

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-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Arch Petroleum Inc. 10 Desta Drive, Suite 420E Midland, Texas 79705		² OGRID Number 000962
		³ Reason for Filing Code New Well
⁴ API Number 30 - 0 025-34153	⁵ Pool Name Teague ^{Paddock} Blinebry	⁶ Pool Code 58300
⁷ Property Code 14898	⁸ Property Name C. E. Lamunyon	⁹ Well Number 63Y

II. ¹⁰ Surface Location

UI or lot no. F	Section 27	Township 23S	Range 37E	Lot Idn	Feet from the 1420	North/South Line North	Feet from the 1340	East/West line West	County Lea
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lsa Code NMLE 030187	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 08/28/97	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
007440	EOTT Energy Pipeline LTD. Partnership P. O. Box 1660 Midland, Texas 79702	709610	O	Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1
020809	Sid Richardson 201 Main Street Ft. Worth, Texas 76102	709630	G	Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1

IV. Produced Water

²³ POD 709650	²⁴ POD ULSTR Location and Description Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1
-----------------------------	---

V. Well Completion Data

²⁵ Spud Date 07/26/97	²⁶ Ready Date 08/24/97	²⁷ TD 5940	²⁸ PBTD 5914	²⁹ Perforations 5395-5815	³⁰ DHC, DC, MC
³¹ Hole Size 12-1/4	³² Casing & Tubing Size 8-5/8	³³ Depth Set 1006	³⁴ Sacks Cement 800 sx Class C		
7-7/8	5-1/2	5940	1230 sx Class "C"		

VI. Well Test Data

³⁵ Date New Oil 08/28/97	³⁶ Gas Delivery Date 08/28/97	³⁷ Test Date 09/18/97	³⁸ Test Length 24 hours	³⁹ Tbg. Pressure 280	⁴⁰ Csg. Pressure 500
⁴¹ Choke Size 26/64"	⁴² Oil 56	⁴³ Water 10	⁴⁴ Gas 120	⁴⁵ AOF	⁴⁶ Test Method

⁴⁷ 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.		OIL CONSERVATION DIVISION	
Signature: <i>Robin S. McCarley</i>	Approved by: <i>Chris Williams</i>		
Printed name: Robin S. McCarley	Title: DISTRICT 1 SUPERVISOR		
Title: Technical Assistant	Approval Date: MAR 18 1998		
Date: 10/10/97	Phone: (915) 685-1962		

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NMLC-030187

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

C. E. Lamunyon #63Y

9. API WELL NO.

30-025-34153

10. FIELD AND POOL, OR WILDCAT

Teague Blinebry

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 27, T23S, R37E

12. COUNTY OR PARISH

Lea

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL
WELL ☒GAS
WELL ☐DRY ☐

P Other 1980

b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Hobbs, NM 88241

2. NAME OF OPERATOR

Arch Petroleum Inc.

3. ADDRESS AND TELEPHONE NO.

10 Desta Drive, Suite 420E Midland, Texas 79705 (915) 685-1961

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1421' FNL and 1341' FWL (Unit F)

At top prod. interval reported below

1420

1340

At total depth

14. PERMIT NO.

DATE ISSUED

07/25/97

15. DATE SPUDDED

07/26/97

16. DATE T.D. REACHED

08/11/97

17. DATE COMPL. (Ready to prod.)

08/24/97

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*

3290'GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5940'

21. PLUG, BACK T.D., MD & TVD

5914'

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

R

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

5395 - 5815', Teague Blinebry

25. WAS DIRECTIONAL

SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CPD/CNL, DDL/ML, CSL

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8", J-55	23#	1006'	12-1/4"	Surface. 800 sx Class "C"	
5-1/2", L.S.	17#	5940'	7-7/8"	Surface. 1230 sx Class "C"	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	5391'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5394', 5420', 5435', 5455', 5478', 5499', 5554', 5594', 5614',
5639', 5649',
5661', 5690', 5705', 5724', 5735', 5750', 5766', 5790', 5815'.

3/8" guns; 21 selections. Total 84 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5395-5815	2463 gallons 15% HCL acid
5395-5815	65,000 gallons 40# gel w/70-50% CO2 and 213,400# 16/30 mesh Jordan Sand

33. *

PRODUCTION

DATE FIRST PRODUCTION 08/28/97		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 09/18/97	HOURS TESTED 24	CHOKE SIZE 26/64	PROD'N FOR TEST PERIOD →	OIL—BBL. 56	GAS—MCF. 120	WATER—BBL. 10	GAS-OIL RATIO 2143
FLOW. TUBING PRESS. 280	CASING PRESSURE 500	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.) 37.4	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

C-102, C-104, Inclination Report, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Robin A. McCauley

