SIGNED CIPIED TITLE San Juan Basin Area Drilling Production Foreman DATE 2/24/03

(This space for Federal or State office use)

PERMIT NO.

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:

DATE

SEP 1 0 2003

APPROVED BY

Original Signed: Stephen Mason

*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 1925 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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

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

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

☐ AMENDED REPORT

DISTRICT IV 2040 South Pacheco, Santa Pa, NM 87606

WELL LOCATION AND ACREAGE DEDICATION PLAT ⁸Pool Code

30-039-112-73	71599	Basin Dakota	
⁴ Property Code		Well Humber	
26629	R	174P	
OGRID No.		¹ Operator Name	• Elevation
189071	Р	6598'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/Vest line	County
L	19	27-N	6-W		2155	SOUTH	660	WEST	RIO ARRIBA

11 Rottom Hole Location If Different From Surface

UL or lot no. Section	Township	Range	Lot Ida	Foot from the	North/South line		Rast/Vest line	County
Dedicated Acres	1	¹⁹ Joint or	lnfill	M Consolidation C	ode	"Order No.		
		,						

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

		OR A NON-SIAN	DARD UNIT HAS BEEN APPROVED BY	THE DIVISION
4 7	÷.	in two	8910 1170 7374 75 74 75 75 75 75 75 75 75 75 75 75 75 75 75	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein in true and complete to the best of my inscaledge and belief:
OUARTER (FD 3 1/4" 1955 BLM	COR.	*	LAT. = 38°33'31" N. LONG. =10730'55" W.	Mike Phillips Printin Mama San Drilling/ Production Foreman Title Feb. 24th, 2003
660'	651'	Bu	S. Comments of the comments of	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by
01-20-55 E 2616.09'(M)	44	‡ PURE — RINCON UNI	No. 107	and current to the bust-of-my-ballet.
N 01-2 2616	2155'	V	ZOB FEB 25 PM 2: 51 O70 Farming on, NM	Sand Grant Sand Sand Sand Sand Sand Sand Sand Sand
SEC. COR. FD 3 1/4" 1955 BLM	BC S 86- 262	-10-38 E 22.14'(M)	QUARTER COR. THE STATE OF THE S	Cartiflosta 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

- DESTRICT II 811 South First, Artesia, N.M. 88210

DESTRICT III 1000 Rio Brozos Rd., Asteo, 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

C AMENDED REPORT

2040 South Po	acheco, Santa	Fe, NM 87508						ا ليا	HMICHAL	ED WELOW
•		WI	ELL LO	CATION	I AND AC	REAGE DEDI	CATION PL	AT		
1	API Number		1	Pool Code			*Pool Name	1		
30 - 039-			723	19		Blanco Mesa	Verde 			
*Propert	y Code				Property					Humber
26629					RINCON UI					74P
† OGRE) No.				*Operator					evation
189071					PURE RES					598'
			·		10 Surface					
UL or lot n	į.	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	- 1	RIO ARRIBA
<u>_</u>	19	27-N	11 D 44		2155	SOUTH	660	WEST	1	NO ANNION
UL or lot n	10. Section	Township	Range	m Hole	LOCATION	If Different From Morth/South line	om Surface	East/Ve	- V 1	County
or ar asc i	10. 366110N	rownsnib	words	rot lan	Peer from the	North/coath me	FOST HOM US	East/ we	mar date	County
Dedicated	Acres	<u> </u>	[™] Joint or	hfill	M Consolidation	Code	¹⁸ Order No.	<u> </u>		
1		i		,	Ī		ĺ	•	*	
NO ALL	OWABLE V					ION UNTIL ALL EEN APPROVED			en co.	NSOLIDATED
		OK A N	ION DIA	NDAND	OMII IIAS B	EEN AFIROVED	BI IIIE DIV	IDION		
				W.			17 0	PERATO	R CEF	RTIFICATION
				15.	4		I heraby o	eriffy that the	injernali	on contained herein
. "							- 11	d complete to	the best of	tany kaominina am
							bolief.	*	•	•
								26 7	0//	
	. :			•			Signatus	<i> / </i>		
	· · · · · · · · · · · · · · · · · · ·		····	1	· · · · · · · · · · · · · · · · · · ·				4 40	
a a a							Printed	Phillips	\$ Sec.	<u> </u>
		ı				<u> </u>	San Ju	ıan Basin	4*	
				1 3			Title	oduction I	oreman	<u>!</u>
	1			1		ľ		,		
QUARTER CI FD 3 1/4"				LONG.	= 36°33'31" N =107°30'55" W.		Dete	24th, 200	J.3	
1955 BLM				49						·
	-					İ	16 51	minimo		
660'	මු 651'						11			RTIFICATION
	-						I hereby cer	tify that the u	pell location on of natur	n angun on unu pa al auguna mada du
			•				the or wader	, wa smarrisi	on, and th	at the same is tru
u						1	and correct	to the test of	my bellef.	
5.5		*PURE -	RINCON UI	No. 107			~	DAVID A.	SWHOL	202
01-20-55 E 2616.09'(N)				-			Date of	Burgh Alexander		<u> </u>
26.	35,						Stgnetung	Constant Sent of	Protection	al Sprayor
2	2155	!				1			721	The state of the s
						ļ	100	製し	M)	
				1.					SCONAR	3/
SEC. COR. D 3 1/4"	BC S 86-	-10-38 E		QUARTE	R COR.			1	改义	
955 BLM		2.14'(M)		FD 3 1	/4" BC		Contificate	Homber		

PURE RESOURCES RINCON UNIT WELL NO. 174P 2155' FSL, 660' FWL, SEC. 19, T-27-N, R-6-W Rio Arriba County NM

8 POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS

Surface
2,168'
2,598'
3,103'
4,793'
5,313'
5,743'
6,913'
7,498'
7,663'
7,700'

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

EXPECTED GAS ZON	<u>IES</u>	DEPTH FROM GL
Fruitland Coal		3004'-3103'
Pictured Cliffs		3103-3155'
Mesa Verde		4793-5313'
Dakota	•	7498-7663'
	10 10 10	
EXPECTED WATER	<u>ZONES</u>	DEPTH FROM GL

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".

2168'

3. PRESSURE CONTROL BOP'S AND RELATED EQUIPMENT

Casing Head: 7" x 11" - 3000 psi W.P.

Ojo Alamo

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

RINCON UNIT WELL NO. 174P 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)								
Age	<u>Depth</u>	Hole Size	Size	Weight	<u>Grade</u>	Thread		
New	0-350'	12-1/4"	9-5/8"	32.3#	H-40	ST&C		
INTERMEDIATE CASING (FW Mud)								
Age	Depth	Hole Size	Size	Weight	<u>Grade</u>	Thread		
New	0-2638'	8-3/4"	7"	20#	K-55	ST&C		
PRODUCTION CASING (Air Dusting)								
<u>Age</u>	<u>Depth</u>	Hole Size	Size	Weight	<u>Grade</u>	Thread		
New	0-TD	6-1/4"	4-1/2"	11.6#	IX-80	LT&C		

MINIMUM SAFETY FACTORS

Collapse: 1.125 Tension: 1.8 Burst: 1.0

RINCON UNIT WELL NO. 174P 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 + 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>	<u>Vis</u>	<u>W.L.</u>
0-350'	Spud Mud			N.C.
350-2638'	Fresh Water Gel	8.3-8.6	30-35	N.C
2638'-TD	Air	N.C.	N.C.	N.C.