orm 3156-3 (December 1990)

# N.M. OIL CONS. COMMESE

Form approved. Budget Bureau No. 1004-0136

# P.O. BOX 1980 (Other in. ions of UNITED STATES, NEW MEXICO 198240

DEPARTMENT OF THE INTERIOR

Expires: December 31, 1991
5. LEASE DESIGNATION AND SERIAL NO.

		BURE	AU OF LAND MANA	GEMENT			6. IF INDIAN, ALLOT	.C-03018	
	APPLICA	ATION FOR	PERMIT TO DRIL	L OR DEEP	EN		D. IF INDIAN, ALLOT	IEE OK IKI	BE NAME
1a. TYPE OF WOR		X	DEEPEN				7. UNIT AGREEMEN	T NAME	
b. TYPE OF WELL OIL WELL	GAS WELL		OTHER	SINGLE ZONE	MULTIPLE ZONE		B. FARM OR LEASE NAM	IE, WELL NO.	
2. NAME OF OPER	RATOR		···				C. E. LAMUNYO	N #54	
	ARCH PETROLE	EUM, INC.					9. API WELL NO.		
3. ADDRESS AND	TELEPHONE NO.					,			
			and, TX 79705 (915) 6	85-1961			10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF	WELL (Report location	clearly and in accordan	ce with any State requirements.*)			}	TEAGUE BLINEBRY		
At surface	Unit D, 1300' F	NL and 660' FWI	-			İ	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod.:	zone						Sec. 22, T23S,	R37E	
		N FROM NEAREST TO	OWN OR POST OFFICE*				12. COUNTY OR PAR	RRISH	13. STATE
		TH OF EUNICE, N				l	LEA		NM
15. DISTANCE FR			100	16. NO. OF ACRES IN	LEASE	17. NO. 0	OF ACRES ASSIGNE		
LOCATION TO NE	EASE LINE, FT.	1300'		1520		TOTE	HIS WELL	40	)
(Also to nearest dr 18. DISTANCE FR	ig. unit line, if any) OM PROPOSED LOCA	ATION*		19. PROPOSED DEP	гн	20. ROT	ARY OR CABLE TOO	LS	
TO NEAREST WE	LL, DRILLING, COMPL , ON THIS LEASE, FT.	ETED,	640'	6000'			ROTARY		
21. ELEVATIONS	(Show whether DF, RT,	GR, ect. )		J		1	22. APPROX. DATE WORK WILL START*		
	3292' GR							ASAP	-
Z3.							•		
SIZE OF HOLE	GPANE S	IZE OF CASING	PROPOSED CAS WEIGHT PER FOOT	SING AND CEMENTI	TTING DEPTH	<del></del>	QUANTITY O	FCEMENT	
12-1/4"	K-55, 8-5/8		24#		1075'		600 sx. Cl. 'C'		
7-7/8"	J-55, 5-1/2		15.5#		6000'		1650 sx. Cl. 'C'	circ.(†	E BACK
IN ABOVE SPACE deepen directional 24 SIGNED	1075' 5000' 5000' 6000' See attached B  Compared to the second sec	BW 10 #/gal., 2 BW/Starch 10 # OP drawing for 3  ED PROGRAM: If propon subsurface locations	f/gal., 30 visc., 10 pH	POOL CODE EFF. DATE API NO	NO. 149 533 1/19 1/25  Indigraphy of proposed new production venter program, if any.	-3	3252 S	JE:	95
, .	Federal or State office	use)		ADDDOMAL DATE	:				
	proval does not warrant		ant holds legal or equitable title to	APPROVAL DATE those rights in the subje		e the applic	ant to conduct opera	tions thereor	ī.
	. 121		TITLE A.T.	Çarımı, s			DATE		

\*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. APPROYAL SUBJECT TO DISTRICT I P.O. Box 1980, Bobbs, NM 88241-1980

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1894
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

East/West line

County

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

DISTRICT III 1000 Me 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 2088, Santa Fc, NM 87504-2088

UL or lot No.

Dedicated Acres

Section

Township

Joint or Infill Consolidation Code

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

3D - U25 - 33252				Pool Code		Teague Blinebry				
Property		Property Name C. E. LAMUNYON				Well Num	Well Number 54			
14893 OGRID No.				Operator Name					Elevation	
9/02				ARCI	-	ROLEUM INC.			3292	
Surface Location										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from th	North/South line	Feet from the	East/West line	County	
D	22	23 S	37 E		1300	NORTH	660	WEST	LEA	
Bottom Hole Location If Different From Surface										

# 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

Feet from the

Order No.

Range

Lot Idn

North/South line

Feet from the

1300.	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
3292.2' 3292.1'	 Signature Bobbie Brooks Printed Name
	Production Analyst  Title  8/15/95  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.
 	 AUGUST 5, 1995  Date Surgers Million JLP  Signature Surveyor ME  ME  ME
	Centificate No. 1008 West, 676  ROFESSION C. EIDSON, 3239  ROFESSION C. EIDSON, 12641

#### **DRILLING PROGRAM**

C. E. LAMUNYON #54, 55, 56 Arch Petroleum Inc. Sections 22 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. <u>Casing Program:</u>

Casing	Hole Size	<u>Weight</u>	<u>Grade</u>	Setting Depth
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. <u>Pressure Control Equipment</u>:

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>:

anticipated.

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

#### 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  $115^{\circ}$ 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 January 1, 1996. Once commenced, the drilling operation should be finished in approximately 10 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.