TITLE Technical Assistant

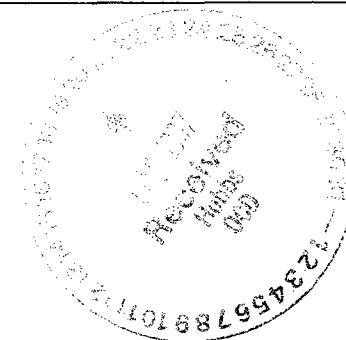
DATE 10/10/97

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
T. Anhy	Surface	1036	Sand, shale
T. Salt	1036	1144	Anhydrite
B. Yates	1144	2350	Salt
T. Yates	2350	2522	Anhydrite, shale
T. 7 Rivers	2522	2775	Sand, shale, Anhydrite
T. Queen	2775	3318	Anhydrite, shale
T. San Andres	3318	3786	Sand, Anhydrite, Dolomite
T. Paddock	3786	4911	Dolomite, Anhydrite
T. Blinebry	4911	5286	Dolomite & Lime
T. Blinebry	5286	TD	Dolomite, Anhydrite



RECEIVED
1991 OCT 14 A 4:46
BUREAU OF LAND MGMT.
ROSWELL OFFICE

38. GEOLOGICAL MARKERS			38. GEOLOGICAL MARKERS		
NAME	TOP		NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH

STATE OF NEW MEXICO
OIL AND GAS DIVISION

INCLINATION REPORT

RECEIVED

1997 OCT 14 A 4:46

FIELD NAME
Atoka;Glorieta-Yeso

LEASE NAME
C.E. LAMUNYON

WELL NUMBER
63Y

BUREAU OF LAND MGMT.
ROSWELL OFFICE

OPERATOR
ARCH PETROLEUM, INC.

ADDRESS
10 DESTA DRIVE, STE. 420E MIDLAND, TX 79701

LOCATION
1400' FNL & 1340' FWL SEC. 27 T23S, R37E

COUNTY
LEA

Unit F
30-025-34153

1420

RECORD OF INCLINATION

MEASURED DEPTH FEET	COURSE LENGTH HUNDREDS OF FEET	ANGLE OF INCLINATION DEGREE	DISPLACEMENT PER HUNDRED FEET	COURSE DISPLACEMENT FEET	ACCUMULATIVE DISPLACEMENT
529	529	1/2	0.87	4.62	4.62
1010	481	1/2	0.87	4.2	8.81
1521	511	3/4	1.31	6.69	15.5
1984	463	1 1/4	2.18	10.1	25.6
2453	469	2	3.49	16.37	41.97
2513	60	1 3/4	3.05	1.83	43.8
2607	94	1	1.75	1.64	45.44
2699	92	1 1/4	2.18	2.01	47.45
2772	73	1	1.75	1.27	48.72
2887	115	1	1.75	2.01	50.73
3020	133	1 1/4	2.18	2.9	53.63
3145	125	1	1.75	2.18	55.81
3335	190	3/4	1.31	2.49	58.3
3553	218	1	1.75	3.8	62.11
3762	209	1 1/4	2.18	4.56	66.67
3982	220	1	1.75	3.84	70.51
4200	218	3/4	1.31	2.85	73.36
4698	498	1 1/2	2.62	13.04	86.39
5205	507	1	1.75	8.85	95.24
5712	507	1/2	0.87	4.42	99.67
5940	228	1	1.75	3.98	103.65

This information is true and correct to the best of my knowledge.

SIGNATURE OF AUTHORIZED REPRESENTATIVE
Jerry Shrum
NAME OF PERSON AND TITLE
JERRY SHRUM, DRILLING SUPERINTENDENT

NAME OF COMPANY
CLINT HURT DRILLING
TELEPHONE NUMBER
915-570-4771

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cont. Division
P.O. Box 1980
Hobbs, 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 #630

9. API Well No.

30-025-34153

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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Skid rig & spud new hole

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)

MIRU 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 CSG. 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 OPEN GRID NO. 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

RECEIVED
1997 JUL 29 RECEIVED
BUREAU OF LAND MANAGEMENT
ROSWELL, OFFICE
BUREAU OF LAND MANAGEMENT
HOBBS, NEW MEXICO
GRID 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
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date 8/5/97

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0710

DISTRICT III
1000 Rio Brazos Rd., Artec, 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- 33960 34153	Pool Code 58300	Pool Name TEAGUE PADDOCK-BLINEBRY
Property Code 014898	Property Name C.E. LAMUNYON	Well Number 63
OGRID No. 000962	Operator Name ARCH PETROLEUM INC.	Elevation 3290

