Form 3160-5 (June 1990)

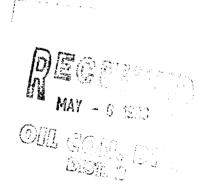
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

signation and Serial No. SF-079601		
Alottee or Tribe Name		
CA, Agreement Designation		
ne and Number LYDIA RENTZ		
11A		
No. 3003925377		
d Pool, Exploratory Area ALLUP - DAKOTA, WEST		
or Parish, State RIO ARRIBA , NM		
Other Data		
YPE OF ACTION		
Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)		

FOUR STAR OIL & GAS PROPOSES TO TEST THE GREENHORN FORMATION IN THE SUBJECT WELL. PLEASE SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM FOR PERTINENT DETAILS.



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14. I hereby certify that the foregoing is true and correct SIGNATURE TYPE OR PRINT NAME Ted A. Tipton	TITLE Operating Unit Manager	DATE	4/8/96	
This space for Federal or State office use) APPROVED CONDITIONS OF APPROVAL, IF ANY:	Chief, Lands and Mineral Resources DATE	MAY	2 1996	
	d willfully to make to any department or agency of the United States any false, fictition	ous or fraudulent	statements or	

Lydia Rentz No. 11A Workover Procedure to Test the Greenhorn Interval

- 1. Insure that the BLM sundry has been approved. MIRU well service unit. Install BOP. POOH with rods, pump and 2-3/8" tubing.
- 2. RU wireline service with full lubricator. Perforate 5-1/2", 17# casing from 7725' to 7782' with 2 JSPF, 4" casing guns (Schlumberger HEGS or equivalent). 114 holes. 180 degree phasing. Log reference HLS GR-Density/Neutron, dated 8/5/94.
- 3. RIH with 5-1/2" RBP and Packer on 2-3/8" tubing, set RBP at 7796'. Set Packer and test RBP to 4,250 psig. Pull Packer up hole and set at 7520'. Shut in tbg-csg annulus and allow pressure to build up from the Gallup. Monitor annulus pressure during treatment. Acid stimulate Greenhorn limestone with 5,700 gallons 15% NEFE acid according to the attached Dowell recommendation. Use 114, 7/8", 1.3 s.g. ball sealers. Drop one ball every 25 gallons acid during second half of treatment. Flush to bottom perf with 2% KCl water. Maximum pressure 4,250 psig. Surge ball sealers. Unset packer and knock balls off perfs.
- 4. Swab back load. Continue to swab until hydrocarbon production is established. POOH with tubing and packer.
- 5. TIH with retrieving head on 2-3/8" tubing. Unset RBP and POOH. TIH with production string, rods and pump. Set pump at 8008' (or lower). Place well back on production. This well was averaging 28 BOPD, 7 BWPD and 68 MCFD from the Gallup-Dakota intervals prior to opening the Greenhorn. The Greenhorn interval will be evaluated on the basis of incremental production to determine if a cement squeezed or fracture stimulation is warranted.
- 6. Obtain stabilized production rate. Final workover on morning report. Submit subsequent sundry.

Capacities: Burst:

2-3/8", 4.6#, J-55 tubing 0.1624 gals/ft (0.00387 Bbls/ft) 7,700 psi (80%: 6,160 psi) 5-1/2", 17# J-55 casing 0.9764 gals/ft (0.0232 Bbls/ft) 5,320 psi (80%: 4,256 psi) 2-3/8" x 5-1/2", 17# annulus 0.7463 gals/ft (0.0178 Bbls/ft)