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HOBBS, NEW MEXICO 80600

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-025-31035

BLM Roswell District
Modified Form No.
NM60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SEP 11 1989 3157280		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME G/R		
2. NAME OF OPERATOR Stevens & Tull, Inc.			7. UNIT AGREEMENT NAME ARENA		
3. ADDRESS OF OPERATOR P.O. Box 11005, Midland, Texas 79702			8. FARM OR LEASE NAME Federal "9"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2310' FNL & 2310' FEL At proposed prod. zone Same			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles west of Hobbs			10. FIELD AND POOL, OR WILDCAT West Teas - y - SR		
13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		16. NO. OF ACRES IN LEASE 400	17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. New lease		19. PROPOSED DEPTH 3500	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3545' GR			22. APPROX. DATE WORK WILL START* November 1, 1990		

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24 & 32	J-55, K-55	8 rd LT & ST&C	1300	650 sx circulate
7 7/8	5 1/2	17	J-55	8 rd LT & C	3500	500 sx CIRCULATE

- 1) Drill 12 1/4 hole to approximately 1300' or to firm formation with fresh mud. Run 8 5/8" casing to setting depth with centralizers spaced at 100' intervals. A guide shoe and float collar will be used. Cement will be 450 sx Halliburton Lite with 2% CaCl2 and 1/4#/sx cellophane and 200 sx class "C" with 2% CaCl2. Displace cement to float. Shut in.
- 2) Wait on cement 12 hours. Test pressure control equipment to 1000 psi. for 30 minutes.
- 3) Drill 7 7/8" hole with brine at native conditions to total depth of 2700'.
- 4) Raise mud viscosity to 37 sec/qt. and reduce water loss to 10cc/30sec.
- 5) Drill to 3500'.
- 6) Run 5 1/2" casing with guide shoe, float collar and latchdown wiper plug with 15 centralizers. Cement with 300 sx Halliburton Lite Cement with 1/4# cellophane plus 200 sx class "C" with 0.6% Halad 9 and 2% CaCl2 and 1/4# sx cellophane.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive 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 Rodney Z. Seale TITLE Engineer DATE 8/17/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY David Street AREA MANAGER
CONDITIONS OF APPROVAL, IF ANY: _____ DATE 10-2-90
TITLED RESURFICE AREA

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

*See Instructions On Reverse Side