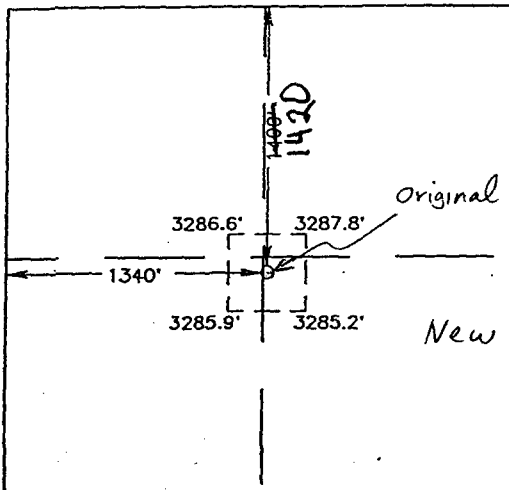
Surface Location

UL or lot No. F	Section 27	Township 23 S	Range 37 E	Lot Idn	Feet from the 1400 1420	North/South line NORTH	Feet from the 1340	East/West line WEST	County LEA
--------------------	---------------	------------------	---------------	---------	--	---------------------------	-----------------------	------------------------	---------------

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>original hole #63</p> <p>New location: well #63Y 1420' FNL + 1340' FWL 20' South of #63</p>	<h3>OPERATOR CERTIFICATION</h3> <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> <h3>SURVEYOR CERTIFICATION</h3> <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</p> <p>Date Surveyed</p> <p>Signature & Seal Professional Surveyor</p> <p>RONALD W. LEIDSON NEW MEXICO 097-11-0474 03-18-97</p> <p>Certificate No. JOHN W. WEST 676 RONALD W. LEIDSON 3239 GARY LEIDSON 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/Blinbry 5,290'
Base Salt 2,365'	Grayburg 3,555'	B/Blinbry 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'
Blinbry 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 H₂S gas, Exhibit 2 is the Plan of Operation for H₂S 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Corp.
P.O. Box 1980
Hobbs, 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)

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- 34153

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 Spud rig & spud new hole <i>Spud & Surface Casing</i>	<input type="checkbox"/> Dispose Water

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.)

1. Plug and abandon C.E. Lamunyon #63 per BLM instructions.

7/24/97 Set cement plug from 705'-1005' w/150 sx CI"C"

Set cement plug from 75' to 450'(50' into stuck casing)w/450 sx CI"C".

WOC 5 hrs. Tagged top of cmt @ 75'. Set plug f/surface to 75' w/100 sx CL"C".

Left 9 jts 8-5/8" casing cemented in hole f/394'-762'

2. Skid drilling rig 20' South of C.E. Lamunyon #63.

New well location: 1420' from North line & 1340' from West line.

Section 27, T23S, R37E(unit F)

Spud C.E. Lamunyon #63Y @ 3:30 AM CDST 7/26/97.

3. Reached 1010' TD of 12-1/4" hole. Ran 23 jts 8-5/8" 23# J55 ST&C New casing.

Set casing @ 1006'. Cemented with: 100 sx CI"H" w/10% CaSO4 & 1% CaCl2; 600 sx CI"C" w/2% CaCl2, 4% gel, & 1/4# celloflake/sx; 200 sx CI"C" w/2% CaCl2.

Bumped plug @ 3:15 PM 7/27/97. Circulated 200 sx cmt to surface.

RECEIVED
1997 JUL 29 P 12:10
BUREAU OF LAND MGMT
HOBBS, NEW MEXICO

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

Signed

Glen Curry

Title

Geologist

Date

7/28/97

(This space for Federal or State office use)

Approved by

ACCEPTED FOR RECORD
DAVID R. GLASS

Title

Date

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.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

H. M. 91 1993. 00000000
P. O. BOX 1800
HOBBS, NEW MEXICO 88240

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)

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.

30-025-33960-34153

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 Completion	<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.)*

Work Performed 8/18-8/24/97

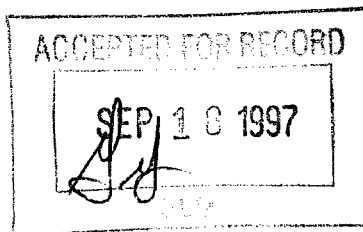
Cleaned location. Set anchors.

Ru Computalog to log & perforate.

Perf 5-1/2" csg using 3/8" guns @ 5394', 5420', 5435', 5455', 5478', 5499', 5554', 5594', 5614', 5639', 5649', 5661', 5690', 5705', 5724', 5735', 5750', 5766', 5790', 5815'. 4 JHPF. Total 84 holes.

Break down perfs w/2463 gallons 15% HCL acid. Frac Blinebry perfs with 65,000 gallons 40# gel w/70-50% CO2 and 213,000# 16/30 mesh Jordan sand. Frac at 40 BPM, Max pressure of 2480 psi. Flow well back.

Began production 08/28/97.



