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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

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: Olen F. Featherstone

8. Farm or Lease Name: Anderson Fee

3. Address of Operator: 236 Petroleum Building, Roswell, New Mexico 88201

9. Well No. 1

4. Location of Well: UNIT LETTER M, 660 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 14S RANGE 35E NMPM.

10. Field and Pool, or Wildcat

15. Elevation *(Show whether DF, RT, GR, etc.)*

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 ☒		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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.

Sept. 29, 1967 DST #4 10,528' to 10,572' - ISI 3980# FSI 3874# - Recovered 56 Barrels Water and 8 Barrels Oil.

Oct. 1, 1967 Ran 10,660' 5-1/2" combination - Cemented 200 sacks. Perforations and treatments (Perforations .41" glass Jets thru tubing).

Oct. 7, 1967

Top Zone	10,542' to 10,549'	Perforations	10,545; 546; 547	3 shots
Middle Zone	10,553' to 10,561'	Perforations	10,556; 557; 558	3 shots
Bottom Zone	10,565' to 10,571'	Perforations	10,568; 569; 570	3 shots

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

SIGNED Charles W Hicks TITLE General Manager DATE November 1, 1967

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

perforated bottom zone first and swabbed dry. Recovered 15 barrels water - fresh. Set RBP at 10,562' and RTTS at 10,530. Perforated top and middle zones. Dowell could not inject BDA acid at 5400#. Welex reperforated top two zones in same intervals - pumped in 500 gallons BDA acid. Breakdown pressure 5600 psi. Followed acid with oil. Began to swab back fluid. Pulled 5 swabs and shut-in until morning.

Oct. 8, 1967 — Had 300# on tubing at 7:00 A.M. Swabbed water and acid water. Small amount of gas. Fluid level 3,000' to 5,000'. Top two zones communicated and producing water.
Swab tested bottom zone by setting RBP at 10,605' and RTTS at 10,562' and swabbing. Swabbed down and produced small amount fresh water (17,000 PPM cl). Decided to squeeze top two zones before proceeding.

Oct. 14, 1967 — Halliburton squeezed all perforations with 100 sacks cement plus 75# of Halad #9. Bottom of RTTS set 10,470'. Pressured to 4800# and had a few breaks indicating injection into several perforations. After 20 minutes pressure seemed to hold. Approximately 68 sacks into formation and reversed out balance.

Oct. 15, 1967 — Dowell displaced water in 5-1/2" casing with oil. Welex perforated one shot each 6" from 10,567' thru 10,570'. Dowell spotted acid but could not break down at 6,000#. Welex ran back in to reperforate and reported packer set below perfs. When they came out of hole found acid had crystallized part of line. Tubing blocked.

Oct. 16, 1967 — Dowell attempted to reverse out material blocking tubing. Reversed out acid but did not clear tubing so pulled tubing. Talley of tubing showed excess of 7' in permanent stretch in tubing. Hole now full of oil.

Oct. 17, 1967 — Went in 5-1/2" with Welex Super Dyna-Jet and perforated 7 shots - 2 per foot from 10,567' thru 10,570'.
Ran tubing with RTTS to 10,562' and spotted 500 gallons BDA acid. Set RTTS and pressured 1500# on annulus. Dowell injected 500 gallons BDA acid - maximum pressure 6,000 psi. Communication with upper zones. Swabbing water - some oil. At times appreciable amounts of new oil and then seems to drown out. Swabbing at rate of 25 to 30 barrels per hour.
It does not appear economical to pump well and handle the amount of water indicated on swab tests. The surging amounts of oil made it difficult to get an accurate oil-water ratio.
It may be practical to squeeze all perforations and sand jet perforations in lower zone and attempt to get it opened up with acid under low pressure.