

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 (Atoka)		¹⁰ Proposed Pool 2

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 13,200'	¹⁸ Formation Atoka	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 <input checked="" type="checkbox"/> 13 mils thick Clay <input type="checkbox"/> Pit Volume: 1,500 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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"	No CIR
				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 is to temporarily plug-back from the Morrow zone (perfs 6/13,421'-13,850') and complete in and test the Atoka zone through perfs from 12,666'-12,785' using the following procedure:

- 1) RU slickline. Set blanking plug in on-off tool. Load tbg w/7% KCL. Test plug to 500psi. ND tree. NU BOP. Release on-off tool.
- 2) POH w/2-7/8" tubing. RU wireline and lubricator. Set RBP on WL @ 13,200' & dump 10' sand on RBP.
- 3) Perf Atoka as follows w/ 3 SPF phased @ 120 degrees: 12,666', 667', 674', 758', 766', 767', 768', 770', 771', 774', 775', 776', 782', 785' (4 holes).
- 4) RIH w/ pkr, tailpipe, nipple, pump out plug & on-off tool. Set @ 12,560'.
- 5) GIH w/on-off tool stuck on 2-7/8" prod tubing. Test annulus to 1000psi. Space out. ND BOP. NU tree.
- 6) Pressure tubing to pump out plug. Swab / flow test.
- 7) Press backside to 1000psi. Acidize Atoka 12,666'-12,785' w/3,000g 15% NEFE dropping 60 ball sealers to divert.
- 8) Swab / flow test. (Further procedure determined by test results).

7" 10,000# BOP equipment with 10k rated lubricator will be employed during this completion work.

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 OGD-approved plan ☐.

Printed name: Alan W. Bohling

Title: Regulatory Agent

E-mail Address: abohling@pureresources.com

Date: 9/29/2004

Phone: (432) 498-8662

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

PETROLEUM ENGINEER

OCT 04 2004

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

DISTRICT I

P.O. Box 1982, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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 Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-36680	Pool Code	Pool Name Wildcat (Atoka)
Property Code 3383D	Property Name RAPTOR WEST "3" STATE	Well Number 1
GRID No. 150628	Operator Name PURE RESOURCES, L.P.	Elevation 3992'

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	19-S	34-E		1650	SOUTH	1650	EAST	LEA

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	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
<p>GEODETIC COORDINATE</p> <p>NAD 27 NME</p> <p>X = 614351.2 N</p> <p>Y = 742717.0 E</p> <p>LAT = 32°41'11.29"N</p> <p>LONG = 103°32'39.98"W</p>			
<p>1650'</p> <p>1650'</p>			

OPERATOR CERTIFICATION

I hereby certify the 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 Agent
Title

September 29, 2004
Date

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.

April 15, 2004

Date Surveyed: _____ AWB

Signature: & Seal of Professional Surveyor

GARY E. EDSON 4/14/04

07.11.0436

Certificate No. GARY E. EDSON 12841