RECEIVED
1997 SEP -3 A 10:14
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

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

Signed *Aden S. M. Cooley*

Title

Technical Assistant

Date

9/2/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104
Revised February 10, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

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

Instruction on back
Submit to Appropriate District Office
5 Copies

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address ARCH PETROLEUM INC. 10 DESTA DRIVE, STE. 420E, MIDLAND TX 79705		² OGRID Number 000962
		³ Reason for Filing Code RT -2,000 bbls. <i>Aug 1997</i>
⁴ API Number 30 - 025-30900 <i>34153</i>	⁵ Pool Name TEAGUE BLINEBRY	⁶ Pool Code 58300
⁷ Property Code 014898	⁸ Property Name C. E. LAMUNYON	⁹ Well Number 63Y

II. ¹⁰ Surface Location

Ul or Lot. No. F	Section 27	Township 23S	Range 37E	Lot Idn.	Feet from the 1420'	North/South Line NORTH	Feet from the 1340'	East/West Line WEST	County 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
F									
¹² Lse Code F	¹³ Producing Code	Method	¹⁴ Gas Date	Connection	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
007440	EOTT ENERGY PIPELINE LTD. PARTNERSHIP, P. O. BOX 1660 MIDLAND, TX 79702	<i>70961D</i>	O	Unit A, Sec 28, T23S, R37E C.E. Lamunyon Battery No. 1
020809	SID RICHARDSON CARBON 201 MAIN ST., FORT WORTH, TX 76102	<i>70963D</i>	G	Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1

IV. Produced Water

²³ POD <i>70965D</i>	²⁴ POD ULSTR Location and Description Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1
------------------------------------	--

V. Well Completion Data

		²⁷ TD	²⁸ PBSD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ 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: *Robin S. McCarley*

Printed Name:
Robin S. McCarley

Title:
Technical Assistant

Date:
9/16/97

Phone:
(915) 685-1961

OIL CONSERVATION DIVISION

Approved by: *Chris Williams*

Title:
DISTRICT 1 SUPERVISOR

Approved Date:
OCT 09 1997

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

WRS COMPLETION REPORTCOMPLETIONS SEC 27 TWP 23S RGE 37E
30-T-0035 03/06/98 30-025-34153-0000 PAGE 1

NMEX LEA * 1420FNL 1340FWL SEC
STATE COUNTY FOOTAGE SPOT
ARCH PET D DO
OPERATOR WELL CLASS INIT FIN
63Y LAMUNYON C E
WELL NO. LEASE NAME
3305KB 3290GR TEAGUE
OPER ELEV FIELD/POOL/AREA
API 30-025-34153-0000
LEASE NO. PERMIT OR WELL I.D. NO.
07/26/1997 09/18/1997 ROTARY VERT OIL
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
6500 BLINEBRY HURT CLINT DRLG 8 RIG SUB 14
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 5940 PB 5914 FM/TD BLINEBRY
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

10 MI SW EUNICE, NM

CASING/LINER DATA

CSG 8 5/8 @ 1006 W/ 800 SACKS
CSG 5 1/2 @ 5940 W/ 1230 SACKS

TUBING DATA

TBG 2 3/8 AT 5391

INITIAL POTENTIAL

IPF 56BOPD 120 MCFD 10BW 26/64CK 24HRS
BLINEBRY PERF W/ 84/IT 5394- 5815 GROSS
TP 280 CP 500
GTY 37.4 GOR 2143

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	SALT		1036 2269	1144 2161
LOG	YATES		2350 955	
LOG	SVN RVRS		2522 783	
LOG	QUEEN		2775 530	
LOG	SN ANDRS		3318 -13	
LOG	PADDOCK		3786 -481	
LOG	BLINEBRY		4911 -1606	

SUBSEA MEASUREMENTS FROM KB

CONTINUED IC# 300257046897

COPYRIGHT 1998

**Petroleum Information /
Dwights LLC**P/D-WRS-GET
Form No 187

COMPLETIONS 30-T-0035 03/06/98 SEC 27 TWP 23S RGE 37E
30-025-34153-0000 PAGE 2

ARCH PET
63Y

LAMUNYON C E

D DO

PRODUCTION TEST DATA

PTS 1UO
BLINEBRY PERF W/ 84/IT 5394- 5815 GROSS
PERF 5394, 5420, 5435, 5455, 5478, 5499, 5554, 5594
PERF 5614, 5639, 5649, 5661, 5690, 5705, 5724, 5735
PERF 5750, 5766, 5790, 5815
ACID 5394- 5815 2463GALS
15% HCL

SWBD 77 BF W/TR OIL

PTF 99BOPD 810 MCFD 53BW 26/64CK 24HRS
BLINEBRY PERF 5394- 5815 GROSS
SWFR 5394- 5815 65000GALS 213400LBS SAND

ADDTVGELA

16/30 MESH JORDAN SD

TP 295

PTF 58BOPD 202 MCFD 19BW 6HRS
BLINEBRY PERF 5394- 5815 GROSS

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS	PDC	CNL	DDL
LOGS	ML	SONL	
LOGS 4500- 5914 GR			

DRILLING MEDIA /TYPE,DEPTH/

1580	10.0	PPG
4575	10.0	PPG

DRILLING PROGRESS DETAILS

ARCH PET
10 DESTA DR
STE 420E
MIDLAND, TX 79705
915-685-1961
REPLACEMENT WELL FOR #63 J&A 7/24/97
07/31 LOC/1997/
07/29 DRLG 1580 (MW 10, VIS 29)
08/06 DRLG 4575 (MW 10, VIS 29)
08/13 5940 TD, WOCT

