

30-025-29932

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

b. Type of Well DRILL  Directional DEEPEN  PLUG BACK   
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Shell Western E & P Inc.

3. Address of Operator  
P. O. Box 576, Houston, Texas 77001

4. Location of Well UNIT LETTER H LOCATED 1973 FEET FROM THE North LINE  
 AND 530 FEET FROM THE East LINE OF SEC. 33 TWP. 18S RGE. 38E NMPM

7. Unit Agreement Name  
North Hobbs(GB/SA) Unit

8. Farm or Lease Name  
Sec. 33

9. Well No.  
412

10. Field and Pool, or Wildcat  
Hobbs GB/SA

12. County  
Lea

19. Proposed Depth  $\pm$  4400' 19A. Formation GB/SA 20. Rotary or C.T. Rotary

21. Elevations (Show whether DF, RT, etc.) 3635.8'Gr. 21A. Kind & Status Plug. Bond Blanket 21B. Drilling Contractor Norton Drilling Co. 22. Approx. Date Work will start June 1, 1987

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	32.3 & 36#	$\pm$ 1625'	1400 *	Surface
8 3/4"	7"	20 & 23#	$\pm$ 4400'	1350 **	Surface

Directional well: Unit Letter "A" 1300' FNL & 750' FEL, Sec. 33-18S-38E  
Unorthodox with respect to 1/4 1/4 Sec.

\* Lead in w/1200 sxs 50-50 Poz "C" + 6% gel + 3% salt  
Tail in w/200 sxs Class "C" + 2% CaCl2

\*\* Lead in w/1000 sxs 50-50 Poz "A" + 6% gel + 3% salt  
Tail in w/350 sxs Densified Class "C"

BOP Program: 3000# Ram Preventer

NSL-2346 (AD)

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 A. J. Fore A. J. Fore Title Supv. Reg. & Permits Date 4/20/87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAY 28 1987

CONDITIONS OF APPROVAL, IF ANY: