

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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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 ☐		7. Unit Agreement Name
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name LIVINGSTON
2. Name of Operator SHELL WESTERN E&P INC.		9. Well No. 3
3. Address of Operator P. O. BOX 576, HOUSTON, TX 77001 (WCK 4435)		10. Field and Pool, or Wildcat WANTZ ABO
4. Location of Well UNIT LETTER <u>W</u> LOCATED <u>560</u> FEET FROM THE <u>SOUTH</u> LINE AND <u>2030</u> FEET FROM THE <u>EAST</u> LINE OF SEC. <u>3</u> TWP. <u>21S</u> RGE. <u>37E</u> NMPM		12. County LEA
19. Proposed Depth 8094' (TD)		19A. Formation WANTZ ABO
20. Rotary or C.T. ROTARY		
1. Elevations (Show whether DF, RT, etc.) 3433' DF	21A. Kind & Status Plug. Bond BLANKET	21B. Drilling Contractor WORKOVER RIG
22. Approx. Date Work will start UPON APPROVAL		

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#	224'	250	SURF
11"	8-5/8"	32#	3147'	2200	SURF
7-7/8"	5-1/2"	15.5#; 17#	7968'	500 -	5110'

WE PROPOSE TO SQUEEZE THE BLINEBRY & DRINKARD ZONES & RECOMPLETE TO THE WANTZ ABO AS FOLLOWS:

1. POH w/prod equip.
2. Set cmt ret @ 6350'. Sqz Drinkard perfs 6450' - 6750' w/100 sx Cls "C" cmt + .3% Halad-9 followed by 50 sx Cls "C" cmt + 2% CaCl₂.
3. Set pkr @ 5550'. Sqz Blinebry perfs 5604' - 5951' w/100 sx Cls "C" cmt + .3% Halad-9 followed by 100 sx Cls "C" cmt + 2% CaCl₂. WOC 24 hrs.
4. DO to cmt cap on CIBP @ 7000', interrupting drlg @ 5850' & 6350' to tst sqz to 500#.
5. DO CIBP @ 7000' & CO to 7350'.
6. Acldz Wantz Abo perfs 7140' - 7290' w/8000 gals 15% HCl + 1500# rock salt.
7. Install prod equip & return well to prod.

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 W. J. Fore Title SUPERVISOR REG. & PERMITTING Date 11-18-87

(This space for State Use)

ORIGINAL SIGNED BY JERRY TEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE NOV 23 1987

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.