CONTINUED

COMPLETIONS
30-T-0035 03/06/98 SEC 27 TWP 23S RGE 37E
30-025-34153-0000 PAGE 3

ARCH PET
63Y

LAMUNYON C E

D DO

DRILLING PROGRESS DETAILS

08/20 5940 TD, PB 5914, SWBG
10/14 5940 TD, PB 5914, TSTG
02/27 RIG REL 08/13/97
5940 TD, PB 5914
COMP 9/18/97, IPF 56 BOPD, 120 MCFGPD, 10
BOPD, 26/64 CK, GTY 37.4,
GOR 2143, FTP 280, FCP 500
PROD ZONE - BLINEBRY 5394-5815 (GROSS)
NO CORES OR DSTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Co.
P. 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

Release Designation and Serial No.

NMLC - 030187

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

BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

C. E. Lamunyon #63

9. API Well No.

30-025-33960 34153

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 checked="" 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 type="checkbox"/> Other	<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.)

Plug and abandon C.E. Lamunyon #63 per BLM instructions.

7/24/97 Set cement plug from 705'-1005' w/150 sx CL"C"

Set cement plug from 75' to 450'(50' into stuck casing)w/450 sx CL"C".

WOC 5 hrs. Tagged top of cmt @ 75'. Set plug f/surface to 75' w/100 sx CL"C".

Circulated cement to surface. Well plugged & abandoned 7/24/97.

Note: Left 9 jts 8-5/8" casing cemented in hole f/394'-762'

Approved as to plugging of the well bore.
Liability under bond is retained until
surface restoration is completed.

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

Signed Glenn Curry

Title

Geologist

Date

7/28/97

(This space for Federal or State office use)

Approved by DAVID R. GLASS

Title

PETROLEUM ENGINEER

Date

AUG 06 1997

Conditions of approval, if any:

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.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons.
P.O. Box 1980
Hobbs, 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 E, 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 #63

9. API Well No.

30-025- 33460 34153

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

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Skid rig & spud new hole

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ 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.)

MIRU 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 CSG. 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 AAL.

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

Signed

Glenn Curry

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

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.

*See Instructions on Reverse Side

RECEIVED
1997 JUL 29 RECEIVED
BUREAU OF LAND MGMT.
ROSWELL OFFICE
BUREAU OF LAND MGMT.
HOBBS, NEW MEXICO

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

N. M. OIL & GAS COMMISSION
P. O. BOX 1980
HORRIS, NEW MEXICO 88240
(Other instructions on reverse side)

Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

ARCH PETROLEUM INC.

3. ADDRESS AND TELEPHONE NO.

10 DESTA DRIVE, STE. 420E, MIDLAND, TX 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface UNIT F, 1400' FNL, 1340' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 1/4 MILES SOUTH OF EUNICE, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

1340'

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

729'

16. NO. OF ACRES IN LEASE

1520

17. NO. OF ACRES ASSIGNED

TO THIS WELL

20

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, ect.)

3290'

22. APPROX. DATE WORK WILL START*

05/15/97

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55, 8-5/8"	24#	1075' WITNESS	600 sx.Cl. 'C' circ.
7-7/8"	J-55, 5-1/2"	15.5#	6000' WITNESS	1650 sx.Cl. 'C' circ.

Mud Program:

0-1075' FW/Spud Mud 8.8 - 9.0#/gal., 32 visc., 10 pH

1075 - 5000' BW 10 #/gal., 28 visc., 10 pH

500-6000' BW/Starch 10 #/ga., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system.

OPER. OGRID NO. 962

PROPERTY NO. 14898

POOL CODE 58300

EXP. DATE 5/9/97

API NO. 30-025-33960

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

24

SIGNED Bruce Brooks TITLE Production Analyst

DATE 3/21/97

(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:

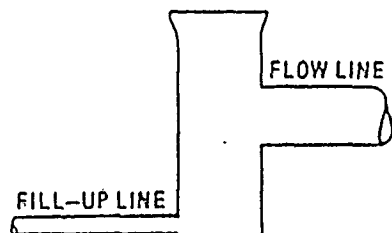
APPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ

