

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>NMNM27725</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>ARCH PETROLEUM INC.</b>		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. <b>10 DESTA DRIVE, STE. 420E, MIDLAND TX 79705 915-685-1961</b>		8. FARM OR LEASE NAME, WELL NO. <b>M. K. STEWART #8</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface <b>UNIT I, 1340' FSL, 330' FEL</b> <b>UNORTHODOX LOCATION:</b> At proposed prod. zone		9. API WELL NO.
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>9 MILES NORTH OF JAL, NM</b>		10. FIELD AND POOL, OR WILDCAT <b>TEAGUE BLINEBRY</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST <b>330'</b> PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE <b>160</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SEC. 28, T23S, R37E</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, <b>720'</b>	19. PROPOSED DEPTH <b>6000'</b>	12. COUNTY OR PARRISH <b>LEA</b>
21. ELEVATIONS (Show whether DF, RT, GR, ect. ) <b>3305'</b> <b>CAPITAN</b> <b>Controlled Water Basin</b>		13. STATE <b>NEW MEXICO</b>
22. APPROX. DATE WORK WILL START* <b>ASAP</b>		

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'	600 sx. Cl. 'c' circ.
7-7/8"	J-55, 5-1/2"	15.5#	6000'	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  
5000' - 6000' BW/Starch 10 #/gal., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system.

**NSL-3651**

Approved Subject to  
General Requirements and  
Special stipulations  
Attached

OPER. OGAFC NO. **962**  
PROPERTY NO. **14919**  
POOL CODE **58300**  
EFF. DATE **5/16/96**  
API NO. **30-025-33447**

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.

SIGNED **Bahar Brooks** TITLE PRODUCTION ANALYST DATE 3/4/96

(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 **Timothy P. O'Brien** TITLE **Acting AREA MANAGER** DATE **APR 11 1996**  
\*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.

P.O. Box 1980, Hobbs, NM 86241-1980

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 88211-0719

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 30-025-33447	Pool Code 58300	Pool Name TEAGUE BLINEBRY
Property Code 014919	Property Name M.K. STEWART	Well Number 8
OGRID No. 000962	Operator Name ARCH PETROLEUM INC.	Elevation 3305

### Surface Location

UL or lot No. I	Section 28	Township 23 S	Range 37 E	Lot Idn	Feet from the 1340	North/South line SOUTH	Feet from the 330	East/West line EAST	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 40	Joint or 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

						<b>OPERATOR CERTIFICATION</b>	
						<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><u>Bobbie Brooks</u> Printed Name</p> <p><u>Production Analyst</u> Title</p> <p><u>3-1-96</u> Date</p>	
						<b>SURVEYOR CERTIFICATION</b>	
						<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><u>FEBRUARY 20, 1996</u> Date Surveyed</p> <p><u>SEE DETAIL</u> Signature &amp; Seal of Professional Surveyor</p> <p><u>330'</u> 1340'</p> <p><u>3308.7'</u> <u>3000.3'</u> <u>3307.6'</u> <u>3301.4'</u> <u>DETAIL</u></p>	
						<p><u>SEE DETAIL</u> Signature &amp; Seal of Professional Surveyor</p> <p><u>330'</u> 1340'</p> <p><u>3308.7'</u> <u>3000.3'</u> <u>3307.6'</u> <u>3301.4'</u> <u>DETAIL</u></p>	