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U.S.G.S.	
LAND OFFICE	
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5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

7. Unit Agreement Name

8. Farm or Lease Name  
ARGO

2. Name of Operator  
SHELL OIL COMPANY

9. Well No.  
9

3. Address of Operator  
P. O. BOX 991, HOUSTON, TEXAS 77001

10. Field and Pool, or Wildcat  
HARE - SIMPSON

4. Location of Well  
UNIT LETTER M LOCATED 330 FEET FROM THE SOUTH LINE  
AND 990 FEET FROM THE WEST LINE OF SEC. 15 TWP. 21-S RGE. 37-E NMPM

12. County  
LEA

19. Proposed Depth 8189' (TD)	19A. Formation McKEE	20. Rotary or C.T. ----
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21. Elevations (show whether DF, RT, etc.) 3445' DF	21A. Kind & Status Plug. Bond BLANKET	21B. Drilling Contractor WORKOVER RIG	22. Approx. Date Work will start MARCH 1982
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23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/4"	13 3/8"	32.4#	225'	250 sx	SURFACE
11"	8 5/8"	32#	2917'	1700 sx	SURFACE
7 7/8"	5 1/2" (LINER)	15.5#, 17#	8000'	850 sx	2701'

We propose to abandon the Ellenburger zone in this well and recomplete in the Hare-Simpson formation.

- CO to 8000'. Set CIBP @7990'. Pressure test. Cap w/35' cmt.
- Spot 400 gals 15% NEA double inhibited acid. Perforate 5 1/2" liner 7557' - 7925' (48 holes in 369'). Set FBRC @7550'.
- Frac treat w/38,000 gals cross-linked gelled 2% KCl + 84,000# 20-40 mesh sand + 85 tons CO<sub>2</sub> + 2,000 gals 15% NEA.
- Retrieve FBRC. Clean out fill to PBSD (7990').
- Install production equipment and test.

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 BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Jerry Sexton A. J. FORE Title SUPERVISOR REGULATORY & PERMITS Date FEBRUARY 25, 1982

(708) JERRY SEXTON  
DISTRICT 1 SUPR.

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAR 2 1982

CONDITIONS OF APPROVAL, IF ANY:

**RECEIVED**

MAR - 1 1982

O.C.D.  
**HOBBS OFFICE**