

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
LH-1653

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"/>		7. Unit Agreement Name NONE
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name ECHOLS "18" STATE
2. Name of Operator APACHE CORPORATION		9. Well No. 1
3. Address of Operator 7666 E. 61ST STREET, SUITE #500, TULSA, OK 74133		10. Field and Pool, or Wildcat WILDCAT
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>660</u> FEET FROM THE <u>NORTH</u> LINE AND <u>990'</u> FEET FROM THE <u>WEST</u> LINE OF SEC. <u>18</u> TWP. <u>11S</u> RGE. <u>38E</u> NMPM		12. County LEA
19. Proposed Depth 12,800'		19A. Formation DEVONIAN
20. Rotary or C.T. ROTARY		22. Approx. Date Work will start 12-15-87
21. Elevations (Show whether DF, RT, etc.) 3916 GR		21A. Kind & Status Plug. Bond
21B. Drilling Contractor		

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48.00	450'		SURFACE
12-1/4"	8-5/8"	24.00 & 32.00	4350		SURFACE
7-7/8"	5-1/2"	17.00 & 20.00	12,800'		10,500'

1. MI & RU ROTARY TOOLS.
2. DRILL 17-1/2" HOLE TO 450'.
3. RU & RUN 13-3/8" TO 450' AND CEMENT BACK TO SURFACE.
4. NU AND TEST 3000 PSI WP DOUBLE RAM BOP. AFTER 18 HRS. TOTAL WOC TIME, TIH & TEST CASING TO 600 PSI FOR 30 MINUTES.
5. DRILL FLOAT EQUIPMENT. DRILL 12-1/4" HOLE TO 4350' (TOP OF SAN ANDRES ZONE). CONDITION HOLE.
6. TOH & RUN OPEN HOLE LOGS PER GEOLOGICAL DEPARTMENT.
7. RU & RUN 8-5/8" INTERMEDIATE CASING TO 4350'. CEMENT TO SURFACE.
8. CUT-OFF & NU CASING SPOOL (3000 PSI WP). NU & TEST 3000# WP BOP (DOUBLE RAM TYPE).
9. AFTER 18 HRS WOC TIME, TIH & TEST CASING TO 1000 PSI FOR 30 MINUTES.
10. DRILL OUT FLOAT EQUIPMENT AND DRILL 7-7/8" HOLE TO TD OF APPROXIMATELY 12,800'. CONDITION HOLE. (SEE ATTACHED SHEET)

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. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Gary L. Poulain Title DRILLING ENGINEER Date 11-30-87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE DEC 7 1987

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.