

27852

DHC 8/3/00



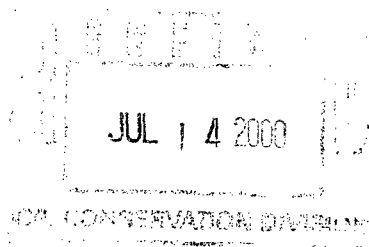
Arch Petroleum Inc.

2791

CERTIFIED MAIL RETURN RECEIPT REQUESTED

July 11, 2000

New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Mr. David R. Catanach



Re: Fowler Prospect
Lea County, New Mexico
**Application for Administrative Approval
For Downhole Commingling**
Learcy McBuffington 13Y Well
S/2 Section 13, T-25-S, R-37-E,
Arch Lease 728.001

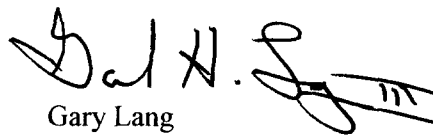
Gentlemen:

Arch Petroleum Inc., respectfully submits herewith its application for Administrative Approval for Downhole Commingling of the captioned well. Enclosed please find a Form C-107-A with appropriate attachments for such well.

If you have any questions, please give Mr. Mark Kelly or myself a call.

Sincerely,

ARCH PETROLEUM INC.


Gary Lang
Consulting Landman

Enclosures

cc: New Mexico Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240
Attn: District Supervisor
(w/copy of enclosure)

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Pogo Producing Company Address P.O. Box 10340 Midland, TX 79702-7340
Lease Learcy McBuffington 13Y Well No. 0 13 25S 37E Unit Ltr. - Sec - Twp - Rge Lea County

OGRID NO. 000962 Property Code 14912 API NO. 30-025-35004 Spacing Unit Lease Types: (check 1 or more) ☒ Federal ☐ State ☐ (and/or) Fee ☒

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Justis Abo Central 96630		Justis Montoya 35150
2. Top and Bottom of Pay Section (Perforations)	6760' - 6780'		6978' - 7000'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 2228 estimated	a.	a. 2200 estimated
	b. (Original) 2573	b.	b. 2655
6. Oil Gravity (°API) or Gas BTU Content	35.2		36
7. Producing or Shut-In?	Producing		Shut In
Production Marginal? (yes or no)			
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 5/29/00 Rates: 14/10/12
	Date: 7/8/00 Rates: 21/40/60	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 60 % Gas: 80 %	Oil: % Gas: %	Oil: 40 % Gas: 20 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☐ Yes ☒ No

11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Mark V Kelley TITLE Sr. Petroleum Engr. DATE

TYPE OR PRINT NAME Mark V. Kelley TELEPHONE NO. (915) 685-8100

Production Estimate and Supporting Data for Form C-107-A
Application for Downhole Commingling Learcy McBuffington #13Y

During initial completion operations the Justis Montoya interval (6978'-7000') was tested as shown below:

DATE	BOPD	BWPD	MCFPD
5/15/00	19	65	27
5/19/00	23	27	35
5/23/00	14	19	20
5/29/00	14	12	10

A cast iron bridge plug was set at 6930 feet and the Justis Abo Central zone (6657'-6780') was tested separately as follows:

6/10/00	31	41	90
6/16/00	20	16	70
6/19/00	18	19	70
7/08/00	21	60	40

The well has been completed in the Justis Abo Central zone with the Montoya zone still below the bridge plug. The fixed percentage allocation based on the latest test is reported in item No. 8.

DISTRICT I
P.O. Box 1980, 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 DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35004	Pool Code 35150	Pool Name JUSTIS-MONTOYA
Property Code 14912	Property Name McBUFFINGTON	Well Number 13Y
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3077

Surface Location

UL or lot No. 0	Section 13	Township 25 S	Range 37 E	Lot Idn	Feet from the 630	North/South line SOUTH	Feet from the 2490	East/West line EAST	County LEA
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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 40	Joint or Infill	Consolidation Code	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 04/12/00 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. 3/11/2000 Date Surveyed DC Signature & Seal of Professional Surveyor Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12841 MACON McDONALD 12185

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35004	² Pool Code 96630	³ Pool Name Justis Abo Central
⁴ Property Code 14912	⁵ Property Name McBuffington	⁶ Well Number 13Y
⁷ OGRID No. 000962	⁸ Operator Name Arch Petroleum Inc.	⁹ Elevation 3077

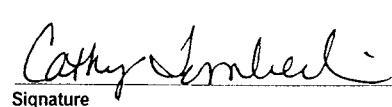
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
0	13	25S	37E		630	South	2490	East	Lea

¹¹Bottom 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 Tomberlin Printed Name Operation Tech Title 06/19/00 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 Surveyer: Certificate Number

630 - - - 2490 - - -

ATTACHMENT
TO Form C-107-A
Application for Downhole Commingling Learcy McBuffington #13Y

Item #10. Arch Petroleum Inc. is the offsetting Operator; therefore, no written notice is required.