Form 3160-3 (December 1990)

# N.M. OIL COM P.O. BOX 1980

**OMMISSION** 

SUBMIT IN TRI' UNITED BASA NEW MEXICO 88240

reverse side)

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Form approved.

Budget Bureau No. 1004-0136

Expires: December 31, 1991

# **DEPARTMENT OF THE INTERIOR**

5. LEASE DESIGNATION AND SERIAL NO.

BUREAU OF LAND MANAGEMENT						NMLC - 030187		
	·····				6. IF INDIAN, ALLOTTEE	OR TRIBE NAME		
	APPLICATION FO	OR PERMIT TO D	DRILL OR DE	EPEN				
Ta. TYPE OF WOR			[ <del>]</del>					
b. TYPE OF WELL	DRILL X	DEEPEN			7. UNIT AGREEMENT NA	ME		
OIL WELL		SINGLE Z	ONE	MULTIPLE ZONE	8. FARM OR LEASE NAME, W	ELL NO		
2. NAME OF OPER			<del>- П</del>		C. E. LAMUNYON			
ARCH PETRO					9. API WELL NO.			
3. ADDRESS AND	<del> </del>		· -					
	RIVE, STE. 420E, MIDLAND T	X 79705 915-685-1961			10. FIELD AND POOL, OR	NAU DOAT		
	WELL (Report location clearly and in acco		nts.*) (*a		TEAGUE BLINEBR			
	UNIT C, 1216' FNL, 2620' FWI		Dox 500	eroval	11. SEC., T., R., M., OR BI AND SURVEY OR ARE	LK.		
At proposed prod.	zone		~ J & 41144	···	SEC. 28, T23S, R37	7E		
14. DISTANCE IN I	MILES AND DIRECTION FROM NEARES	ST TOWN OR POST OFFICE*			12. COUNTY OR PARRISH	H 13. STATE		
	SOUTH OF EUNICE, NM				LEA	NEW MEXICO		
15. DISTANCE FRE	40401		16. NO. OF ACRES IN	LEASE 17	7. NO. OF ACRES ASSIGNED	40		
PROPERTY OR LE	EASE LINE, FT.	7	1520		TO THIS WELL	40		
	OM PROPOSED LOCATION*		19. PROPOSED DEPT	H 20	). ROTARY OR CABLE TOOLS			
	LL, DRILLING, COMPLETED, , ON THIS LEASE, FT.	850.6	6000'		ROTARY			
21 ELEVATIONS (	Show whether DF, RT, GR, ect. )				22. APPROX. DATE WORK	WILL START*		
	3307'	<del>329</del> 0'			ASAP			
23.		·						
		PROPOSED CA	SING AND CEMENTING	G PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETT	TING DEPTH	QUANTITY OF CEN	MENT		
11"	K-55, 8-5/8"	24#	1075'		500 sx.Cl.'c' circ.			
7-7/8"	J-55, 5-1/2"	15.5#	6000'		DER SOFIEDINO	962		
	Mud Program:				HOPERTY NO.	14898 58300		
	0' - 1075' FW/Spud Mud 8.	8 - 9 0 #/gal   32 visc   10	nH			10 100		
	1075' - 5000' BW 10 #/gal.,	<b>.</b>	Pil	E	FF. DATE 8/	3/96		
	5000' - 6000' BW//Starch 10	1#/nat 30 visc 10 nH	A Marie Marie	A	PINO. 30-1	25-336		
	5000' - 6000' BW/Starch 10 See attached BOP drawing		GENERAL	SUBJECT TO EQUIREMENTS				
			ATTACHED	PULATIONS	151-36	74 <si< td=""></si<>		
	DESCRIBE PROPOSED PROGRAM: If p				e. If proposal is to drill or	ľ		
24 SIGNED Sa	alui Broake	TITLE	PRODUCTION A		DATE 5/29/	1996		
(This space for F	ederal or State office use)							
			ADBBOVAL DATE					
	oval does not warrant or certify that the ap	pplicant holds legal or equitable til	APPROVAL DATE tle to those rights in the subject		applicant to conduct operations t	thereon.		
APPROVED BY_		TITLE	· + - 2 +	ለመማይ ተርለመልጥራ።	DATE	7946		
		*See Inst	ructions 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.



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

State Lease — 4 Copies
Fee Lease — 3 Copies

DISTRICT II P.C. Drawer DD, Artonia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410 OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV P.O. Box 2068, Santa Fe, NM 87504-2068

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-33	5537 Pool Code 58300	TEAGUE BLINEBRY	Pool Name
Property Code		Well Number	
014898	C. E	E. LAMUNYON FEDERAL	61
OGRID No.		Elevation	
000962	ARC	H PETROLEUM INC.	3303

#### Surface Location

-	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	С	28	23 S	37 E		1216	NORTH	2620	WEST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section T	Cownship	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or I	Infill Con	solidation C	ode Oro	ier No.				
40	Infil	1							

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

	1216			OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
2620'	3301.2'	3299.0'		Bellie Brooks Signature
	3302.4'	1 3302.8'		Bobbie Brooks  Printed Name Production Analyst Title 5-29-96 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 supervison, and that the same is true and correct to the best of my belief.
		<del></del>	  -       	MAY 13, 1996  Date Surgery From July July Professional Surveyor May 16-96  W.O. Nam. 96-11-0571  Certificate No. JOHN WE WEST, 676
				CARY C. EIDSON, 3239

### **DRILLING PROGRAM**

C. E. LAMUNYON #61 Arch Petroleum Inc. Section 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. <u>Casing Program:</u>

Casing	Hole Size	<u>Weight</u>	<u>Grade</u>	Setting Depth
8 5/8" Surface	11"	24#	K-55	1,075'
5 1/2" Production	7 7/8"	15.5#	J-55	6,000'

### Cement Program:

- (a) Surface casing will be 8-5/8" set at 1075' and cemented with 300 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 850 sacks of Class 'C' lead cement and 450 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. <u>Proposed Mud System:</u>

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. <u>Logging, Testing, and Coring Program</u>:

- (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) or cased hole.

### 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 July 1, 1996. Once commenced, the drilling operation should be finished in approximately 10 days. The time required to complete and test the well will be about 30 days.

10. Other Facets of the Proposed Operation: None.

