

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
March 4, 2004

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator Name and Address Arch Petroleum Inc. P. O. Box 10340 Midland, TX 79702-7340		² OGRID Number 000962
		³ API Number 30 - 025-23494
⁴ Property Code 14920	⁵ Property Name Mattern	⁶ Well No. 1

⁷ Surface Location

UL or lot no. L	Section 30	Township 21S	Range 37E	Lot Idn	Feet from the 1650	North/South line South	Feet from the 660	East/West line West	County Lea
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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
⁹ Proposed Pool 1 Penrose Seklly Grayburg (50350)						¹⁰ Proposed Pool 2			

Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Depth to ground water				Distance from nearest fresh water well			Distance from nearest surface water		
¹¹ Work Type Code P		¹² Well Type Code O		¹³ Cable/Rotary		¹⁴ Lease Type Code P		¹⁵ Ground Level Elevation 3516	
¹⁶ Multiple No		¹⁷ Proposed Depth		¹⁸ Formation Grayburg		¹⁹ Contractor		²⁰ Spud Date when approved	

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	12-3/4	48	309	250	
11	8-5/8	24 & 32	2680	350	
7-5/7	5-1/2	15.5	5975	450	

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.

See Attached.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

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 NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Cathy Wright</i>		Approved by: <i>[Signature]</i>	
Printed name: Cathy Wright		Title: PETROLEUM ENGINEER	
Title: Sr. Eng Tech		Approval Date: MAR 01 2006 Expiration Date:	
E-mail Address: wrightc@pogoproducing.com			
Date: 2/16/06	Phone: 432-685-8100	Conditions of Approval: Attached <input type="checkbox"/>	

Arch Petroleum Inc.
Mattern #1
L/30/T21S/R37E
Lea County, NM
30-025-23494

Arch Petroleum Inc. respectfully request permission to abandon the Paddock and recomplete in the Grayburg in the above captioned well. Procedure is as follows:

1. Dump 50' cmt on CIBP @ 5115'.
2. Test csg to 1000 psi.
3. Perf Grayburg w/ 1 spf 3729, 35, 42, 49, 51, 55, 59, 73, 96, 98, 3829, 31, 43, 65, 75, 77, 3911, 13, 15 & 17.
4. Acidz Grayburg perfs w/ 1500 gals 15% acid.
5. Frac as directed.
6. RIH w/ rods & pump and put well on production.

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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 30-025-23494		² Pool Code 50350		³ Pool Name Penrose Skelly Grayburg	
⁴ Property Code 14920		⁵ Property Name Mattern			⁶ Well Number 1
⁷ OGRID No. 000962		⁸ Operator Name Arch Petroleum Inc.			⁹ Elevation 3516

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	30	21S	37E		1650	South	660	West	Lea


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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Cathy Wright Printed Name Sr. Eng Tech Title and E-mail Address 2/16/06 Date			
	¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyor:			
	Certificate Number			

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Wed 3/1/2006 9:08 AM

Donna, Paladin has 9 Inactive wells and it owns 61 wells and they are allowed to have only 2 inactive wells - I am asking Gail about this one also.

Pogo has 719 wells and are allowed 7 wells and they have 15 inactive and are purchasing 23 inactive from Arch but they do not appear on Jane's list. I have asked Gail about Pogo to see if she has contacted them. The system has been updated so that whenever an operator tries to do an operator change if they are out of compliance with Rule 40 a Warning appears that they are out of compliance and to contact me. I refer them either to Gail or Daniel. They let me know when to proceed with the operator change. However, Pogo submitted the name change before this was in place. Will let you know what Gail says. All the rest are okay.

From: Mull, Donna, EMNRD
Sent: Wednesday, March 01, 2006 7:42 AM
To: Phillips, Dorothy, EMNRD
Subject: Financial Assurance Requirement

Dorothy, These Operators have Intent to drill in District 1 for approval:

Trilogy Operating Inc, (21602)
 Range Operating New Mexico Inc. (227588)
 Marbob Energy Corp. (14049)
 Paladin Energy Corp. (164070)
 Energen Resources Corp (162928)
 Marathon Oil Co. (14021)
 BTA Oil Producers (3002)
 Northstar Operating Co. (152527)
 EverQuest Energy Corp (212929)
 Yates Petroleum Corp (35575)
 Arch Petroleum Inc, (962)
 Chevron USA Inc (4323)
 Pogo Producing Co. (17891)

Please check if the Financial Assurance Requirements are OK for these operators to drill. Thanks Donna