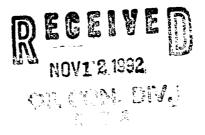
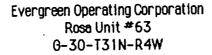
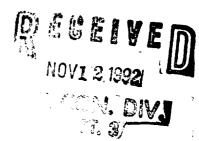
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] Abandonment	[ ] Change Plans	
] Recompletion	[ ] New Construction	
] Plugging Back	[ ] Non-Routine Fracturing	
] Casing Repair	[ ] Water Shut-Off	
] Altering Casing	[ ] Conversion to Injection	
] Other	[ ] Dispose Water	
	] Abandonment ] Recompletion ] Plugging Back ] Casing Repair ] Altering Casing	



NOTE: This format is issued in lieu of U.S. BLM Form 3160-5.				
14. I hereby certify Signed	that the foregoing is	true and correct.  Title	Agent	ACCEPTED FOR RECORD
Approved by		Title		NOY US 1992  FARMINGTON RESOURCE AREA
Conditions of approval, if any:		<del></del> .	NMOGE	BY 25T

## PLUGBACK PROCEDURE





10/22 & 23/92: Bled well down. Installed BOP. Pulled tubing & packer. Recovered 8114.45' of 2-3/8" tubing including 3 bad joints. Ran casing scraper to 8030' — damaged 2 more joints of tubing.

10/24/92: Intended to set BP @ 8040'. Set cement retainer @ 7911' with remaining good tubing. (Oral approval was obtained from Mr. Ken Townsend of the BLM @ 10:00 AM 10/23/92.)

Plugged Dakota w/75 sx Class 0 w/0.6% Halad 322, yield = 86 Cu.Ft., through cement retainer @ 7911' and spot 30 sx Class 0, yield = 36 Cu.Ft., on top of retainer from 7911 to 7550'. Spot 10 sx Class 0, yield 11 Cu.Ft. cement plug from 7066' to 6940' across Gallup formation w/mud. Spot 10 sx Class 0, yield = 11 Cu.Ft., cement plug from 5665' to 5540' across the Mesaverde formation w/mud. Spot 10 sx, yield 11 Cu.Ft., cement plug across Chacra formation from 4887' to 4760' w/mud. Pull up to 4200' and circulate hole w/mud.

Trip out of hole, pick up bit and casing scraper. Trip in hole to 3882'. Circulate out mud above 3882' w/fresh water. Trip out of hole.

10/25/92: Pick up 4-1/2" casing spear and rig up for free point. Released 4-1/2" casing slips. Ran free point @ 2500' = 100% free, @ 3394' = 70% free, @ 3565' = 60% free, and @ 3880' = 0% free.

Trip in hole and jet-cut casing @ 3400' KB. Pulled weight plus 20,000 pounds — casing came free.

Rig up 11" - 3M X 7-1/16" - 3M spool & BOP. Pulled 3400' KB 4-1/2" 11.6# N-80 casing.

10/26/92: Trip in hole w/6-3/4" bit and 7-5/8" casing scraper, tag 4-1/2" casing cutoff @ 3400'. Reverse circulate hole clean w/fresh water. Trip out of hole.

Pick up 7-5/8" fullbore packer and set @ 3381'. Establish injection rate of 1/3 to 1/2 BPM into 4-1/2 X 7-5/8" annulus @ 1300 psi. Pressure test 4-1/2" @ 1000 psi for 10 minutes. 0K.

Ran 7-5/8" wireline-set cement retainer to 3394' KB. Ran casing and cement evaluation tools. Tag retainer @ 3394'. Log up to 250'. Good 5000 psi compressive strength cement below and 3000 to 5000 psi compressive strength cement above proposed perforation interval. Good cement to surface and no indication of wall thickness erosion.

10/27/92: Trip in hole w/stinger. Establish injection rate below retainer of 1/3 to 1-7/8 BPM @ 1700 psi. Mix and pump 25 sx, Class G cement, yield 28 Cu.Ft., displace w/13./6 Bbl water. Sting out of retainer and reverse circulate hole.

Load hole w/KCl water. Spot 250 gallons 7-1/2% HCl w/additives 3394' to 3300' w/ KCl water.

Nipple down spool & BOP, nipple up tubing head and BOP. Pressure test 7-5/8" casing & tubing head to 2000 psi. OK.

Perforate Fruitland Coal @ 3308' to 3311', 3362' to 3375', 3380' to 3385' & 3388' to 3391'; total 25 feet. Total 75 holes, 0.45" diameter. No change in fluid level.

Run 2-3/8" tubing to 3276'. Nipple down BOP. Install Master valve on tubing.

10/28/92: Circulate hole w/nitrogen to unload water. Secure well. Shut down for winter.