

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
WELLGAS
WELL

OTHER

SINGLE
ZONEMULTIPLE
ZONE

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

660' FSL and 330' 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 (Also to

nearest drilg. Unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2645.09

18. DISTANCE FROM PROPOSED* LOCATION TO

NEAREST WELL, DRILLING, COMPLETED

OR APPLIED FOR, ON THIS LEASE, FT.

1520'

19. PROPOSED DEPTH

7899'

17. NO. OF ACRES ASSIGNED TO

THIS WELL

336.27

20. ROTARY OR CABLE TOOLS

Rotary

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

6664' GR

22. APPROX. DATE WORK WILL START*

ASAP

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#	2784'	300 SACKS TYPE III TOC @ SURFACE
6-1/4"	N-80 4-1/2"	11.6#	7899'	SACKS 65/35 POZ TYPE III TOC TIED INTO 7" CAS

"Expedited APD/ROW"

Pure plans to drill the Rincon Unit 177Q, 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)

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

This application is subject to technical and
production review pursuant to 43 CFR 3165.4
and appeal pursuant to 43 CFR 3165.4.

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

10/13/03

(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: **David J. Mentkiewicz**

APPROVED BY

TITLE

DATE

OCT 29 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.

NMOC

DISTRICT I
2625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
611 South First, Artesia, N.M. 86210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 72319	*Pool Name Blanco Mesa Verde
*Property Code 26629	*Property Name RINCON UNIT		*Well Number 177Q
*OGRD No.	*Operator Name PURE RESOURCES		*Elevation 6664'

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
P	13	27-N	7-W		660	SOUTH	330	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 328.86 AC E2 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

<div>RECEIVED OCT 17 4 PM 1:40 OIL CONSERVATION DIVISION SANTA FE, NM</div>				<div>OCT 20 2003 OIL CONSERVATION DIVISION SANTA FE, NM</div>			
LOT 4				LOT 3			
LOT 5				LOT 6			
LOT 7				LOT 8			
PURE - RINCON UNIT No. 177E				QUARTER COR. FD 3 1/4" BC 1955 BLM			
LAT. = 36°34'08" N. LONG. = 107°31'06" W.				SEC. COR. FD 3 1/4" BC 1955 BLM			
N 86-27-37 W 2889.29'(M)				N 01-26-41 E 2619.61'(M)			

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

Mike Phillips
Printed Name

Completion Foreman
Title

10/11/03
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.

David A. Johnson
Signature and Seal of Professional Surveyor

14827
Certificate Number

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code Z66Z9	*Property Name RINCON UNIT		*Well Number 177Q
*OGRID No.	*Operator Name PURE RESOURCES		*Elevation 6664'

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
P	13	27-N	7-W		660	SOUTH	330	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 330 336.27 JK					*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 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Mike Phillips</u> Printed Name <u>Completion Foreman</u> Title <u>10/11/03</u> Date	
<div>QUARTER COR. FD 3 1/4" BC 1955 BLM</div>					
<div>13</div>					
LOT 4		LOT 3		LOT 2	
		PURE - RINCON UNIT No. 177E *		LOT 1	
LOT 5		LOT 6		LOT 8	
		QUARTER COR. FD 3 1/4" BC 1955 BLM		LAT. = 36°34'08" N. LONG. = 107°31'06" W. SEC. COR. FD 3 1/4" BC 1955 BLM N 86-27-37 W 2889.29'(M)	
				N 01-26-41 W 2619.61'(M) 330' 680'	

Minimum Safety Factors for Casing:

Collapse = 1.125

Burst = 1.1

Tension = 1.8

Casing hardware for the production string is to include a guide shoe, float collar, centralized shoe joint, and the next five joints centralized. Centralizers will be placed across the production zones.

2. PRESSURE CONTROL BOP'S AND RELATED EQUIPMENT

Casing Head: 7" x 11" – 3000 psi WP.

BOP Stack and Related Equipment: (See Attachments).

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 200 psi 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.

Blooi Line:

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

Auxiliary Equipment:

A kelly cock will be used with the handle available. A full opening safety valve will be used when the kelly is not on the drillstring. A rotating head will be used while air drilling. Vacuum diversion will be available on the blooi line.

3. CORING, TESTING, & LOGGING PROGRAM

DST's: None planned.

Logging: Cased hole GR/Dual Burst Thermal Decay

Cores: None planned.

Completion: During completion, the drilling rig will be removed and a completion rig will be moved in and BOP's of a similar pressure rating will be used. The Dakota and Mesa Verde will be selectively perforated and individually hydraulically stimulated. The wells will be commingled with 2-3/8" production string. A "Well Completion or Re-completion Report and Log" (Form 3160-4) will be submitted within 30 days after completion of the well per 43 CFR 3164. Two copies of all logs, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and completion operations will be filed with form 3160-4.