

MURCHISON OIL AND GAS, INC.  
Jackson Unit #6  
Sec.21, T-24S, R-33E  
1650' FNL and 660' FEL  
Lea County, New Mexico

**PLUG AND ABANDON PROCEDURE**

September 15, 1999

**CASING:**

Surface	13 3/8" - 68#, K-55 ST&C	@ 800'	Cmt Cir.
Intermediate	9 5/8" - 40# S-95,L-80,N-80 LT&C	@ 5,223'	Cmt Cir.
Production Casing	7" - 29# P-110,S-95,N-80 LT&C	@12,606'	Cmt
Production Liner	4 1/2" - 15.1# P-110	12,100' to 13,903'	Cmt Cir.

**REFERENCE LOGS:**

Schlumberger - CNLD dated 7-03-1999  
Schlumberger - ALL dated 7-03-1999

**ELEVATION:** KB - 3603 DF - 3602 GL - 3582

**PBTD:** TD - 13,730' **NOTE:** ( collar locator and 3 1/8" csg gun in bottom of hole )

**PERFORATIONS:**

**A - Zone 13,166' - 168', 13,172' - 174', 13,221' - 225', 13,240' - 242', B - Zone 13,298' - 301', 13,304' - 307', 13,331' - 333', 13,334' - 336', 13,357' - 359'**

**EQUIPMENT:**

Tubing - 12,200'- 2 3/8" N-80 4.6# EUE 8rd  
Available for plugging

**PROCEDURE:**

1. Rig up electric line truck, w/ mass TIH w/ gauge ring and junk basket, GIH set CIBP at 13,000' and cap w/ 35' cmt via bailor. Blow down csg to pit.
2. RU plugging unit and pick up 12,900' of 2 3/8" tbg and TIH open ended, cir hole w/ 453 Bbls 10# salt gel.
3. Pick up 2 3/8" tbg to 12,266' and set 200' cmt plug, 100' above and below liner top.
4. Pull tbg up hole to 9,222' and set 50 sx cmt plug 50' above and below Bone Springs top.
5. POOH w/ tbg and Nd csg head, weld on pull nipple, set jacks and free point 7" 29# csg. Cut csg 100' above free point and POOH w/ same.

**NOTE ( Have csg picked up by Caprock Pipe and Supply for recondition.**