

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 - 025-06665
⁴ Property Code 26765	⁵ Property Name L. G. Warlick "B"	⁶ Well No. 1
⁹ Proposed Pool 1 Penrose Skelly; Grayburg (50350)		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
H	19	21S	37E		1,980	North	660	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 E and A P	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3,518' DF
¹⁶ Multiple No	¹⁷ Proposed Depth 4,000'	¹⁸ Formation Grayburg	¹⁹ Contractor Pool Well Service	²⁰ Spud Date 01/17/2005
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: NA-Workover Rig—No Drilling.				
Closed-Loop System <input type="checkbox"/> NA-Steel Tanks will be utilized w/spill containment device on BOP. Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> 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"	54.5#	205'	150sx	Surface
12"	8-5/8"	32# J-55	2,855'	1,500sx	TOC @ 960' by TS
7-7/8"	5-1/2"	15.5# J-55	6,620'	650sx	TOC @ 3,100' 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, L. P. respectfully submits this C-101 proposal to re-enter this TA'd wellbore (3/15/1999), re-perf, acidize & fracture treat the Grayburg zone (this zone was previously completed in 1962, then perfs were squeezed w/200sx cmt in 1998). This well was completed in the Blinberry zone in 1998 and later TA'd by setting a CIBP @ 5,403' on 3/15/1999. Pure now wishes to re-enter & complete per the following procedure:

- 1) MIRU PU. NU BOP. RU Wireline & packoff. Run GR/CCL. Correlate to GR/N log.
- 2) Perf Grayburg zone-16 intervals @ 2 SPF phased 120 degrees.
- 3) GIH w/treating packer on 3-1/2" frac tubing. Spot acid across perfs.
- 4) Set packer @ 3,600' +/- . Test annulus to 1000psi. Acidize Grayburg w/3000gals 15% NEFE & 48 ball sealers.
- 5) Swab test to determine water cut.
- 6) Fracture treat Grayburg w/40,000gals & 60,000# 20/40 brady sand w/sandwedge.
- 7) Swab test until sand dissipates. RIH w/2-3/8" CA. Run rods & pump. Turn well to production from Grayburg.

BOP Equipment to be 3000psi+ WP. Steel Tanks will be utilized with spill containment device on BOP Stack (Pit Permit Exception C-103 attached).

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 ☐.

OIL CONSERVATION DIVISION

Approved by:

Printed name: Alan W. Bohling

Title:

PETROLEUM ENGINEER

Title: Regulatory Agent

Approval Date:

Expiration Date:

E-mail Address: abohling@pureresources.com

FEB 17 2005

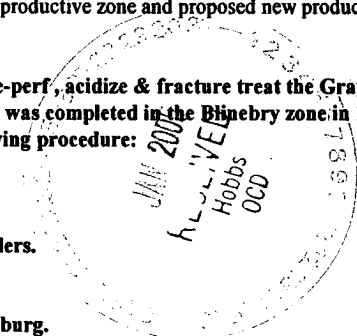
Date: 01/14/2005

Phone: (432) 498-8662

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plugback



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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06665	² Pool Code 50350	³ Pool Name Penrose Skelly; Grayburg
⁴ Property Code 26765	⁵ Property Name L. G. Warlick "B"	⁶ Well Number 1
⁷ OGRID No. 150628	⁸ Operator Name Pure Resources, L. P.	⁹ Elevation 3,518' DF

¹⁰ Surface Location

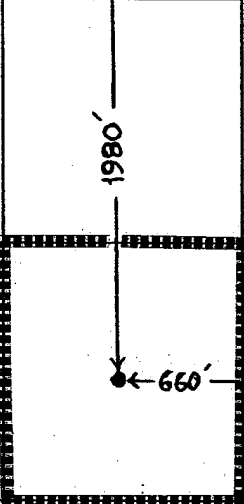
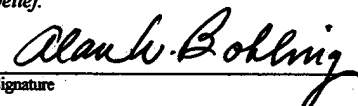
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature
					Alan W. Bohling Printed Name
					Regulatory Agent abohling@pureresources.com Title and E-mail Address
					01/14/2005 Date
					¹⁸ SURVEYOR CERTIFICATION <i>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.</i>
					Date of Survey
					Signature and Seal of Professional Surveyor:
					Certificate Number