

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

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

II. <sup>10</sup> Surface Location

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

<sup>11</sup> 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
<sup>12</sup> Lsa Code NMLE 030187	<sup>13</sup> Producing Method Code Flowing		<sup>14</sup> Gas Connection Date 08/28/97		<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> 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

<sup>23</sup> POD 709650	<sup>24</sup> POD ULSTR Location and Description Unit A, Sec 28, T23S, R37E C. E. Lamunyon Battery No. 1
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V. Well Completion Data

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

VI. Well Test Data

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

<sup>47</sup> 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		

<sup>48</sup> 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
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**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN DUPLICATE\***

(See other instructions 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 *Paddock*

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 27, T23S, R37E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

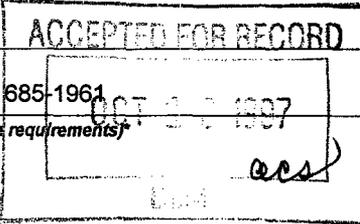
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  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) 685-1964

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 SPUNNED 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				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	5391'	

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

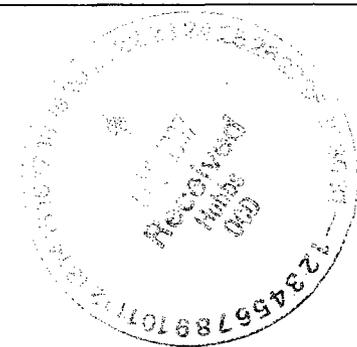
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Robin S. McCauley TITLE Technical Assistant DATE 10/10/97

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

**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.

COUNTY  
LEA

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

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

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

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

RECEIVED  
 1997 JUL 29 RECEIVED  
 BUREAU OF LAND MANAGEMENT  
 ROSWELL, OFFICE  
 BUREAU OF LAND MANAGEMENT  
 HOBBS, NEW MEXICO  
 A 9 15  
 OPER. GRID NO. 962  
 PROPERTY NO. 14898  
 POOL CODE 58300  
 EFF. DATE 10/6/97  
 API NO. 30-025-34153

Verbal approval given on 7/25/97

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

Signed Alleen 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

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- <del>33960</del> <b>34153</b>	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

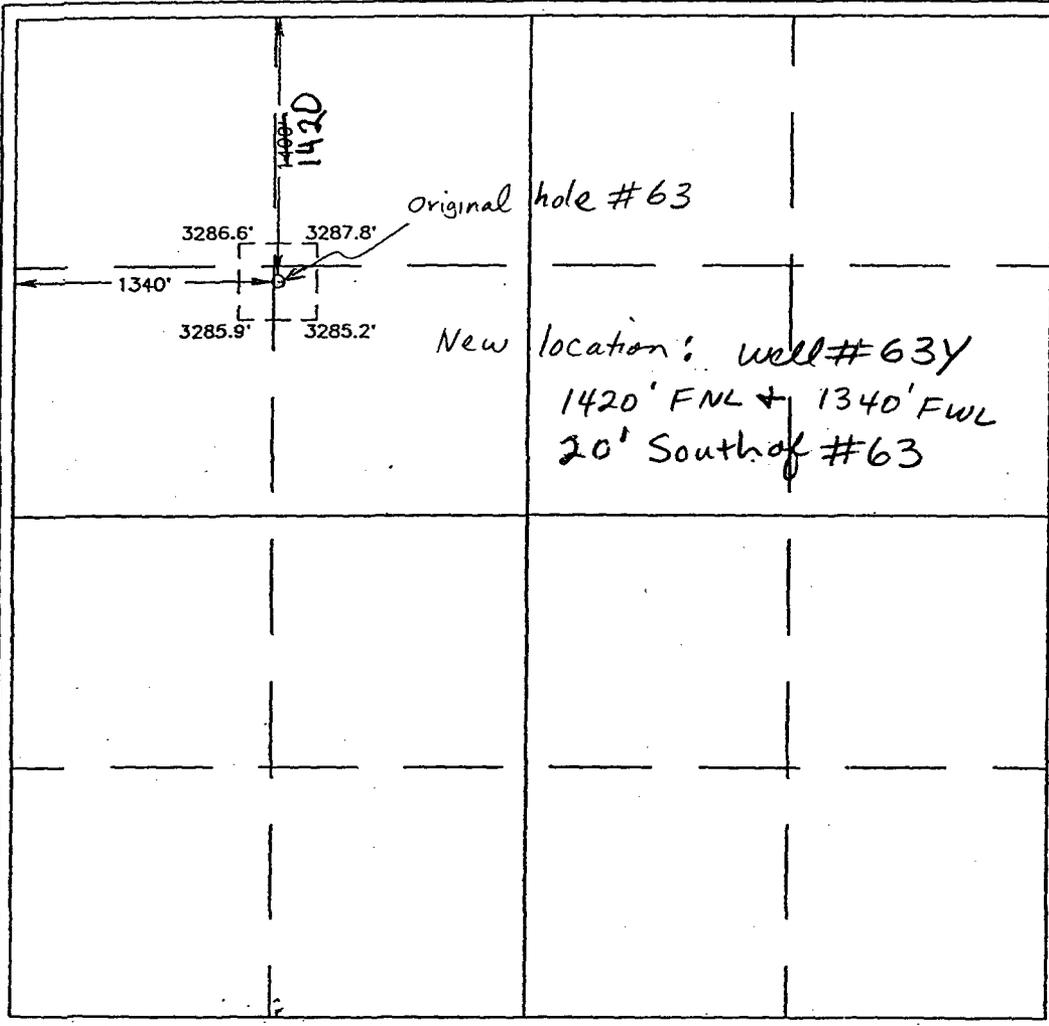
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	23 S	37 E		1400/1420	NORTH	1340	WEST	LEA

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.
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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.

*Bobbie Brooks*  
Signature

**BOBBIE BROOKS**  
Printed Name

**PRODUCTION ANALYST**  
Title

4-4-97  
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

DMCC

*Ronald W. Eidsen*  
Signature & Seal  
Professional Surveyor

NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
03-18-97  
67-11-0474

Certificate No. JOHN W. WEST 676  
RONALD W. EIDSON 3239  
GARRETT EIDSON 12641

## 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/Blinebry 5,290'
Base Salt 2,365'	Grayburg 3,555'	B/Blinebry 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'  
Blinebry 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 Blinebry.

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Co.  
Permit No. 1980  
Hobbs, NM 88241

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

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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)

Permit 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- 34153

10. Field and Pool, or Exploratory Area

TEAGUE BLINEBRY

11. County or Parish, State

LEA COUNTY, NM

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		<input type="checkbox"/> Casing Repair
		<input type="checkbox"/> Altering Casing
		<input checked="" type="checkbox"/> Other <del>Skid rig &amp; spud new hole</del> <i>Spud &amp; Surface Casing</i>
		<input type="checkbox"/> Change of Plans
		<input type="checkbox"/> New Construction
		<input type="checkbox"/> Non-Routine Fracturing
		<input type="checkbox"/> Water Shut-Off
		<input type="checkbox"/> Conversion to Injection
		<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 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".  
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 Cl"H" w/10% CaSO4 & 1% CaCl2; 600 sx Cl"C" w/2% CaCl2, 4% gel, & 1/4# celloflake/sx; 200 sx Cl"C" w/2% CaCl2.  
Bumped plug @ 3:15 PM 7/27/97. Circulated 200 sx cmt to surface.

