

RECOMPLETION PROCEDURE
San Simon 19 State, Well No. 1
AFE NO.
Lea County, New Mexico

1. Move in well service unit. Kill well with 10#/gal brine. Nipple down tree, nipple up BOP.
2. Trip out of hole with 12,252' 2-3/8" 4.7#/ft. N-80 ABC Mod tubing and seal assembly (1652.95' in tail pipe).
3. Rig up wireline company, set a 4-1/2" 13.5#/ft. cement retainer at 12,290'±.
4. Trip in hole with 12,000'± 2-3/8" 4.7#/ft. N-80 ABC Mod tubing. Pressure annulus to 1500 psi, load tubing. Pump 20 bbls fresh water into formation.
5. Mix and pump 50 sx. Class H cement containing .8% fluid loss additive Halad 9 (or comparable product) 1.05 yield, 16.5 ppg, 4.28 gal/sx water. Thickening time approximately 3 hours, fluid loss est. 160 or less. Compressive strength 12 hours, 1500 psi; batch mix cement and wash up lines at well head before displacement. Displace cement to cement retainer and leave 35' cement on top of retainer.
6. Trip out of hole to 11,460', spot 12 bbls 10% Acetic Acid containing 2 GPT inhibitor, 2 GPT surfactant, weighted to 10.2 ppg. Trip out of hole with tubing.
7. Rig up wireline company. Rig up a 5000 psi lubricator and test to 3000 psi and perforate the Strawn Lime with a 3-3/8" decentralized Hyper-Jet II .38" hole (or comparable charge) as follows:

11,242'	11,274'	11,428'	11,442'	11,451'
11,244'	11,278'	11,434'	11,444'	
11,246'	11,280'	11,436'	11,449'	
11,248'	11,282'	11,438'	11,450'	

Total of 17 holes.

8. Trip in hole with 10,567' 2-3/8" 4.7#/sx. N-80 ABC Mod tubing and seal assembly. Land seal assembly and pressure annulus to 1000 psi to test seals. Pull out of PBR, circulate packer fluid w/10ppg brine containing 1.5% Baroid wt. 1270 w/pH of 10.5. Install back pressure valve, displace tubing with fresh water. Land seal assembly in PBR with 15,000# slackoff.
9. Break down the perforations with the spot acid at 3-4 BPM at 6500 psi.
10. Flow the well to clean up.
11. Acidize the Strawn Lime with 3500 gals 15% NEFE acid as follows:
Pump 500 gal acid
Pump 3000 gal acid, inject one 7/8" ball sealer every 3 bbls acid (25 balls)
at 5-6 BPM at 7,500 psi.
12. Flow the well to clean up and test.