TITLE Acting ADM, MINERALS

DATE 4-8-97

*See Instructions On Reverse Side

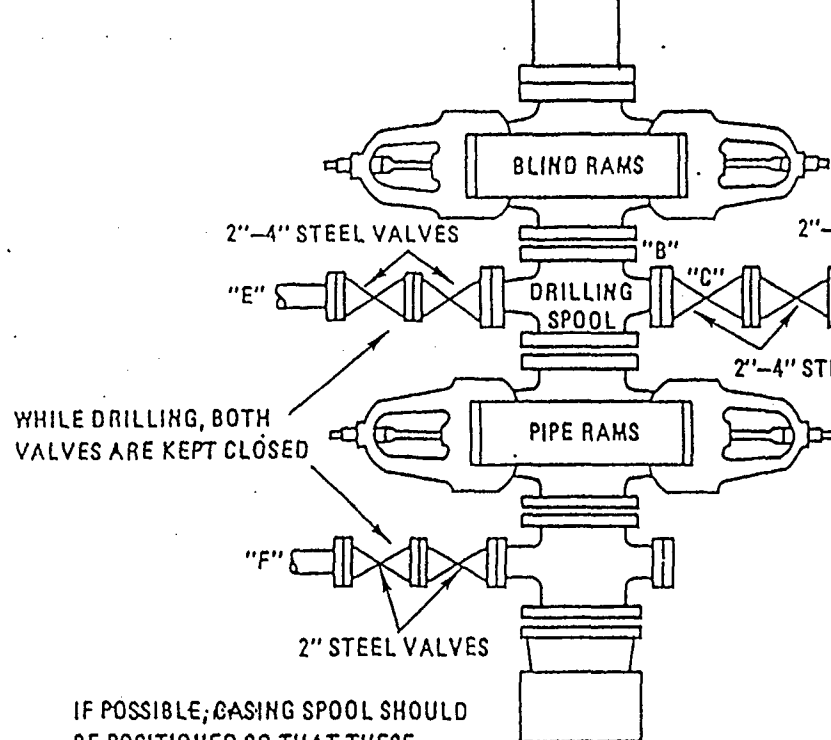
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



BOP SCHEMATIC

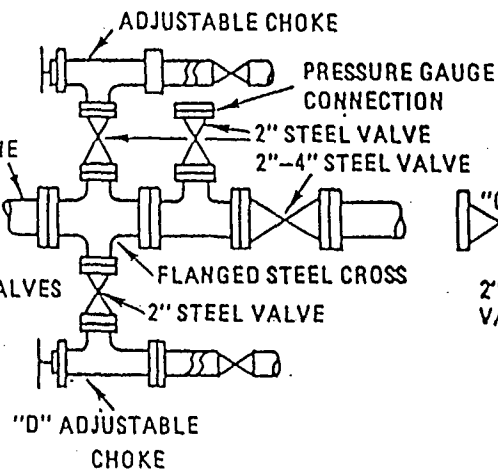
3M (3,000 psi) Working Pressure

• Spacesaver preventers are acceptable

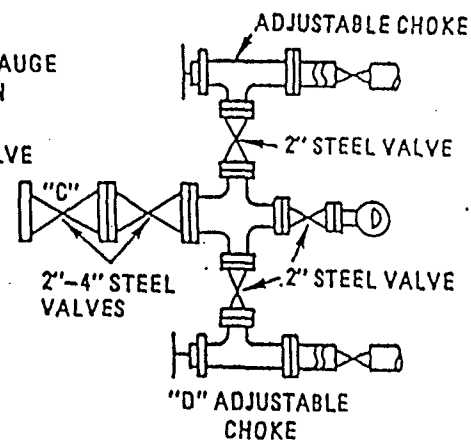


IF POSSIBLE, CASING SPOOL SHOULD BE POSITIONED SO THAT THESE VALVES ARE DIRECTLY UNDER THE BARREL OF THE RAM PREVENTER

CHOKE MANIFOLD



ALTERNATE CHOKE MANIFOLD



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., Aztec, 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- <u>3395D</u>	Pool Code 58300	Pool Name TEAGUE PADDOCK-BLINEBRY
Property Code 014898	Property Name C.E. LAMUNYON	Well Number 63
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 1400	North/South line NORTH	Feet from the 1340	East/West line WEST	County LEA
--------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

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 <u>20 40</u>	Joint or Infill INFILL	Consolidation Code	Order No. <u>NSL-3793</u>
---------------------------------	---------------------------	--------------------	------------------------------

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>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Bobbie Brooks</u> Signature</p> <p>BOBBIE BROOKS Printed Name</p> <p>PRODUCTION ANALYST Title</p> <p><u>4-4-97</u> Date</p> <p>SURVEYOR CERTIFICATION</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</p> <p>Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EIDSON NEW MEXICO 007-11-047 03-18-97</p> <p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>
--	---

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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 88211-0710

DISTRICT III
1000 Rio Brazos Rd., Aztec, 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 30-025-34153	Pool Code 58300	Pool Name TEAGUE PADDOCK-BLINEBRY
Property Code 014898	Property Name C.E. LAMUNYON	Well Number 63
GRID 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 1400	North/South line NORTH	Feet from the 1340	East/West line WEST	County LEA
---------------------------	----------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	----------------------

