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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS <small>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.</small>		1a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
		5. State Oil & Gas Lease No.
1. Name of Operator SHELL OIL COMPANY		7. Unit Agreement Name
2. Address of Operator P. O. BOX 991, HOUSTON, TX 77001 T&C 459		8. Farm or Lease Name State M
3. Location of Well UNIT LETTER P 330 FEET FROM THE South LINE AND 450 FEET FROM THE East LINE, SECTION 29 TOWNSHIP 17S RANGE 35E N.M.P.M.		9. Well No. 4
10. Field and Pool, or Wildcat Vacuum		11. County Lea
15. Elevation (Show whether DF, RT, GR, etc.) 3964' DF		

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
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PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	

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.

SQUEEZE CEMENT BEHIND CASING TO STOP OIL & WATER FLOW

- 4-2-80: Set RBP @6983' & spotted 20' sand on top of RBP.
Ran GR/CPL/CCL log. Found top of cmt @2750'. perfs (4 holes) @2690'.
- 4-3-80: Ppd into csg @5 BPM @900 psi. Could not get
circulation out bradenhead. Set pkr @2542'
started circulating out drilling mud w/full returns @bradenhead.
Circ'd mud until ran out of fluid.
- 4-4-80: Circ'd hole for 720 bbls w/brine wtr. W/circulation returns out bradenhead,
still getting drlg mud returns @end of 720 bbls. Pld pkr & 2 3/8" tbg.
Ran cmt retainer on 2 3/8" tbg. Set cmt retainer @2550'.
Loaded csg annulus to 600 psi. Mixed & ppd 2000 sx
Class A cmt w/8% gel & 8% salt. Tailed in w/300 sx Class-C cmt w/2% CaCl2.
Had full returns out bradenhead for 1950 sacks. Then lost returns completely.
Pld out of cmt retainer & reversed out 10 sx cmt. SD pump & still had strong
flow wtr, then turned to cmt. Cmt retainer leaking. Stung back into cmt
retainer several times & could not get cmt retainer to hold. Ppd down tbg
w/20 bbls fresh wtr to clear perfs. Left tbg shut in w/800 psi pressure on
tbg.

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 SR. ENGR. TECH. DATE 4-25-80

APPROVED BY [Signature] TITLE [Signature] DATE [Signature]

CONDITIONS OF APPROVAL, IF ANY:

- 4-5-80: Released pressure on rbg - no backflow. Ppd into squeezed perfs @1 BPM @2300 psi. Unstung from cmt retainer & POH. Ran temperature survey. Found top of cmt @25' FS. Ran cmt retainer on 2 3/8" tbg & set @2520' - 30' above 1st cmt retainer. & loaded csg to 500 psi. Ppd into squeeze perfs @2690' @1 BPM @2300 psi. Mixed & ppd 200 sx Class-C cmt + 2% CaCl2 - no returns out bradenhead. SD. Pressure was 1300 psi w/no bleed back. PO of cmt retainer & reversed out 15 sx cmt. Cmt retainer holding. POH & SDON.
- 4-6-80 WOC Hit cmt @2515'.
- 4-7-80: Ran 3 7/8" rock bit Drld cmt down to cmt retainer #2 @2550'.
Drld out cmt retainer #1 @2520'.
- 4-8-80: drlg cmt retainer #2 @2550'. No cmt under retainer for 90'. Drld soft to hard cmt from 2640-2690'. Cmt strainers from 2690-2900'. Ran bit to 3050' & tested squeezed perfs @2690' to 1000 psi. Leaked off to 800 psi in 5 min. Repressured to 1000 psi - leaked off to 800 psi in 5 min.
- 4-9-80: Ran cmt retainer on 2 3/8" tbg. Press'd csg, squeezed perfs @2690' before setting cmt retainer. Press'd csg annulus to 1200 psi - held OK for 10 min. Released pressure. POH. Ran RBP retrieving head on 2 3/8" tbg. Circ'd sand off RBP. Set @5983'.
- 4-10-80 Released RBP + POH. Ran production equipment.
- 4-11-80 Set well ppg. ROPU.

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