

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Pure Resources, L. P. 500 W. Illinois Midland, Texas 79701		² OGRID Number 150628
		³ API Number 30 - 025-36680
⁴ Property Code 33830	⁵ Property Name Raptor West "3" State	⁶ Well No. 1
⁹ Proposed Pool 1 Wildcat; Wolfcamp		¹⁰ Proposed Pool 2 Wildcat; Bone Spring

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	19S	34E		1,650	South	1,650	East	Lea

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code P or A	¹² Well Type Code G	¹³ Cable/Rotary R (0'-13,500')	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3,992'
¹⁶ Multiple No	¹⁷ Proposed Depth 12,600'	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date 06/10/2004
Depth to Groundwater 104'		Distance from nearest fresh water well > 1,000'		Distance from nearest surface water > 1,000'
Pit: Liner: Synthetic ☒ 12_mils thick Clay ☐ Pit Volume: 1,500_bbls Drilling Method: ☒				
Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48# J-55	533'	435sx "C"	Surface (CIR 86sx)
12-1/4"	9-5/8"	40# N-80 & J-55	5,008'	2565sx "C"	Surface (CIR 115sx)
8-3/4"	5-1/2"	20# P-110	13,920'	1200sx "H POZ"	CIR 75sx to DV Tool
		DV TOOL	10,083.9'	1300sx "H POZ"	
				TOC@5,577' by TS	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Pure Resources is currently rigged up on this well and seeking approval of this C-101 to plug-back from the Atoka zone (perfs from 12,666'-12,785') and complete in and test the Wolfcamp zone through perfs from 11,436' - 11,568' using the following procedure:

- 1) MIRU, check casing pressure, kill well with 10# brine water. ND Tree. NU 5k BOP wellhead equipment.
- 2) Release packer and equalize. POH w/pkr.
- 3) RU Wireline and packoff.
- 4) Set CIBP @ 13,355' & dump 35' cmt. cap. Set CIBP @ 13,290' & dump 35' cmt. cap. Set CIBP @ 12,636' & dump 35' cmt. cap.
- 5) Perforate Wolfcamp w/1 SPF @ 11,436-42'; 11,488-94'; 11,500-24'; 11,532-36'; 11,553-54'; and 11,561-68' (Total 30 holes)
- 6) GIH w/Hornet pkr & on-off tool on 2-3.8" L-80 4.7# EUE 8rd tbg. Circ. w/2% KCL and spot 300g 15% NEFE across perfs.
- 7) Set pkr @ 11,330 + or -. Test annulus to 1000psi. ND BOP. NU Tree. Break perfs down. Acidize w/5000g 15% NEFE dropping 45 BS's. Ball out.
- 8) Swab / flow test. Evaluate for frac job. Will be done down dasing @ 45 BPM. If zone not commercial, shut in for Bone Spring test or P&A wellbore.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Alan W. Bohling

Title: Regulatory Agent

E-mail Address: abohling@pureresources.com

Date: 9/30/2004

Phone: (432) 498-8662

OIL CONSERVATION DIVISION

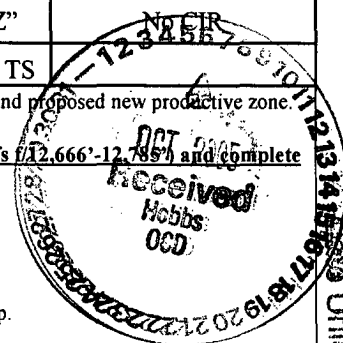
Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐



Permit Expires 1 Year From Approval
Date Unless Rejected Underway
Plugback

DISTRICT II

P.O. Drawer 80, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos P.A., Aztec, NM 87410

DISTRICT IV

P.O. Box 2068, Santa Fe, N.M. 87504-2068

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-36680	Pool Code	Pool Name Wildcat; Wolfcamp
Property Code	Property Name RAPTOR WEST "3" STATE	Well Number 1
OCRID No. 150628	Operator Name PURE RESOURCES, L.P.	Elevation 3992'

Surface Location

UL or lot No.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	19-S	34-E		1650	SOUTH	1650	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acrea	Joint or Infill	Consolidation Code	Order No.						
320									

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

LOT 4	LOT 3	LOT 2	LOT 1
44.32 AC	44.28 AC	44.24 AC	44.20 AC
COORDINATE NAD 27 NME Y = 614351.2 N X = 742717.0 E LAT = 32°41'11.29"N LONG. = 103°32'39.98"W			
1650'			

OPERATOR CERTIFICATION

I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.

