

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N M. Oil ( )  
P 1980  
Hob NM 88241

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of well

☒ Oil ☐ Gas ☐ Other

2. Name of Operator

ARCH PETROLEUM, INC.

3. Address and Telephone No.

10 Desta Dr. Suite 420E, Midland, TX 79705 (915) 685-1961

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit F, 1420' FNL, 1340' FWL, Sec. 27, T23S, R37E(new hole)

~~Unit F, 1400' FNL, 1340' FWL, Sec. 27, T23S, R37E(old hole)~~

5. Lease Designation and Serial No.

NMLC - 030187

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

C. E. Lamunyon #63Y

9. API Well No.

30-025-

10. Field and Pool, or Exploratory Area

TEAGUE BLINEBRY

11. County or Parish, State

LEA COUNTY, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

12 TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Skid rig & spud new hole	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimate date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MRU Clint Hurt Drilling rig #8. Spud 11" hole @ 7:00 PM CDST 7/21/97.

TD 11" hole at 1005'. Ran 20 joints 8-5/8", 20#, X-42 CSQ. Stuck casing at 891'. Pulled 100,000# and parted casing. Recovered 11 jts. Attempted to fish casing. Worked fish up hole 129' and stuck again. Left 9 jts casing in hole from 394'-762'

Do to high cost of recovering stuck pipe. The following plan is submitted for your approval:

1. Plug and abandon existing hole per BLM instructions.  
Set cement plug from 705'-1005'  
Set cement plug from surface to 444'(50' into stuck casing)  
Cement will be Class "C" neat

2. Skid drilling rig 20' South of original hole. Re spud well. New location will be:  
1420' from North line & 1340' from West line.  
Section 27, T23S, R37E(unit F)  
See survey plat attached

Verbal approval given on 7/25/97

OPER. ORIGIN NO. 962  
PROPERTY NO. 14898  
POOL CODE 58300  
EFF. DATE 10/6/97  
API NO. 30-025-34153

14. I hereby certify that the foregoing is true and correct

Signed

Armando A. Lopez

Title

Geologist

Date

7/23/97

(This space for Federal or State office use)

Approved by

(ORIG. SGD.) ARMANDO A. LOPEZ

Title

PETROLEUM ENGINEER

Date

8/5/97

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Dept.

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 30-025-34153	Pool Code 58300	Pool Name TEAGUE PADDOCK-BLINEBRY
Property Code 014898	Property Name C.E. LAMUNYON	Well Number 63Y
OGRID No. 000962	Operator Name ARCH PETROLEUM INC.	Elevation 3290

Surface Location

UL or lot No. F	Section 27	Township 23 S	Range 37 E	Lot Idn	Feet from the 1420	North/South line NORTH	Feet from the 1340	East/West line WEST	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 20	Joint or Infill 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

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Bobbie Brooks</i> Signature</p> <p>BOBBIE BROOKS Printed Name</p> <p>PRODUCTION ANALYST Title</p> <p>4-4-97 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>MARCH 13, 1997 Date Surveyed</p> <p>DMCC</p> <p><i>Ronald J. Eidson</i> Professional Surveyor</p> <p>NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 007-11-0474</p> <p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>

## DRILLING PROGRAM

C. E. LAMUNYON #62, 63, 64 & 65  
Arch Petroleum Inc.  
Sections 21, 27, and 28, T23S, R37E  
Lea Co., New Mexico

1. Geologic Name of Surface Formation: Quaternary

2. Estimated Tops of Geologic Markers:

Rustler 1,030'	7 Rivers 2,780'	Paddock 4,950'
Top Salt 1,130'	Penrose 3,375'	T/Blaine 5,290'
Base Salt 2,365'	Grayburg 3,555'	B/Blaine 5,850'
Yates 2,535'	San Andres 3,800'	Tubb 5,950'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Fresh Water 300'-500'  
Penrose 3,375'-3,550'  
Paddock 4,950'-5,290'  
Blaine 5,290'-5,950'

4. Casing Program:

<u>Casing</u>	<u>Hole Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	8 5/8"	24#	K-55	1,075'
Production	5 1/2"	15.5#	J-55	6,000'

Cement Program:

- (a) Surface casing will be 8-5/8" set at 1075' and cemented with 400 sacks of Class 'C' lead cement and 200 sacks of Class 'C' tail cement.
- (b) Production casing will be 5-1/2" set at approximately 6,000' and cemented in one stage with approximately 1150 sacks of Class 'C' lead cement and 500 sacks of tail cement. Exact volumes to circulate to surface to be determined by caliper log.

5. Pressure Control Equipment:

The minimum specifications for pressure control equipment can be seen on the attached Exhibit 1 for a blowout preventer hook-up for 3,000 psi working pressure.

6. Proposed Mud System:

0-1075' fresh water spud mud

1075'-5000' saturated salt water

5000'-6000' salt water polymer with the following properties: Viscosity 30 sec., water loss 10 cc or less, weight 10 ppg with 5% KCl. Heavier weight mud will be used if required by well condition. 10 ppg brine is only used to minimize salt washout and formation damage and not for well control. No significant well control problems are anticipated.

7. Logging, Testing, and Coring Program:

(a) Formation testing may be done at any depth where samples, drilling rate, or log information indicates a possible show of oil or gas.

(b) Open hole logs will be run at total depth

(c) Plans are to possibly core one of these wells in the Blinbry.

8. Abnormal Conditions, Pressures, Temperatures, and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated Bottom Hole Temperature (BHT) at TD is 115°F and estimated maximum Bottom Hole Pressure (BHP) is 3000 psig. Hydrogen sulfide is not considered to be a significant safety hazard since well control should not be a problem. In anticipation of encountering H<sub>2</sub>S gas, Exhibit 2 is the Plan of Operation for H<sub>2</sub>S Drilling. No major loss circulation zones have been reported in offsetting wells.

9. Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been received from the BLM. Anticipated spud date should be May 1, 1997. Once commenced, the drilling operation should be finished in approximately 15 days per well. The time required to complete and test the well will be about 30 days per well.

10. Other Facets of the Proposed Operation:      None.