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

TITLE

San Juan Basin Area Drig Prod Foreman

DATE

1/12/03

TITLE

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:

TITLE

APPROVED BY

TITLE

TITLE

TITLE

APPROVED BY

TITLE

TITLE

TITLE

TITLE

TITLE

TITLE

TITLE

TITLE

DATE

DATE

DATE

DATE

*See Instructions On Reverse Side

Title18 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 of fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 68240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 86210

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

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	*Pool Code	Pool Name	
30-039-	71599	Basin Dakota	
Property Code	⁰ Prop	perty Name	• Vell Number
26629	RINCON	UNIT	155R
*OGRID No.	⁶ Oper	* Elevation	
189071	PURE (6483'	
189071	_ · · · · · · · · · · · · · · · · · · ·	nae Incetion	

VL or lot no.	Section 17	Township 27-N	Range 6-W	Lot Idn	Feet from the 2488	North/South line SOUTH	Feet from the 428	East/West line WEST	RIO ARRIBA
			11 Botte	om Hole	Location I	f Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acre	1		18 Joint or	i Infili	" Consolidation C	Code	¹⁶ Order No.		<u> </u>
320				*					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

	OR	A NON-STAN	IDARD UNIT HAS B	EEN APPROVED BY	THE DIVISION
RECEIVED 703 JAN 16 PH 2: 13	070 Farrrington, NIM		OCT 2003	- 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein to true and complete to the best of my knowledge and bettef. Mike Phillips Printed Name San Juan Basini Drilling/Production Foreman
FD 3 1/4" BC. 1955 B.L.M.		N 88"10"27" E	5254.45	FD 3 1/4" BC. 1955 B.L.M.	January 13th, 2003
2651.03'		= 38-34-25 N. =107-29-48 W.			I hereby certify that the well location shows on this plat was plotted from field notes of actual surveys made by we or under my supervision, and that the same is true and correct to the best of my belief.
NOC 59,48° E 2 2 48° E 2 2 1/4° BC. 1955 B.L.		* E 2629.37'	FD 3 1/4" BC. 1955 B.L.M.		Dept 50 MEN. Signature and SEE Production Surveyor: ABOFF 45 Contillants Millions

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 68240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 66210

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FD 3 1/4" BC. 1955 B.L.M.

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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

		Fe, NM 87506 W]		CATION	N AND	ACR	EAGE DEDI	CATION PL	AT		
1 API	Number	⁸ Pool Code ⁸ Pool Name									
30-039-			723	19		<u></u>	Blanco Mesa V	erde		* Wel	Number
*Property C	ode					perty No			155R		
26629						N UNIT					levation
189071	•				•	RESOL				_	483'
1890/1							Location				
L or lot no.	Section	Township	Range	Lot Idn	Peet from		North/South line	Feet from the	East,	West line	Ce
L	17	27-N	6-W		2488		SOUTH	428	WEST	Γ	RIO ARF
			¹¹ Bott	om Hole	Locat	ion If	Different Fr	om Surface			
L or lot no.	Section	Township	Range	Lot Idn	Feet from	n the	North/South line	Fest from the	East	West line	C
Dedicated Acre	<u> </u> 	1	¹⁹ Joint or	infill	M Consoile	dation Co	ode	order No.			<u></u>
370											
			L							2001 00	NOOT TO
NO ALLOW	ABLE W							INTERESTS H		EEN CC	NROLLDA
3 1/4" BC.			DM 4 0/07		1		FD 3 1/	Signatur Printed San Juan Title	Mike Name Basin Foreman	Phillip	g/Product
955 B.L.M.	163'	N Transportation	88'10'27"	E 5254.45	· ·		FD 3 1/ 1955 B	L.M.	•		
		LAT. = 36 LONG. =107						I hereby cert was plotted the or under	tify that ti from field my super	e well locati notes of est	RTIFICA on shown on not surveyed to had the source

FD 3 1/4" BC. 1955 B.L.M.

N 87'55'04" E 2629.37'

PURE RESOURCES RINCON UNIT WELL NO. 155R 2488' FSL, 428' FWL, SEC. 17, T-27-N, R-6-W

8 POINT DRILLING PLAN

1. **ESTIMATED FORMATION TOPS**

FORMATION NAME	DEPTH FROM GL
San Jose	Surface
Ojo Alamo	2,188'
Kirtland Shale	2,568'
Pictured Cliffs	3,080'
Cliff House	4,776'
Point Lookout	5,268'
Mancos	5,713'
Tocito Sand	6,498'
Dakota	7,433'
ETD	7,548'
Permit TD	7,600'

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

EXPECTED GAS ZONES	<u>DEPTH FROM GL</u>
Fruitland Coal	3000'-3080'
Pictured Cliffs	3080-3140'
Mesa Verde	4776-5713
Dakota	7433-7600'

EXPECTED WATER ZONES	DEPTH FROM GL
Ojo Alamo	2188'

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. 155R 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. <u>CASING AND CEMENTINNG PROGRAM</u>

SURFACE CASING (Spud Mud)								
<u>Grade</u>	<u>Thread</u>							
H-40	ST&C							
<u>ud)</u>								
<u>Grade</u>	Thread							
K-55	ST&C							
<u>ig)</u>								
<u>Grade</u>	Thread							
L-80	LT&C							
	H-40 Grade K-55 Mag) Grade							

MINIMUM SAFETY FACTORS

Collapse: 1.125 Tension: 1.8 Burst: 1.0

RINCON UNIT WELL NO. 155R 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 ½# 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 + ½ #/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 + ½ #/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>	$\underline{\text{Vis}}$	<u>W.L.</u>
0-350'	Spud Mud			N.C.
350-2608'	Fresh Water Gel	8.3-8.6	30-35	N.C
2608'-TD	Air	N.C.	N.C.	N.C.