

HAPPY VALLEY '4' FED #22

11/05/97 Days- 77; Depth- 11855; FTG- 0; TIH SMOOTH OD CUT RITE SHOE; TD Basal Lower Morrow; TIH SMOOTH OD CUT RITE SHOE; MW- 10.3; Vis- 40; BHA as follows cut rite shoe 2.35 extension 7.72 bushing 1.41 xo 1.00 tbg sub 4.30 total BHA 16.78; 0630 hrs no pressure on tbg or csg, open well up. TIH 3 3/4 smooth OD cut rite shoe & roll into 4 1/2 liner, 36" pipe wrench, TIH slowly, no downward drag, rig up stripping rubber & power swivel & reverse circ @ 11404'. Ease into junk iron, tagged 2' high @ 11433' picked up, no drag, cutting plug to 11437, plugging pressure went from 600# to 1000# picked up, no drag, kicked pump out holding 700#, drilled plug to 11439, torque increasing picked up, no drag holding 1000# pump out drilled plug to 11440.7, torque increasing & pred plugged, picked up 4K drag for 2', holding 900# pump out. Bled off pres & TOH wet all way out, recovered 200 odd pieces of junk iron avg over 1/4" mass & 1/2" to 1" long 5 pieces 2" long & over 1/4" mass & 1 3/4" x 2" thin threaded piece of junk off liner sleeve. 1/2 gallon total TIH same smooth OD cut rite shoe 3 3/4" to 8500', shut well in. SDFN (1700 hrs)

TMC-\$ 63,409 TDC-\$ 3,722 CWC-\$ 1,231,301 CMIC- KJ

11/06/97 Days- 78; Depth- 11855; WORKOVER RIG; TD Basal Lower Morrow; WORKOVER RIG; MW- 10.3; Vis- 40; BHA as follows cut rite shoe 2.35 extension 7.72 bushing 1.41 xo 1.00 tbg sub 4.30 total BHA 16.78; 0630 hrs. No pressure on tbg or csg. Open well up & TIH, roll cut rite shoe into liner top @ 8962, 36" pipe wrench, TIH to 11433 & rig up stripping rubber & power swivel. Reverse circ 30 minutes, ease down & tagged on junk iron @ 11441', rotate on junk, 1K, SL torque & drill down to 11442', pick up, no drag. Drill plug to 11445, SL torque & starting to plug. Pick up, no drag. Drill to 11447 no torque & completely plugged, 4K on shoe, pick up, no drag. Made 6.3' total. TD 11447', TOH, cut rite shoe, wet string, workover unit broke down @ 1230 hrs, 11-5-97; Right angle drive out repairs underway, estimate 1 1/2 days to repair. Shut well in & install TIW in tbg. Cut rite shoe @ 2666' in 7" casing.

TMC-\$ 63,409 TDC-\$ 2,615 CWC-\$ 1,233,916 CMIC- KJ