Alan W. Bohling
Signature
Alan W. Bohling
Printed Name
Regulatory # **234567**
Title
September 30, 2004
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and to the best of my belief correct to the best of my belief.

April 15, 2004
Date Surveyed
Signature & Seal of Professional Surveyor
Barry H. Edson 4/16/04
07.11.0436
Certificate No. GARY EDSON 12641

DISTRICT I

P.O. Box 1963, Hobbs, NM 88241-1960

DISTRICT II

P.O. Drawer 80, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos P.A., Artesia, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

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Dedicated Acrea 320	Joint or Infill	Consolidation Code	Order No.
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LOT 4 44.32 AC	LOT 3 44.28 AC	LOT 2 44.24 AC	LOT 1 44.20 AC
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GEODETIC COORDINATE
NAD 27 NME
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1650'

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Alan W. Bohling
Signature
Alan W. Bohling
Printed Name
Regulatory Agent
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September 30, 2005
Date
Received

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April 15, 2004
Date Surveyed
Signature & Seal of Professional Surveyor
AWB
07.11.0436
Certificate No. GARY EDSON 12641

WELL: Raptor West 3 State #1
FIELD: La Rica (Morrow)

CURRENT



A Unocal Company

API # 30-025-36680

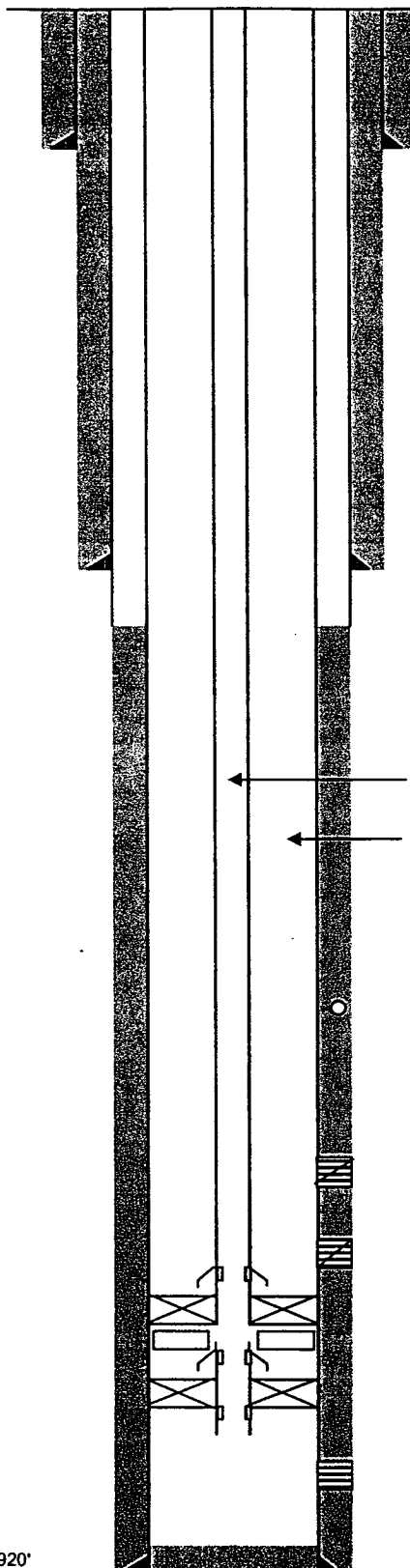
Surf Loc: 1650' FSL 1650' FEL Sec 3 T19S R34E

Lea Co., New Mexico

Elev: GL 3992', KB 4021' (RKB 29')

Spud: 6/4/04 RR 8/3/04

First Sales:



11" 5000 x 7 1/16" 10000

13-3/8" 48# H-40 STC @ 533'
Cmtd to surf w/ 465 sx.

