

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-9745	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER		7. Unit Agreement Name
2. Name of Operator SHELL WESTERN E&P INC.		8. Form or Lease Name STATE SECTION 2
3. Address of Operator P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)		9. Well No. 6
4. Location of Well UNIT LETTER <u>S</u> <u>1980</u> FEET FROM THE <u>SOUTH</u> LINE AND <u>1980</u> FEET FROM <u>WEST</u> LINE, SECTION <u>2</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> N.M.P.M.		10. Field and Pool, or Whidcat BRUNSON ELLENBURGER
15. Elevation (Show whether DF, RT, GR, etc.) 3488' DF		12. County LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data.

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPER. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
		OTHER <u>SOZD HARE SIMPSON, RECOMPLETED TO WANTZ ABO AND ACIDIZED</u> ☒	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-07-87: Pulled prod equip. Tagged PBTD (CIBP) @ 8000'. Set cmt ret @ 7601'. Sqzd Hare Simpson perfs 7668' - 7802' w/50 sx Cls "C" cmt + .3% Halad-9 followed by 50 sx Cls "C" cmt. Perf'd Wantz Abo @ 7220' (4 JSPF).

1-08-87: Acd perfs @ 7220' w/300 gals 15% HCl-NEA. Set cmt ret @ 7185'. Sqzd perfs @ 7220' w/40 sx Cls "C" cmt + .3% Halad-9.

1-09-87: Spotted 300 gals 15% HCl-NEA from 7200' - 6950'. Perf'd Wantz Abo 7014' - 7155' (4 JSPF, 68 holes).

1-10-87: Ran temp survey from 7171' to 6900'. Acd perfs 7014' - 7155' w/7500 gals 20% HCl-NEA + 1000# rock salt. Ran temp survey from 7171' to 6900'.

1-12-87: Installed prod equip and returned well to prod.

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

Signed J. Curtis Jr A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE FEBRUARY 3, 1987

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

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5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
B-9745

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 STATE SECTION 2
2. Name of Operator SHELL WESTERN E&P INC.		9. Well No. 6
3. Address of Operator P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)		10. Field and Pool, or Wildcat WANTZ ABO
4. Location of Well UNIT LETTER S LOCATED 1980 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE WEST LINE OF SEC. 2 TWP. 21-S RGE. 37-E NMPM		12. County LEA
19. Proposed Depth 8207' (TD)		19A. Formation WANTZ ABO
20. Rotary or C.T. ROTARY		
21. Elevation (Show whether DF, RT, etc.) 3488' DF	21A. Kind & Status Plug. Bond BLANKET	21B. Drilling Contractor WORKOVER RIG
22. Approx. Date Work will start UPON APPROVAL		

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"	48#	225'	300	SURF
11"	8-5/8"	32#	3149'	1800	SURF
7-7/8"	5-1/2" LNR	15.5, 17#	2942' - 8065'	1080	SURF
7-7/8"	5-1/2" TIE-BACK	14#	SURF - 2942'	450	SURF

NOTE: WELL IS CURRENTLY PLUGGED BACK W/CIBP @ 8000' AS A RESULT OF RECENT ATTEMPTS TO DHC THE ELLENBURGER & HARE SIMPSON.

WE PROPOSE TO PLUG BACK THE ELLENBURGER, SQZ THE HARE SIMPSON & RECOMPLETE TO THE WANTZ ABO AS FOLLOWS:

1. Pull production equipment.
2. Tag CIBP @ 8000'. Cap CIBP w/35' cmt.
3. Set cmt ret @ ±7600'.
4. Sqz Hare Simpson perms 7668' - 7802' w/50 sx Cls "C" cmt + .3% Halad-9 followed by 50 sx Cls "C" cmt. WOC 24 hrs.
5. Perf Wantz Abo @ 7220' (4 JSPF).
6. Acidize perms @ 7220' w/300 gals 15% HCl-NEA.
7. Set cmt ret @ ±7200'. Sqz perms @ 7220' w/30 sx Cls "C" cmt + .3% Halad-9. WOC 24 hrs.

(CONTINUED ON REVERSE SIDE)

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 Title SUPERVISOR REG. & PERMITTING Date DECEMBER 9, 1986

(Leave space for State Use)

Orig. Signed by
Paul Kautz

APPROVED BY Geologist TITLE Geologist DATE DEC 12 1986

CONDITIONS OF APPROVAL, IF ANY:

8. Spot 250 gals 15% HCl-NEA from $\pm 7200'$ - 6950'.
9. Perf Wantz Abo 7014' - 7155' (4 JSPF, 68 holes).
10. Run base GR/temp survey from $\pm 7200'$ to 6900'.
11. Acid treat perfs 7014' - 7155' w/7500 gals 20% HCl-NEA + 1000# rock salt.
12. Run GR/temp survey from PBTD to 6900'.
13. Install production equipment & tst well on pmp until well stabilizes.
14. Pull production equipment.
15. Run base GR/temp survey from PBTD to 6900'.
16. Acid frac Wantz Abo perfs 7014' - 7155' w/30,000 gals 28% HCl + 15,000 gals viscous fluid + 7500# 100 mesh sand + 27,500 gals non-viscous fluid + 17,500# 100 mesh sand.
17. SI well minimum of 48 hrs.
18. Run GR/temp survey from 6900' - PBTD 6 to 18 hrs following treatment.
19. Install production equipment and return well to production.

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