

(Cont'd)

8-31-90 Pick up new short catch overshot with 4-3/4" grapple, TIH, tag fish at 3084', push fish down hole, pick up with 10,000# drag and 400 psi pump pressure.

9-01-90 7" casing at 2940'; open hole 2940-3278'.

TIH to circulate gas out of hole.

Fish on drill collars with short catch overshot.

POOH with overshot, recover 2.20' of 4-3/4" drill collar.

Pick up short catch overshot with 4-3/4" grapple, TIH, circulate @ 2940'. Fish at 3062', catch fish, pull 15,000# over; pulled fish up hole 8'. POOH with overshot, recovered no fish.

Mix mud to build volume to 10.1 ppg and viscosity 52 sec.

TIH with 6-1/8" overshot with 4-5/8" grapple with mill guide. Circulate and wash fill from 3067-3105'; did not tag fish; overshot stopped at 3105', high torque.

POOH. Got gas kick with drill collars 330' in hole. Mix mud to 10.4 ppg, strip in hole to 2940' to circulate gas out of mud.

9-02-90 7" casing at 2940'; open hole 2940-3278'.

Milling on fish at 3120'.

Circulate and work gas from hole at 2940'.

POOH with overshot, overshot rolled in on bottom, no indication of being on metal.

Pick up 6-1/4" RR bit, RIH to 3027', pick up swivel and circulate hole. TIH to 3104', tag fill, clean out to top of fish at 3109'. Circulate and condition hole. POOH, TIH with concave mill, tag fish at 3109'.

Mill on fish to 3112', mill 3' of 4-3/4" drill collar, then shale, siltstone and coal to 3120'.

9-03-90 7" casing at 2940'; open hole 2940-3278'.

Circulating and working pipe at TD with 1 MM air and 2 BPM water.

Mill down beside fish at 3120-3134'.

(Cont'd)

9-03-90 POOH with mill, outside of mill rounded . Break out and lay down fishing tools, pick up 6-1/4" bit, bit sub, string float, one 4-3/4" drill collar, N nipple, nine 4-3/4" drill collars, 1 jt 3-1/2" drill pipe, F nipple, and safety sub (overall length = 312.79'). TIH to 3091', circulate and wash to 3134'. Circulate and condition hole with mud weight 10.3 ppg, viscosity 54 sec.

Displace mud with water.

Circulate and work pipe at 3134' with 5 BPM water. Well unloaded, reduced water rate 1 BPM every 2 hours. Returns light 1/16" and smaller coal (98%) in gray to clear water.

Circulate and work pipe at TD with 1 MM air and 2 BPM water. Returns light 1/16" and smaller coal in clear water.

9-04-90 7" casing at 2940'; open hole 2940-3278'.

Circulating and working pipe at TD with 1 MM air and 2 BPM water.

Circulate and work pipe at TD with 1 MM air and 2 BPM water with 5 Bbl water sweeps hourly. Returns very light 1/16" and fines in clear water.

Circulate and work pipe at TD with 1 MM air and 2 BPM water. Returns light 1/16" and coal fines in clear water.

9-05-90 7" casing at 2940'; open hole 2940-3278'.

Circulating and working pipe at 3134' with 1-1/2 BPM water with 5 Bbl water sweeps hourly.

Circulate and work pipe at 3134' with 2 MM air and 2 BPM water. Returns light 1/16" and smaller shale and siltstone in cloudy water.

Pull 3-1/2" drill pipe into 7" casing at 2940'. Pitot gauge well through 2" line: 1/4, 1/2, and 3/4 hr - 40 psig, 4653 MCFD (mist); 1 hr - 45 psig, 5099 MCFD (wet).

Shut in test: 1/4 hr - 720 psig; 1/2 hr - 1060; 3/4 hr - 1140; 1 hr - 1200 psig. Surge well with 1200 psig.

TIH, found 25' fill. Wash and ream to 3134' with 2 MM air and 2 BPM water. Returns 1/16" coal, shale and siltstone in black water (mud cut).