9-5/8" 40# NS80HC & J-55 STC @ 5008'
Cmtd to surf w/ 2565 sx.

TOC 5577' TS

2 3/8" 4.7# L-80 EUE 8rd

7% KCl water

DV tool @ 10083'

Atoka perms 12666-785

Tested wet and squeezed w/ total of 850 sx in 3 squeeze jobs.

Morrow perms 13320-326 - Tested wet and squeezed w/ 100 sx.

On off tool w/ 1.875" F profile.

Baker Hornet packer @ 13,355

Bottom section of Baker RBP - unable to fish

On/off tool w/1.81" F nipple

Baker WL pkr @ 13384 ,8"x2-3/8" tailpipe, 1.81 R nipple, WLEG

Morrow perms 13421-850

Frac w/ approx. 60000 gal 65Q foam and 60000# 20/40 interprop

5 1/2" 20# P-110 LTC @ 13920"

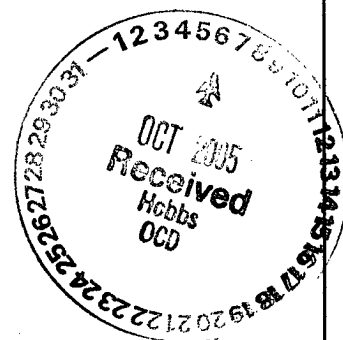
Cmtd in 2 stages w/ DV @ 10083'

First stage: 1200 sx. Circ cmtd to DV

Second stage: 1300 sx. TOC @ 5577' TS

Formation Tops

Base of Anhydrite	1872
Yates	3520
Delaware	6542
Bone Spring	8086
1st Bone Spring Sand	9389
2nd Bone Spring Sand	9890
3rd Bone Spring Sand	10505
Wolfcamp	10817
Strawn	12313
Atoka	12601
Morrow Limestone	12938
Morrow Clastics	13341
Barnett	13779



TD 13920'
FC @ 13823'
Drill out to 13890'

WELL: Raptor West 3 State #1
FIELD: La Rica



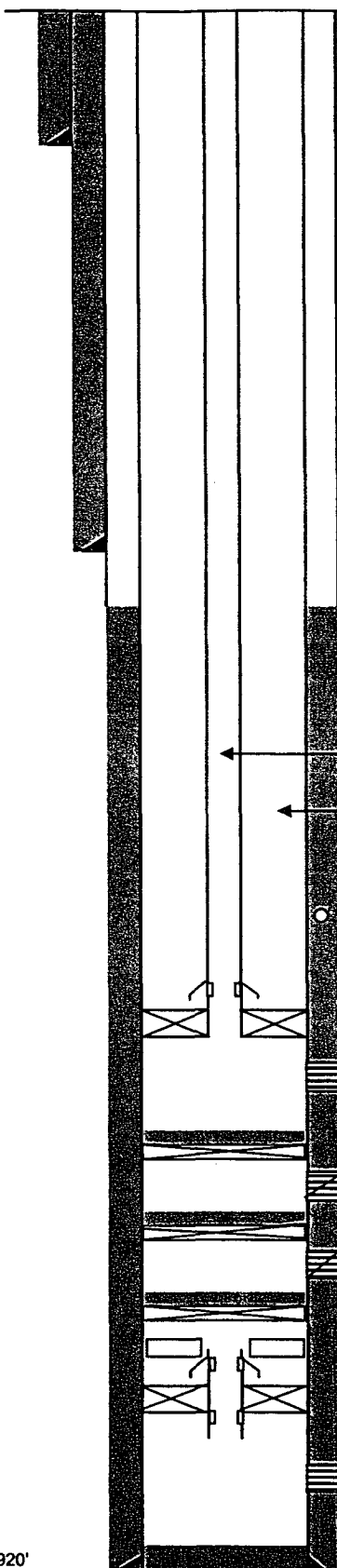
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