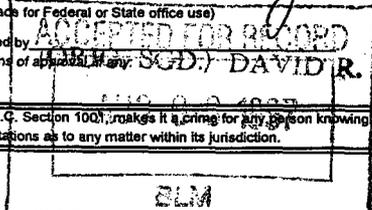
RECEIVED  
 1997 JUL 29 P 12: 10  
 BUREAU OF LAND MGMT  
 HOBBS, NEW MEXICO

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

Signed Glenn Curry Title Geologist Date 7/28/97

(This space for Federal or State office use)

Approved by 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  
 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 <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>NMLC - 030187</b>
2. Name of Operator <b>ARCH PETROLEUM, INC.</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>10 Desta Dr. Suite 420E, Midland, TX 79705 (915) 685-1961</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Unit F, 1420' FNL, 1340' FWL, Sec. 27, T23S, R37E(new hole)</b>	8. Well Name and No. <b>C. E. Lamunyon #63Y</b>
	9. API Well No. <b>30-025-33960-34153</b>
	10. Field and Pool, or Exploratory Area <b>TEAGUE BLINEBRY</b>
	11. County or Parish, State <b>LEA COUNTY, NM</b>

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**

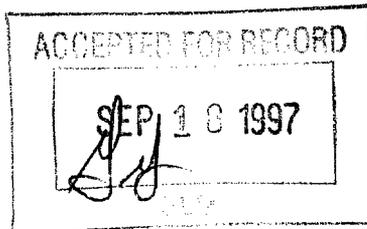
Cleaned location. Set anchors.

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:

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  
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**

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

**II. <sup>10</sup> Surface Location**

Ul or Lot. No.	Section	Township	Range	Lot Idn.	Feet from the	North/South Line	Feet from the	East/West Line	County
F	27	23S	37E		1420'	NORTH	1340'	WEST	LEA

**<sup>11</sup> 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
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
007440	EOTT ENERGY PIPELINE 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**

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

**V. Well Completion Data**

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

**VI. Well Test Data**

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

<sup>46</sup> 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**

<sup>47</sup> 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 REPORT**

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

ARCH PET D DO  
63Y LAMUNYON C E

PRODUCTION TEST DATA

PTS IUO  
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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Co  
P 1980  
Hobbs, NM 88249

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

RECEIVED

SUBMIT IN TRIPLICATE 1997 JUL 29 P 12:10

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)**

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
	<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
		<input type="checkbox"/> Casing Repair
		<input type="checkbox"/> Altering Casing
		<input type="checkbox"/> Other
		<input type="checkbox"/> Change of Plans
		<input type="checkbox"/> New Construction
		<input type="checkbox"/> Non-Routine Fracturing
		<input type="checkbox"/> Water Shut-Off
		<input type="checkbox"/> Conversion to Injection
		<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 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".**  
**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 Glen 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Div. Section  
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- 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
	<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
		<input type="checkbox"/> Casing Repair
		<input type="checkbox"/> Altering Casing
		<input checked="" type="checkbox"/> Other Skid rig & spud new hole
		<input type="checkbox"/> Change of Plans
		<input type="checkbox"/> New Construction
		<input type="checkbox"/> Non-Routine Fracturing
		<input type="checkbox"/> Water Shut-Off
		<input type="checkbox"/> Conversion to Injection
		<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.)

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.

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

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

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.

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

N. M. OIL & GAS COMMISSION  
P. O. BOX 1980  
HORBS, 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' <b>WITNESS</b>	600 sx.Cl. 'C' circ.
7-7/8"	J-55, 5-1/2"	15.5#	6000' <b>WITNESS</b>	1650 sx.Cl. 'C' circ.

*See Master Drilling & Surface Use Plan for wells*

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 62, 63, 64 + 65

PROPERTY NO. 14898

POOL CODE 58300

EXP. DATE 5/9/97

API NO. 30-025-33960

**RECEIVED**

**APR 10**

**BLM  
MIDLAND, NM**

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 Bambi 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:

