

Attachment to 3160-5

Roaring Springs "14" Fed Com #5
Sec. 14, T 21S, R 23E
1980' FNL & 660' FEL (H)
API # 30-015-28302

- 7-16-99 TIH, test mtr. PU Kelly, wash thru window & 60' to btm. Slide/drlg 8049-8084'. Rot drlg 8084-8147. Slide drlg 8147-8170. Rot drlg 8179-8147.
- 7-17-99 Drlg, slide & rotate to maintain 95° + of angle & to achieve 270° direction from 8225-8490'.
- 7-18-99 Drlg, slide & rotate to maintain 96° + of angle & to achieve 270° direction from 8490-8748'.
- 7-19-99 Drlg from 8748-8842'. TOOH, change out motor & MWD. TIH to window, load pipe & wash thru window. Drlg 8842-8848'.
- 7-20-99 Drlg, slide & rotate to maintain 100° + of angle & to achieve 270° direction from 8848-9334'.
- 7-21-99 Drlg, slide & rotate to maintain 100° + of angle & 270° direction from 9334-9880'.
- 7-22-99 Drlg, attempt to maintain 100° + of angle & achieve 270° direction from 9880-10,072'. RU power swivel, did not work, RD swivel. Drlg from 10,072-10,113'.
- 7-23-99 Drlg from 10,113-10,135'. Pump sweeps, circ btms up & reciprocate pipe. TOOH. LD motor, MWD. RD Halliburton & release.
- 7-24-99 RU for acid job. Work coiled tbg to 9471'. Acidize borehole in 4 stages injecting 347 bbl 20% HCl, 242 bbl foaming fluid, 234,700 SCF Nitrogen. RD coiled tbg unit, pmp truck, nitrogen truck & release BJ.
- 7-25-99 RIH fish whipstock, POOH w/ whipstock. TIH w/ retrieving head, latch onto pkr, release pkr, POOH w/ pkr. TIH w/ mill & DP to 8069', TOOH.
- 7-26-99 Release Patterson Rig #80.

- 8-1-99 PU & RIH w/ 7500' 2 7/8" tbg, POOH.
- 8-3-99 RIH w/ 40' shroud, PSI, 125 HP motor, combination protector, AGH, DN-1100 pump, 263 jts 2 7/8" tbg at 8016'.
- 8-4-99 Rig down. Put well on production.