STATE OF NEW MEXICO OIL CONSERVATION DIVISION Form C-101 ENERGY AND MINERALS DEPARTMENT Revised 10-1-78 P. O. BOX 2088 SA. Indicate Type of Lease SANTA FE, NEW MEXICO 87501 DISTRIBUTION BYATE . , (X SANTA FE 5. State Oil & Gas Lease No. FILE U.S.G.S. LAND OFFICE OPERATOR APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. Unit Agreement Name PLUG BACK X DEEPEN [DRILL [8. Farm or Lease Name b. Type of Well MULTIPLE ZONE BINGLE X LIVINGSTON ₩در 🗓 OTHER 9. Well No. 2. Name of Operator SHELL WESTERN E&P INC. 3. Address of Operator 10. Field and Pool, or Wildcat WANTZ ABO (WCK 4435) P. O. BOX 576, HOUSTON, TEXAS 77001 SOUTH 915 37-E 12. County LEA ROTARY WANTZ ABO 8130' (TD) 22. Approx. Date Work will start 21B. Drilling Contractor Elevations (show whether DF, KI, etc.) 21A. Kind & Status Plug. Bond UPON APPROVAL WORKOVER RIG **BLANKET** 3437' DF PROPOSED CASING AND CEMENT PROGRAM SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP SIZE OF HOLE SURFACE 250 2221 32.4# 13-3/8" 17-1/4" SURFACE 2000 3142' 8-5/8" 32# 11" 3585 8129 865 5-1/2" 15.5# 7-7/8" WE PROPOSE TO PLUG BACK THE HARE SIMPSON AND RECOMPLETE TO THE WANTZ ABO AS FOLLOWS:

ne i	10,000 10 1200 200	
1. 2. 3. 4. 5. 6. 7.	Pull production equipment. Set RBP @ ±2850'. Pres tst 8-5/8" csg to 500#. Set cmt ret @ ±7700'. Sqz Hare Simpson perfs 7760' - 7925' w/75 sx Cls "C" cmt + 75 sx Cls "C" cmt. Cap ret w/excess cmt. WOC 24 hrs. Circ hole clean. Pres tst csg to 500#. Run CNL/GR/CCL log from ±7700' to ±6700'. Spot 20% HCl from 7300' to 7000'. Perf Wantz Abo at depths to be determined from log. Run base GR/temp survey from PBTD (± 7700') to 6900'.	3% Halad-9 followed by
9.	Kun base aky temp survey from 1918 () The perfect sine)	
	(CONTINUED ON REVERSE SIDE)	FMT BRODUCTIVE ZONE AND PROPOSED NEW PROD
IN ABOVE SPA	CE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPER OF PLUG BACK, GIVE DATA ON PACE	
	that the information above is true and complete to the best of my knowledge and belief.	
	A. J. FORE THE SUPERVISOR REG. & PERMITTING	DoseNOVEMBER 7, 1986
APPROVED B	(This space for State Use) RIGINAL MIRNES AND THE TITLE	NOV 1 3 1986
	OF APPROVAL, IF ANYI	

Acidize Wantz Abo perfs w/3000 gals 20% HCl. 10.

11.

Run GR/temp survey from PBTD to 6900'.
Acid frac Wantz Abo w/30,000 gals 28% HCl + 15,000 gals viscous fluid w/1/2 ppg 100 mesh sand + 10,000 gals non-viscous fluid.
SI minimum of 48 hrs. 12.

13.

Run GR/temp survey from 6900' - PBTD 6 to 18 hrs following treatment. After minimum 48 hr SI, flow well thru 8/64" choke until it dies. Install production equipment and return well to production. 14.

15.

16.