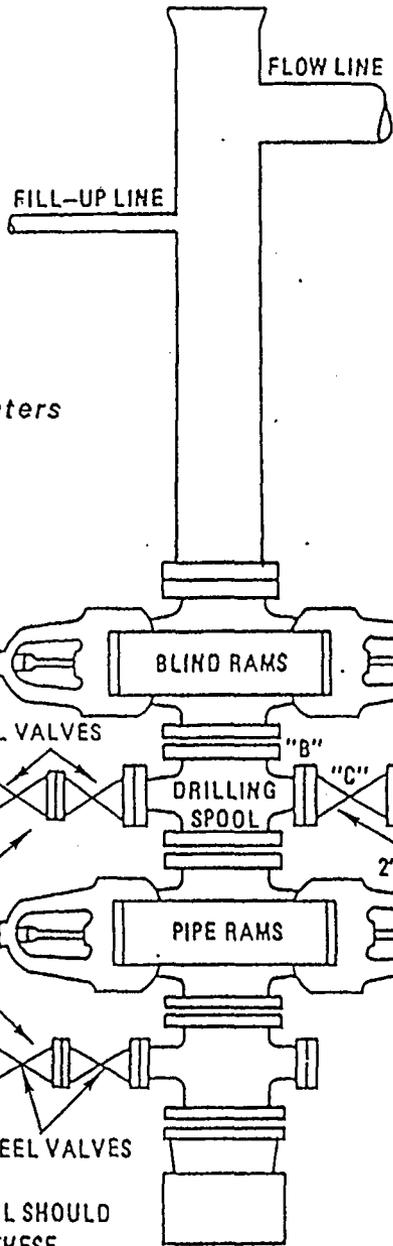
APPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ

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.



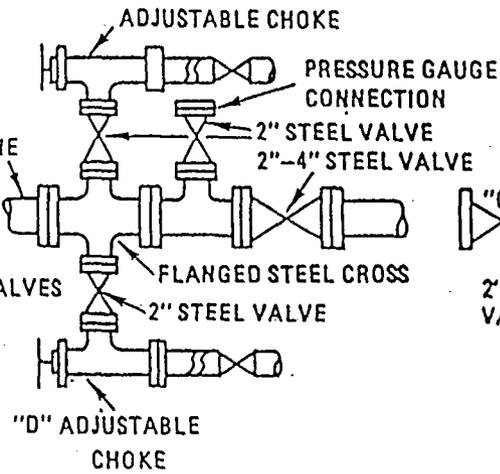
• Spacesaver preventers are acceptable

WHILE DRILLING, BOTH VALVES ARE KEPT CLOSED

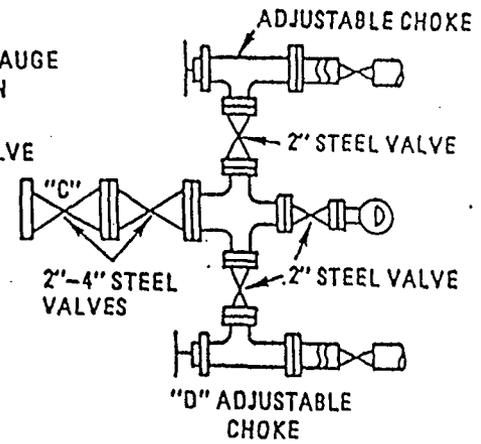
IF POSSIBLE, CASING SPOOL SHOULD BE POSITIONED SO THAT THESE VALVES ARE DIRECTLY UNDER THE BARREL OF THE RAM PREVENTER

**BOP SCHEMATIC**  
3M (3,000 psi) Working Pressure

**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

OIL CONSERVATION DIVISION  
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- <del>3396D</del> <sup>34153</sup>	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

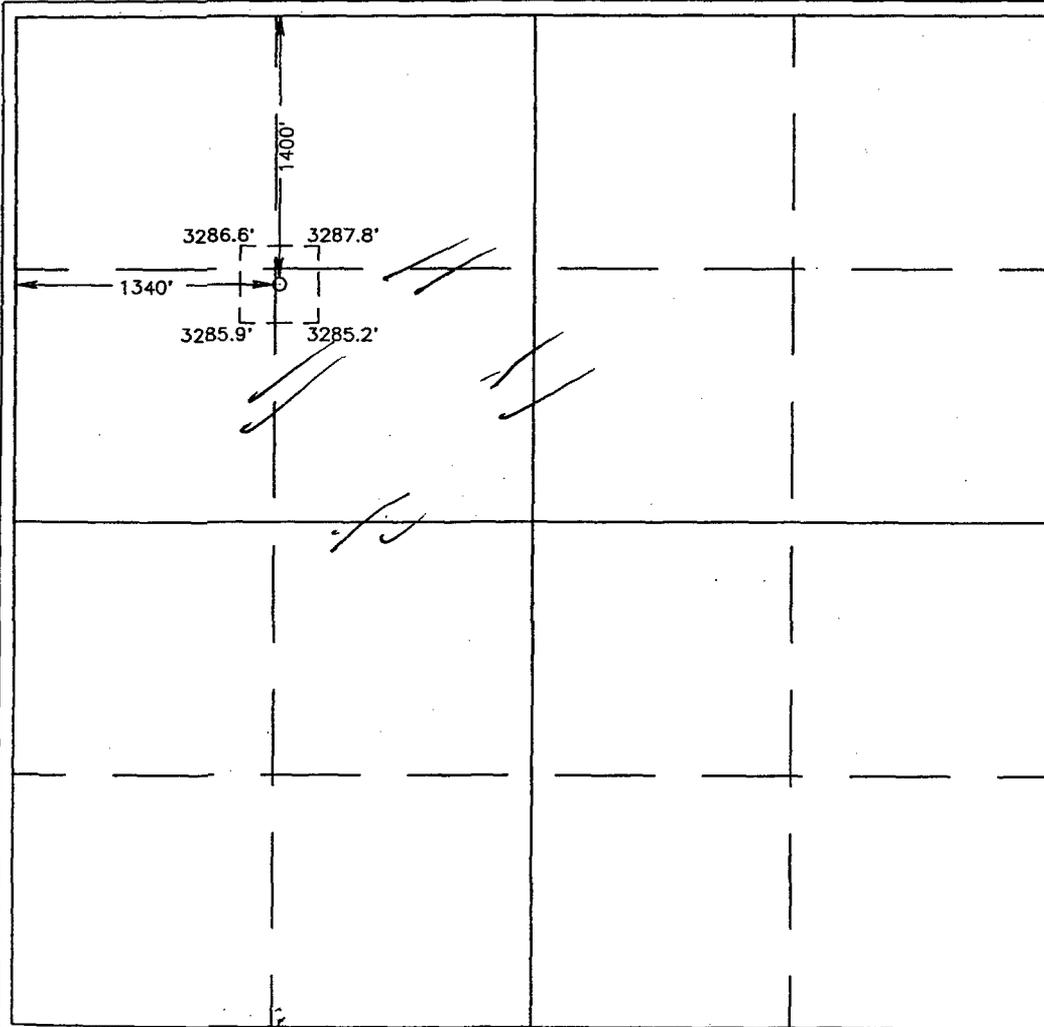
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	23 S	37 E		1400	NORTH	1340	WEST	LEA

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

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.

*Bobbie Brooks*  
Signature

BOBBIE BROOKS  
Printed Name

PRODUCTION ANALYST  
Title

4-4-97  
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

DMCC

Signature: *Ronald J. Eidson*  
Professional Surveyor

RONALD J. EIDSON  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
007-11-047  
03-18-97

Certificate No. JOHN W. WEST 676  
RONALD J. EIDSON 3239  
GARY EIDSON 12641

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.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	23 S	37 E		1400	NORTH	1340	WEST	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	Joint or Infill	Consolidation Code	Order No.
20	Infill		

