	7,370'
Permit TD	7,400'

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

<u>EXPECTED GAS ZONES</u>	<u>DEPTH FROM GL</u>
Fruitland Coal	2850'-2879'
Pictured Cliffs	2879-2971'
Mesa Verde	4569-5474
Dakota	7249-7400'

<u>EXPECTED WATER ZONES</u>	<u>DEPTH FROM GL</u>
Ojo Alamo	2259'

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. 134R
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	0-2389'	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. 134R
DRILLING PROGRAM – PAGE 3

Cementing Program

1. The 9-5/8" surface casing will be cemented to the surface with 285 sacks of class "B" cement + 2 Cacl₂ and ¼# per cello flake. 14.5ppg
2. The 7" intermediate casing will be cemented to surface with; 300 sacks of type III (35:65) Poz cement + 8% gel + 2% CACL₂, + 6.25#/sack Gilsonite, .25 lbs/sk Cello Flake @ 12.1 ppg , Followed by 50 sacks class "B" cement + 2% CACL₂ + ¼ #/sack cello-flake. @ 14.5 ppg.
3. The 4-1/2" production casing will be cemented and tied into the intermediate casing with 600 sacks 65/35 Poz Type III cement + ¼ #/sack CF, 6% gel, 10#/sack CSE + 3% KCL, FL-62 + .2% CD-32, @ 12.5 ppg.

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.
350-2389'	Fresh Water Gel	8.3-8.6	30-35	N.C
2389'-TD	Air	N.C.	N.C.	N.C.

PURE RESOURCES

RINCON UNIT 134R

NE/4 SEC. 12, T-26-N, R-7-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

665' FNL

665' FEL

