	r	M.M. OILCONS. C	OMMISSION			
Form 3160-3 (December 1990)		P.O. 80× 1980	(Other instructions on	5 COPIES*	Form approved. Budget Bureau No. 10	04-0136
(0000	ι	INITED STATES	KICO 88240 reverse side)		Expires: December 3	
	DEPART	MENT OF THE INT	ERIOR		5. LEASE DESIGNATION AND	D SERIAL NO.
	BURE	AU OF LAND MANAGI	EMENT		NMNM27725	
					6. IF INDIAN, ALLOTTEE OR	TRIBE NAME
	APPLICATION FOR	R PERMIT TO DRIL	L OR DEEPEN			
Ta. TYPE OF WORK						
					7. UNIT AGREEMENT NAME	
b. TYPE OF WELL			 MULTIPLE Z			
OIL WELL X		SINGLE ZONE	MULTIPLE Z		8. FARM OR LEASE NAME, WELL M. K. STEWART #7	NO.
ARCH PETROLI					9. API WELL NO.	
3. ADDRESS AND TE				<u>.</u>		
	E, STE. 420E, MIDLAND TX	79705 915-685-1961			10. FIELD AND POOL, OR WI	LDCAT
4. LOCATION OF WE	LL (Report location clearly and in accord	ance with any State requirements.*)			TEAGUE BLINEBRY	
At surface Ut	NIT P, 540' FSL, 330' FEL				11. SEC., T., R., M., OR BLK.	
		,			AND SURVEY OR AREA	
At proposed prod. zon	ES AND DIRECTION FROM NEAREST		· · · · · · · · · · · · · · · · · · ·		SEC. 28, T23S, R37E	
9 MILES NORTH		TOWN OR FOST OFFICE			LEA	NEW MEXICO
15. DISTANCE FROM	PROPOSED*	16	NO. OF ACRES IN LEASE	17. NO	OF ACRES ASSIGNED	
LOCATION TO NEAR			160	то	THIS WELL 40)
PROPERTY OR LEAS (Also to nearest drlg. L			100			
	PROPOSED LOCATION*		PROPOSED DEPTH	20. RO	DTARY OR CABLE TOOLS	
		351'	6000'		ROTARY	
OR APPLIED FOR, OI	N (HIS LEASE, FT.				•··-	
21. ELEVATIONS (She	ow whether DF, RT, GR, ect.)	2000			22. APPROX. DATE WORK W	ILL START*
23.	· · · - · · · · · · · · · · · · · · · ·	3209'		. ···		
			AND CEMENTING PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	IT
7-7/8"	K-55, 8-5/8" J-55, 5-1/2"	2+#	6000'		50 sx. Cl. 'c' circ.	
1-110	3-33, 3-172					
	Mud Program:		OPER. OGRID NO. 96	,2		
	indd i rogiann		PROPERTY NO. 14	919		
	0' - 1075' FW/Spud Mud 8.8	- 9.0 #/gal., 32 visc., 10 pH	POOL CODE 58	300) .	<u>,</u> 1 4
	1075' - 5000' BW 10 #/gal., 2	8 visc 10 nH	1	111		
	5000' - 6000' BW/Starch 10 #	#/gal., 30 visc., 10 pH	EFF. DATE 4/18	190		111
			APINO. 30.025.	3338	ie N	
	See attached BOP drawing f		ter an the state of the second se			119 302
			and the presence and		<u> </u>	
					54 M T	
IN ABOVE SPACE DE	SCRIBE PROPOSED PROGRAM If pro		학사 현실: ent productive zone and proposed new product	tion zone. If	proposal is to drill or	
			hs. Give blowout preventer program, if any.			
	ablue Brocks		RODUCTION ANALYST		DATE 3/1/96	, <u>, , , , , , , , , , , , , , , , , , </u>
(This space for Fed	leral or State office use)					
PERMIT NO	· · · · · · · · · · · · · · · · · · ·		APPROVAL DATE			
CONDITIONS OF A	APPROVAL, IF ANY:	iicant holds legal or equitable title to th	ose rights in the subject lease which would en	title the appli		
APPROVED BY	Fimothy P. O'Brian	TITLE	AREA MANAGER		DATE APR 11	1990

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 68241-1980

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

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 67504-2068 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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code	Pool Na	me	
58300	TEAGUE BLINEBRY		
Prope	Well Number		
M.K. S	7		
Opera	tor Name	Elevation	
ARCH PETR	OLEUM INC.	3309	
	58300 Prope M.K. S Opera		

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	1
Р	28	23 S	37 E		540	SOUTH	330	EAST	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 o	r Infill Co	nsolidation (Code Ore	ler No.			<u> </u>	
40									

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.
	Ballie Brooks Signature Bobbie Brooks Printed Name Production Analyst Title 3-1-96 Date
	SURVEYOR CERTIFICATION
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	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.
 	FEBRUARY 20, 1996 Date Surveyed Signature, & Seal of Professional Surveyor
SEE DETAIL 330'	Certificate No. JOHN W. WEST 676 W.O. Warm 96-11-9243 Certificate No. JOHN W. WEST 676 W. W. JOHN W. WEST 676 W. W. WEST 676 W. W. WEST 676 W. W. W. W. W. WEST 676 W. W. W. W. WEST 676 W. W. W

DRILLING PROGRAM

148 5 1: 20 0/ 136 CALL A≩EL

M. K. STEWART #7, 8, 9 Arch Petroleum Inc. Section 28, T23S, R37E Lea Co., New Mexico

1. <u>Geologic Name of Surface Formation</u>: Quaternary

2. <u>Estimated Tops of Geologic Markers</u>:

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	<u>Hole Size</u>	<u>Weight</u>	Grade	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.

1

(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>

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. <u>Abnormal Conditions, Pressures, Temperatures, and Potential Hazards:</u>

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. <u>Anticipated Starting Date and Duration of Operations:</u>

Road and location work will not begin until approval has been received from the BLM. Anticipated spud date should be April 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.



LE 81-7511