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

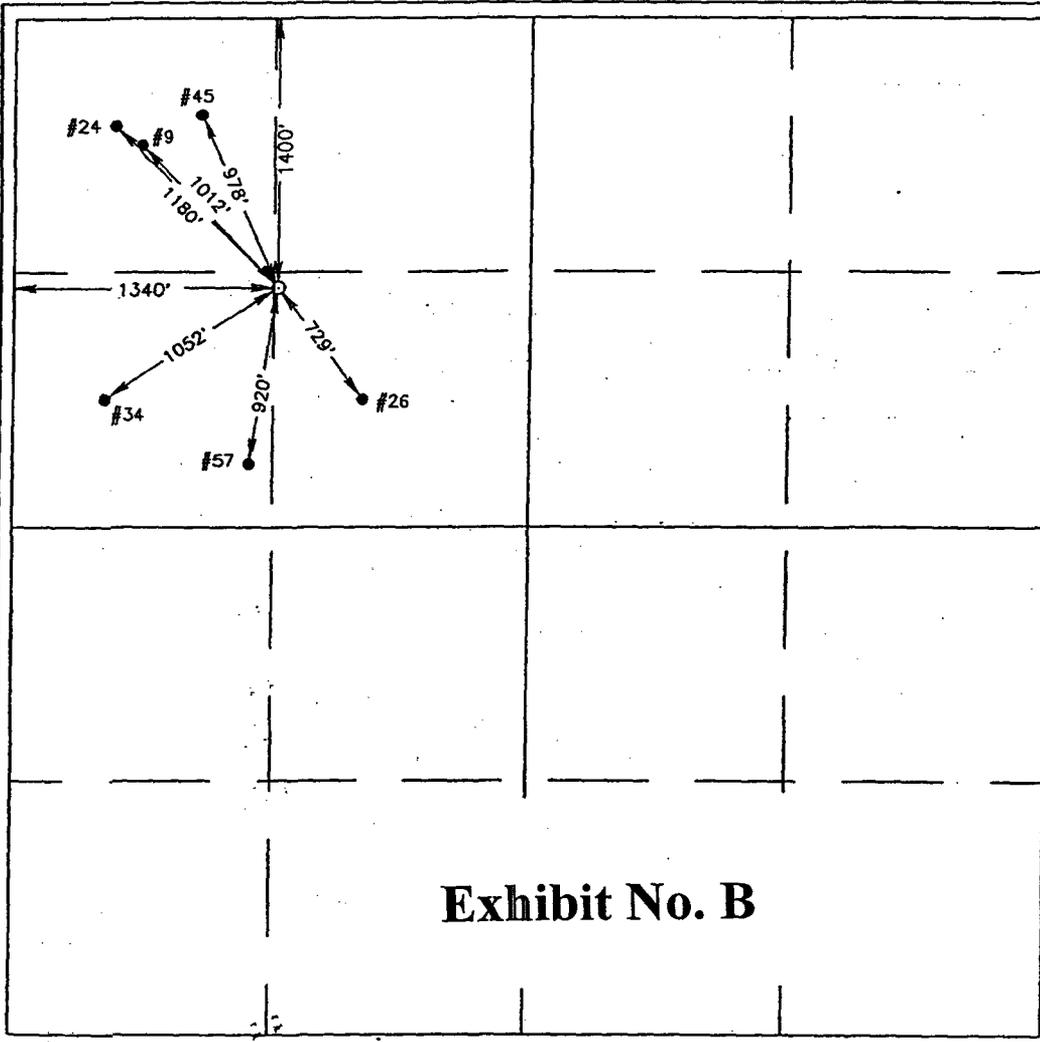


Exhibit No. B

**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

*John P. West*  
Signature of Professional Surveyor

**JOHN P. WEST**  
Printed Name

**DMCC**

**3239**  
Professional Surveyor No.

**197-11-04**  
Expiration Date

**20-97**  
Plat No.

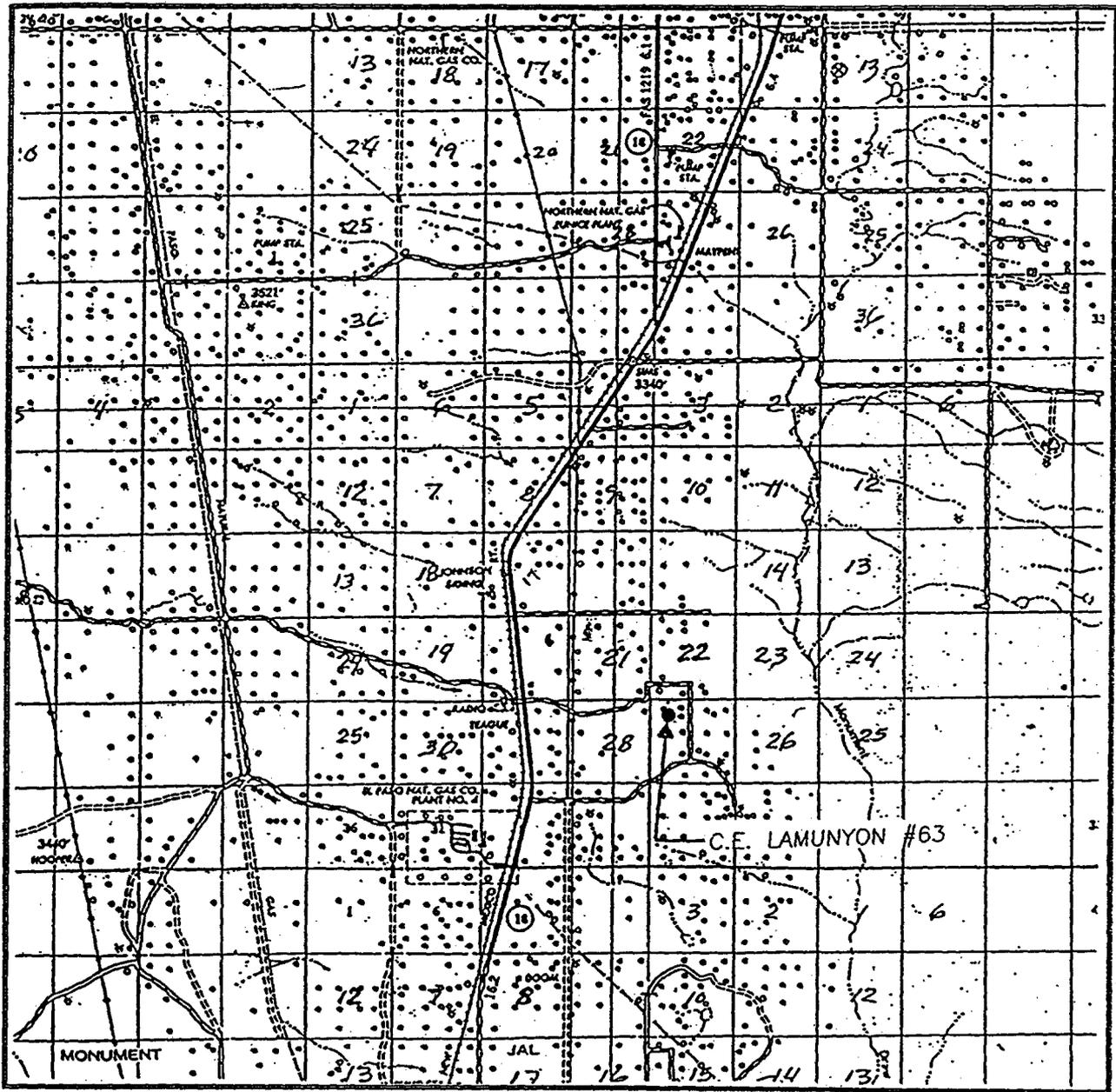