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

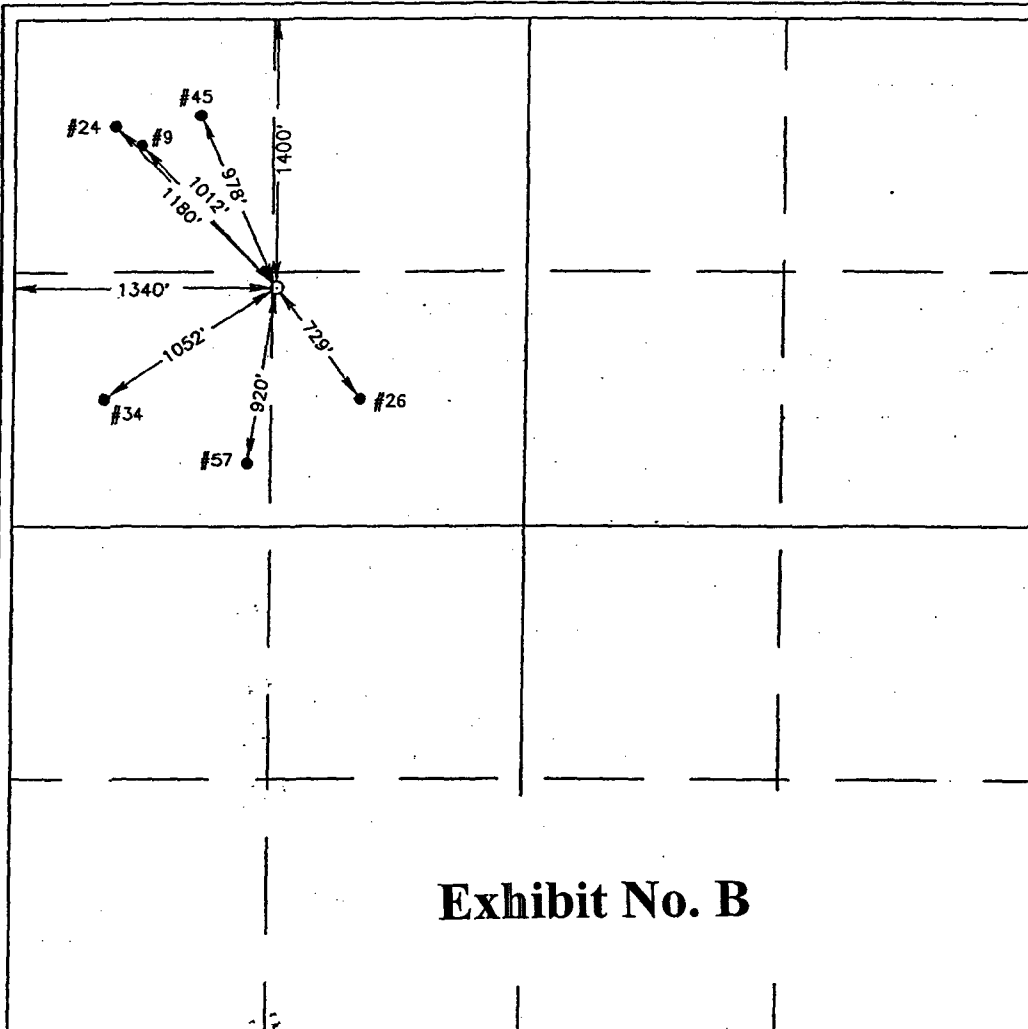


Exhibit No. B

OPERATOR CERTIFICATION

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

Bobbie Brooks
Signature

BOBBIE BROOKS
Printed Name

PRODUCTION ANALYST
Title

3-21-97
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.

