

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1625 N. French Blvd.
Albuquerque, NM 87102
SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐			5. LEASE DESIGNATION AND SERIAL NO. LC-030187	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Arch Petroleum Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P. O. Box 10340, Midland, TX 79702-7340 (915)685-8100			8. FARM OR LEASE NAME, WELL NO. C. E. Lamunyon #78	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FNL & 430' FWL At proposed prod. zone Same			9. API WELL NO. 30-025-36188	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Approximately 10 miles south of Eunice New Mexico			10. FIELD AND POOL, OR WILDCAT Lanqlie Mattix 7R's Q. Grba	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest dip, unit line, if any) 430'			11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Section 28, T23S, R37E	
16. NO. OF ACRES IN LEASE 1280			12. COUNTY OR PARISH Lea County	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1650'			19. PROPOSED DEPTH 3700'	
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START When approved	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3309' GR				

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cmt to surface w/ Redi-mix
12-1/4"	8-5/8" J-55	32	1100'	900 sks circ to surface
7-7/8"	5-1/2" J-55	15.5	3700'	1000 sks circ to surface

NMOCD Case No. 13274

Fulfer Exhibit No. **D**

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

- Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cmt to surface w/ Redi-mix.
- Drill 12-1/4" hole to 1100'. Run & set 1100' 8-5/8" 32# J-55 ST&C csg. Cmt w/ 900 sks Cl "C" cmt + 1/4# Flocele/sk + 2% CaCl. Circ cmt to surface.
- Drill 7-7/8" hole to 3700'. Run & set 3700' 5-1/2" 15.5# J-55 ST&C csg. Cmt w/ 1000 sks Cl "C" cmt + additives. Circ cmt to surface.

OPER. OGRID NO. **962**
PROPERTY NO. **14898**
POOL CODE **37240**
EFF. DATE **2-26-03**
API NO. **30-025-**

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED *Cathy Lamb* TITLE Sr. Operation Tech DATE 01/16/03

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /S/ JOE G. LARA TITLE FIELD MANAGER DATE FEB 21 2003

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1900, Hobbs, NM 88241-1900

DISTRICT II
P.O. Boxer Rd., Artesia, NM 88211-0710

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36188	Pool Code 37240	Pool Name LANGLIE MATTIX-7 RIVERS, QUEEN, GRAYBURG
Property Code 14908 14898	Property Name C.F. LAMUNYON	Well Number 78
OGED No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3309

