



SUMMARY REPORT

4/2/98

HAPPY VALLEY '4' FED #22

11/03/97 Days- 75; Depth- 11855; TIH SAW TOOTH SHOE & EXT WIRES; TD Basal Lower Morrow; TIH SAW TOOTH SHOE & EXT WIRES; MW- 10.3; Vis- 40; Bit#- 14; SN- A17369; Size- 3 3/4; Mfg- 1T; Type- Walmac; Jets- center; In- 11427; Out- 11427; Hrs- .5; T/B/G- 1/1/in; BHA(ft)- 176.60; 0630 hrs-No press on tbq or csg, open well up. Finish TIH bit #14 & 6 2 7/8 DC's. Roll bit into liner top @ 8962 & TIH. Pick up stripping rubber & power swivel @ 11420 & reverse circ. Rotate power swivel & tagged 1' high @ 11426, slight torque & no weight; had junk above bit when picked up & traveled 8' with bit before cleared weight. Circ gas out. TOH picked up 3 1/2" OD saw tooth shoe & 3 1/2 OD extension & TIH to 8500'. Shut well in & SDFN. 1630 hrs. Note: Bit #14 had 1 broken tooth on middle row. Shoe has 4 rows of off set wires.

DMC-\$ 0 TMC-\$ 63,409 TDC-\$ 2,872 CWC-\$ 1,224,112 CMIC- KJ

11/04/97 Days- 76; Depth- 11855; TIH SMOOTH OD CUT RITE SHOE; TD Basal Lower Morrow; TIH SMOOTH OD CUT RITE SHOE; MW- 10.3; Vis- 40; Cut rite shoe 2.35 extension 7.72 bushing 2.41 xo 1.00 tbq sub 4.30 total bha 16.78; 0630 hrs-No pressure on tbq or casing. Open well up. Finish TIH & roll saw tooth shoe into liner top @ 8962', TIH to 10573. Rig down for repair to frayed tie back on drlg line. WO welder, down 2 hours total for repair. TIH to 11397, reverse circ gas out @ 11397, 800# @ 48 SPM. Tagged @ 11428 (364 jts tbq & BHA 17.71') Drilled to 11429, SL torque, picked up & dragged 8K over, weight cleared @ 11424. Drilled to 11430. SL torque. Picked up, no drag. Drilled to 11432, SL torque, picked up, no drag. Drilled to 11434, increasing torque. Picked up 10K drag for 2', cleared weight. Drilled to 11435, torque-plugging, picked up, 10-12K drag for 3'. Cleared weight. TOH wet halfway out then went dry. Recovered 1' of broken cement & 2 1/2" pieces of junk iron. 1/4" mass. Pick up 3 3/4" OD (smooth OD). Cut rite shoe. 3 1/2" OD body (2.35'); 3 1/2" OD extension (7.72'); Bushing (1.41'); xo (1.00'); tbq sub (4.30'); total BHA 16.78'. Cut rite shoe has 4 sets of off set wires. TIH to 8500'. Shut well in. SDFN @ 1700 hrs.

DMC-\$ 0 TMC-\$ 63,409 TDC-\$ 3,467 CWC-\$ 1,227,579 CMIC- KJ