**JOHN P. WEST**  
Printed Name

**3239**  
Professional Surveyor No.

**GARY EIDSON**  
Printed Name

**12641**  
Professional Surveyor No.

# VICINITY MAP



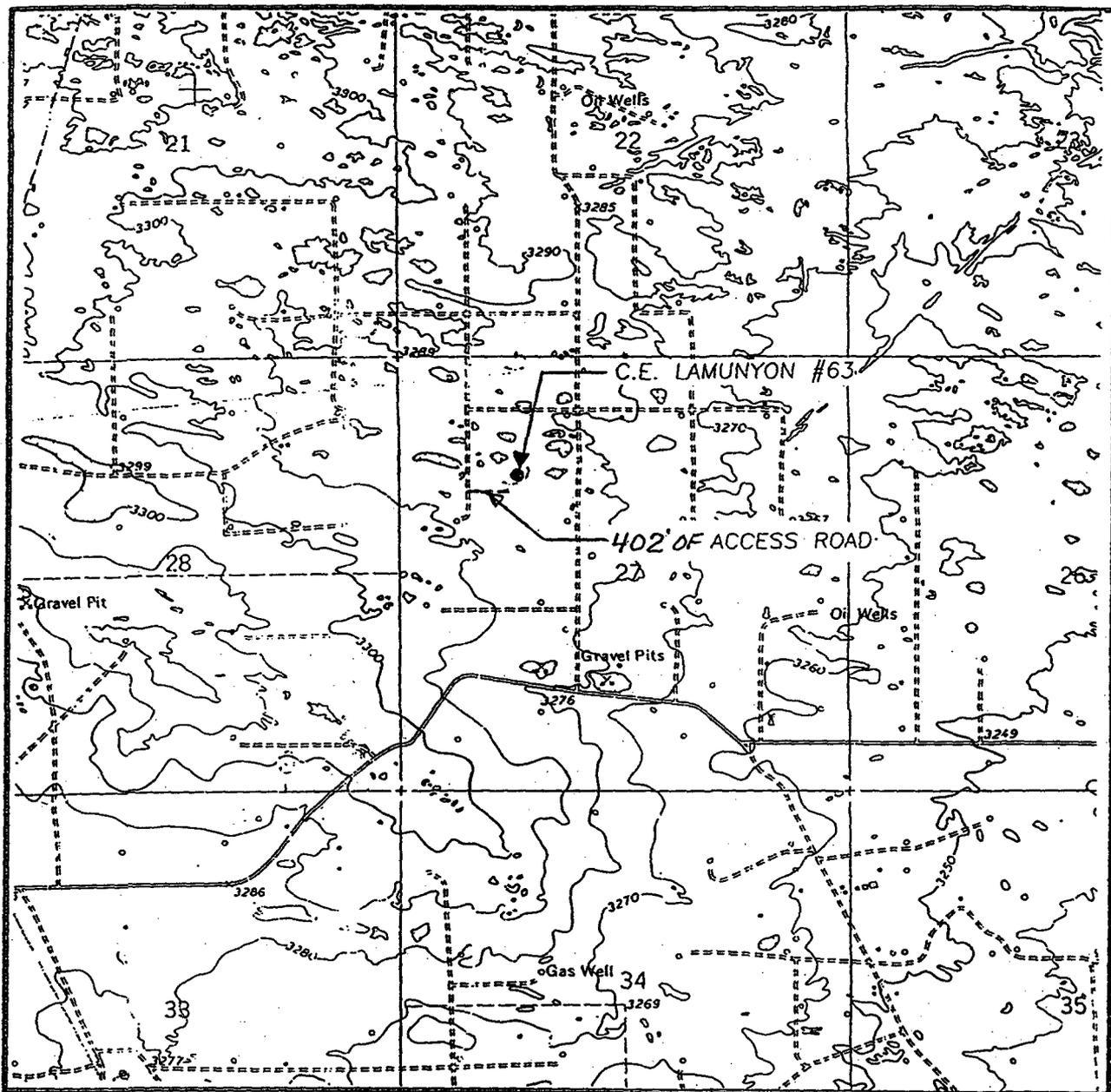
SCALE: 1" = 2 MILES

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

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

**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 REPORT

COMPLETIONS 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 OPERATOR D D  
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/ID 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
	RIG REL 07/24/97
11/07	1005 TD
	COMP 7/24/97, J&A
	NO CORES OR DSTS

IC# 300257023297

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Petroleum Information /  
Dwigths LLC

P/D-WRS-GET  
Form No 187