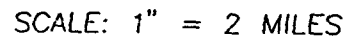
MARCH 13, 1997

Date Surveyed **J. EIDSON** DMCC

Signature of State of
Professional Surveyor

[Signature]
3239
97-11-04

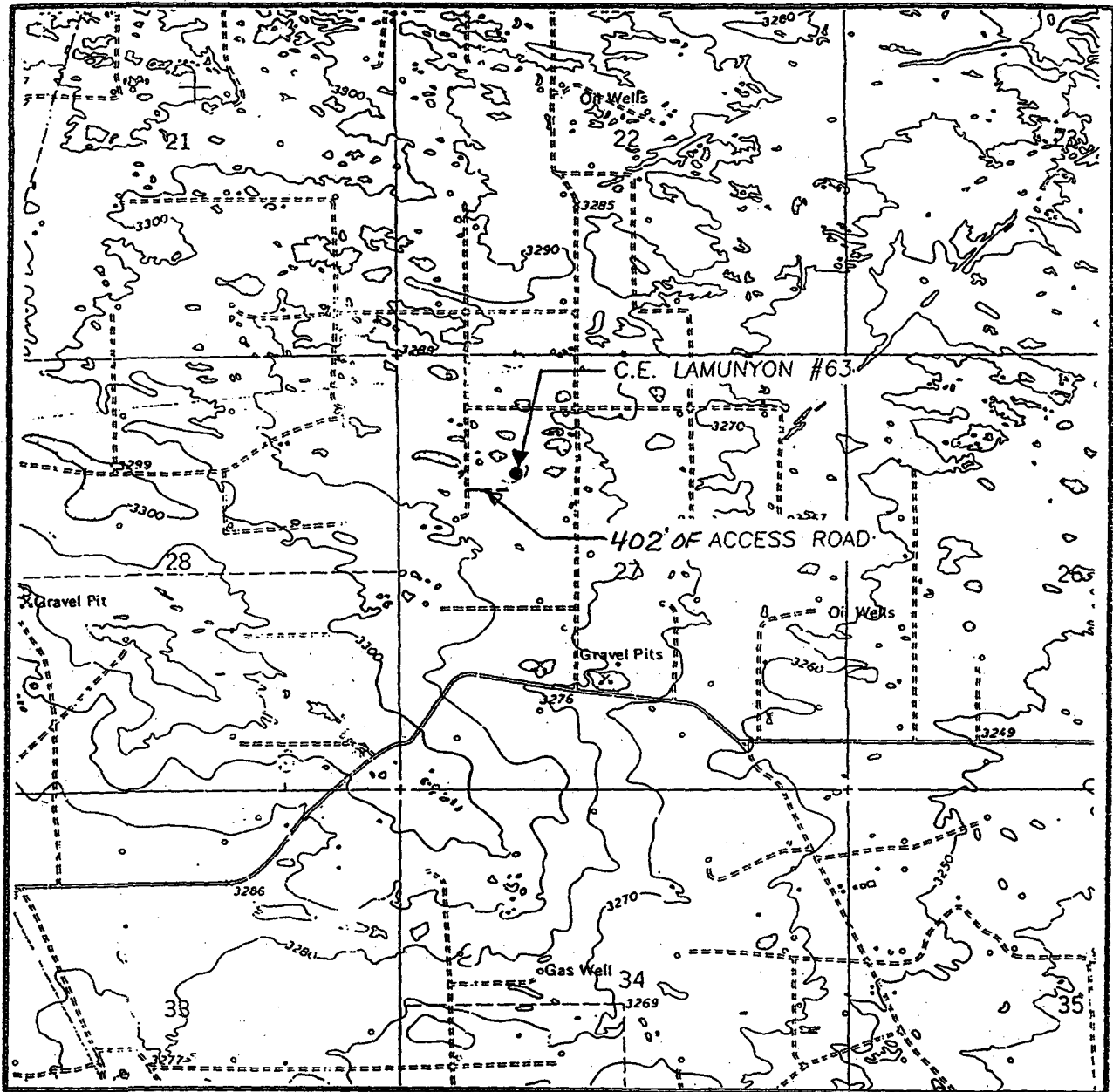
Certified by No. **JOHN W. WEST** 676
JOHN W. WEST 3239
GARY EIDSON 12641



LEASE C.E. LAMUNYON

Exhibit No. C

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
RATTLESNAKE CANYON - 10'

SEC. 27 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1400' FNL & 1340' FWL

ELEVATION 3290

OPERATOR ARCH PETROLEUM INC.

LEASE C.E. LAMUNYON

U.S.G.S. TOPOGRAPHIC MAP

RATTLESNAKE CANYON, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

Exhibit No. D

WRS COMPLETION REPORTCOMPLETIONS
30-T-0023 11/14/97 SEC 27 TWP 23S RGE 37E
30-025-33960-0000 PAGE 1

NMEX LEA * 1400FNL 1340FWL SEC
STATE COUNTY FOOTAGE SPOT
ARCH PET D D
OPERATOR WELL CLASS INIT FIN
63 LAMUNYON C E
WELL NO. LEASE NAME
3290GR TEAGUE
OPER ELEV FIELD/POOL/AREA
API 30-025-33960-0000
LEASE NO. PERMIT OR WELL I.D. NO.
07/19/1997 07/24/1997 ROTARY VERT J&A
SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
6000 BLINEBRY HURT CLINT DRLG 8
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 1005 FM/TD RUSTLER
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

10 MI S EUNICE, NM

CASING/LINER DATA

8 5/8 CSG PARTED WHILE RUNNING, LEFT 9 JTS IN HOLE

PLUGGING RECORD /INTERVAL PLUGGED CEMENT/

705-	1005	150 SACKS	75-	450	450 SACKS
0-	75	100 SACKS			

DRILLING PROGRESS DETAILS

ARCH PET
10 DESTA DR
STE 420E
MIDLAND, TX 79705
915-685-1961
04/03 LOC/1997/
07/21 DRLG 1005
07/31 1005 TD, HOLDING FOR DATA
11/07 RIG REL 07/24/97
1005 TD
COMP 7/24/97, J&A
NO CORES OR DSTS

IC# 300257023297

COPYRIGHT 1997

**Petroleum Information/
Dwights LLC**P/D-WRS-GET
Form No 187