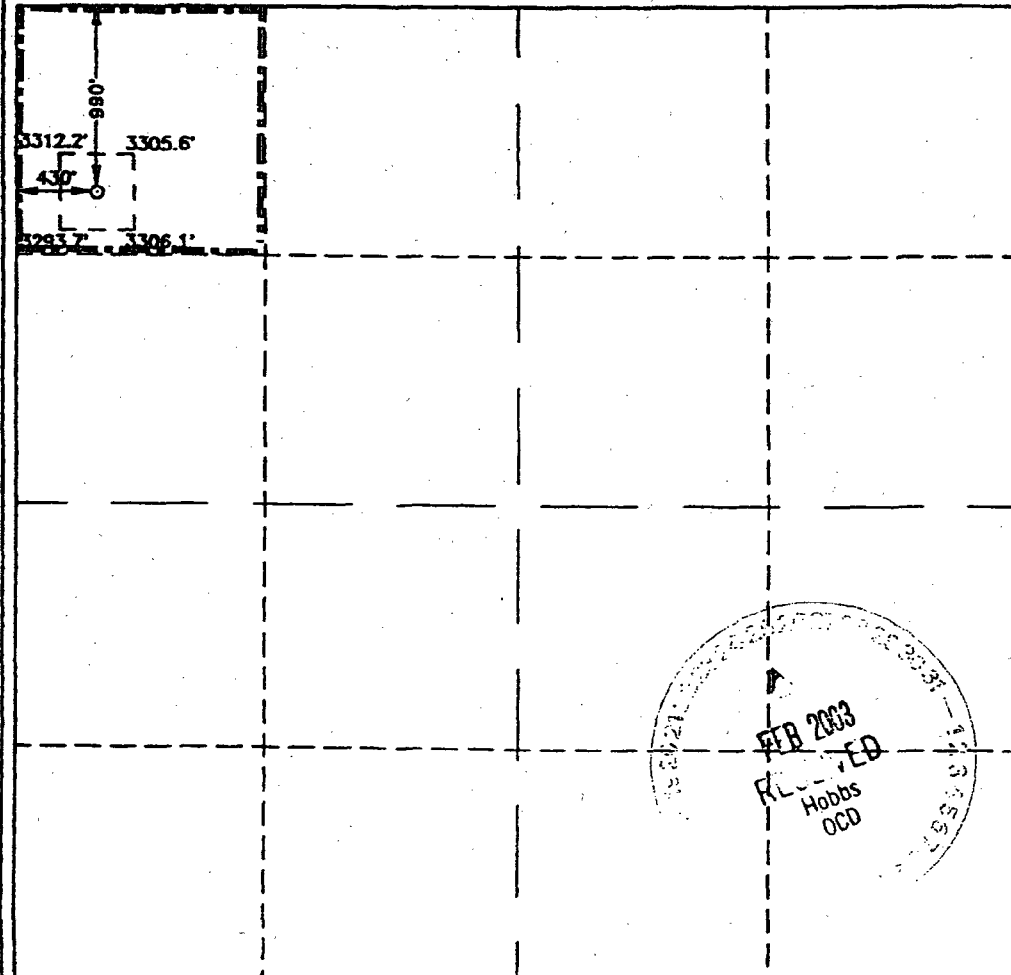
Surface Location

UL or lot No.	Section	Township	Range	Lot Mn	Feet from the	North/South Line	Feet from the	East/West Line	County
D	28	23 S	37 E		990	NORTH	430	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Mn	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. <i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 11/25/00 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. NOVEMBER 15, 2000 Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald G. Eidson</i> W.O. Num. 00-11-1363 Certificate No. RONALD G. EIDSON, 3239 GARY G. EIDSON, 12041
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025-36180

ULSTR:	D	28	T	23S	R	37E
		990	FNL	430	FWL	

Date Logs Received: **5/2/2003** Land: **FED**

[illegible][illegible]

Arch Petroleum Inc

~~Rogo Producing Company~~

P.O. Box 10340

Midland, TX 79702-7340

C E Lamunyon #78

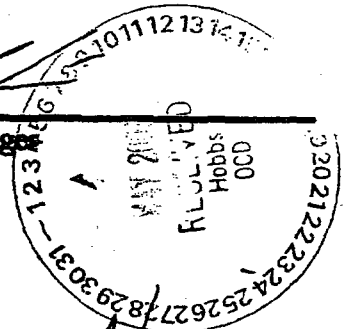
Lea County, New Mexico

D-28-23s-37e
990/N & 430/W
30-025-36188

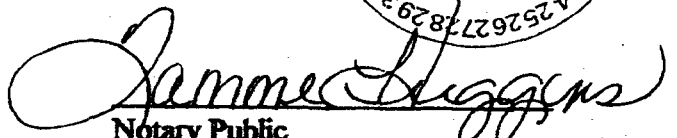
CONFIDENTIAL

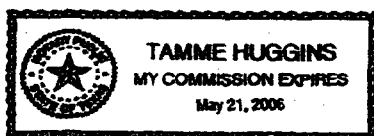
228	2.28	1	1.75	3.99	3.99
472	2.44	1	1.75	4.27	8.26
714	2.42	1	1.75	4.24	12.50
960	2.46	1/4	0.44	1.08	13.57
1432	4.72	1/4	0.44	2.07	15.64
1681	2.49	1/2	0.88	2.18	17.82
1989	3.08	2	3.50	10.78	28.60
2439	4.50	3	5.25	23.63	52.22
2523	0.84	2 3/4	4.81	4.04	56.26
2617	0.94	3	5.25	4.94	61.20
2803	1.86	2	3.50	6.51	67.71
3081	2.78	1	1.75	4.87	72.57
3366	2.85	1 3/4	3.06	8.73	81.30
3670	3.04	2	3.50	10.64	91.94


Michael Roghair - General Manager



The attached instrument was acknowledged before me on the 11th day of April, 2003 by Michael Roghair - General Manager, CapStar Drilling, L.P.


Notary Public



District I
PO Box 1982, Hobbs, NM 88241-1982
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Rancho Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Arch Petroleum Inc. P. O. Box 10340 Midland, TX 79702-7340		OCRID Number 000962
CONFIDENTIAL		Reason for Filing Code NW
API Number 30-0 25-36188	Pool Name Langlie Mattix 7R's Queen Grayburg	Pool Code 37240
Property Code 14968 14898	Property Name C. E. Lamunyon	Well Number 78

II. 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
D	28	23S	37E		990	North	430	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Log Code F	¹³ Pumping Method Code Pumping	¹⁴ Gas Connection Date 04/21/03	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OCRID	¹⁹ Transporter Name and Address	²⁰ FOD	²¹ O/G	²² FOD ULSTR Location and Description
007440	EOTT Operating L.P. P. O. Box 1188 Houston, TX 77252	709610	0	C. E. Lamunyon #1 Battery
020809	Sid Richardson 201 Main Street Ft. Worth, TX 76102	709630	6	C. E. Lamunyon #1 Battery

IV. Produced Water

²³ FOD	²⁴ FOD ULSTR Location and Description
709650	

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ FBTD	²⁹ Perforations
04/03/03	04/21/03	3670	3629	3145-55 3447-62
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	
12-1/4	8-5/8	1110	650 sks	
7-7/8	5-1/2	3670	650 sks	
	2-3/8	3488		

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
04/21/03	04/21/03	04/26/03	24 hrs	---	---
⁴⁰ Casing Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method
---	28	38	171		Pump

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief."

Signature:

Printed name:

Title:

Date:

Cathy Tomberlin

Sr. Operation Tech

05/01/03

Phone: 915-685-8100

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

PETROLEUM ENGINEER

MAY 21 2003

"If this is a change of operator fill in the OCRIID number and name of the previous operator"

Previous Operator Signature

Printed Name

Title

Date