

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

Form C-101

March 4, 2004

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 2203242526272
³ Property Code 14920		⁴ API Number 30 - 025-33544
⁵ Property Name Mattern		⁶ Well No. 4

⁷ Surface Location

UL or lot no. K	Section 30	Township 21S	Range 37E	Lot Idn	Feet from the 2310	North/South line South	Feet from the 2310	East/West line West	County 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

⁹ Proposed Pool 1

Penrose Skelly 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 3491	
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
12-1/4	8-5/8	23	1257	620	
7-7/8	5-1/2	15.5	6818	625	

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
Plugback²³ 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 ☐ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Cathy Wright

Printed name: Cathy Wright

Title: Sr. Eng Tech

E-mail Address: wrightc@pogoproducting.com

Date: 2/16/06

Phone: 432-685-8100

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

MAR 01 2006

Expiration Date:

Conditions of Approval:

Attached ☐

Arch Petroleum Inc.
Mattern #4
K/30/T21S/R37E
Lea County, NM
30-025-33544

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

1. Set CIBP @ 6775' & cap w/ 50' cmt.
2. Perf Grayburg w/ 1 spf 3712, 20, 28, 31, 33, 53, 66, 82, 84, 3813, 17, 26, 37, 49, 59, 93, 95, 98, 3901, 04.
3. Acdz Grayburg perfs w/ 1500 gals 15% acid.
4. Frac as directed.
5. RIH w/ rods & pump and put well on production.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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 30-025-33544	² Pool Code 50350	³ Pool Name Penrose Skelly Grayburg
⁴ Property Code 14920	⁵ Property Name Mattern	⁶ Well Number 4
⁷ OGRID No. 000962	⁸ Operator Name Arch Petroleum Inc.	⁹ Elevation 3491

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
K	30	21S	37E		2310	South	2310	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.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

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 Cathy Wright Printed Name Sr. Eng Tech Title and E-mail Address 2/16/06 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

 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