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9-05-90 Circulate and work pipe at 3134' with 2 MM air and 1-1/2 BPM water with 5 Bbl water sweeps hourly. Returns light 1/16" coal fines, shale and siltstone in cloudy water; black water on sweeps (heavily mud-cut).

9-06-90 7" casing at 2940'; open hole 2940-3278'.

Mixing mud, lost 200 Bbls to formation.

Circulate and work pipe at TD with 2 MM air and 1-1/2 BPM water with 5 Bbl water sweeps hourly. Returns light 1/16" and coal fines in brown to black mud-cut water.

Lay down 7 jts 3-1/2" drill pipe, gauge well through 2" line: 1/4 hr - 40 psi, 4653 MCFD; 1/2, 3/4, and 1 hr -45 psi, 5099 MCFD (mist).

Shut in test: 1/4 hr - 630 psi, 1/2 hr - 1000 psi; 3/4 hr - 1120 psi; 1 hr - 1200 psi. Surge well with 1400 psi, lost 2000# string weight, well flowing back through drill pipe.

Wait on Jay Wireline. Rig up Jay Wireline, gauge ring stopped at 2936'. Run blind box to 2940'. Wait on mud and clean pits.

Mix and condition mud to 10.2 ppg and 52 sec.

Pump mud to kill well. Circulate and condition mud to 10.4 ppg and 54 sec.

POOH, pin broke on N nipple above first collar. Fish consists of one 4-3/4" drill collar, string float, bit sub, and bit. Rig down Jay Wireline.

TIH with overshot (5-3/4" OD with 4-3/4" grapple), bumper sub, jars, string float, ten 4-3/4" drill collars, accelerator (overall length = 337.68'), and 83 jts 3-1/2" drill pipe. TIH to 2927'.

Build mud volume; losing mud to hole slowly; reducing mud weight.

9-07-90 7" casing at 2940'; open hole 2940-3278'.

POOH with fishing tools.

Mix mud volume to 10.2 ppg and 52 sec viscosity. Wash from 2927-3069', tag metal at 3069', push junk down hole to 3096', try to catch fish, had 12,000# drag for 10'.

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9-07-90 POOH, no recovery, overshot had no marks indicating it was over fish.

Pick up RR Smith Tool Co., 6-1/4" FDT (jets: 20-20-20), bit sub, string float, ten 4-3/4" drill collars, F nipple and TIH to 3091'. Tag fill, wash down 7' past top of fish.

Circulate and condition hole and mud. POOH.

TIH with 5-3/4" overshot with 4-3/4" grapple with wall hook skirt to 3064'.

Wash to 3091', fish for drill collar, unable to hook it, wash down to 3094'.

Drop bomb on knuckle jt, unable to hook drill collar with wall hook, wall hook sweeps 2-1/2 diameter circle. No torque or wall drag from 3061-3091'.

POOH with fishing tools.

9-08-90 7" casing at 2940'.

Milling on fish from 3104-3117'.

Lay down fishing tools.

Pick up 6-1/4" RR FDT bit and ten 4-3/4" drill collars and TIH.

Work past junk in hole from 3094-3110'; running 1200 ft/lbs torque, 2000# WOB, and 500 psi. Mud weight 10.0 ppg, viscosity 48 sec. Made 16' in 11 hours at 3110', pipe torquing, no penetration for 1 hour. No torque and drag from 3083-3110'.

Condition mud, POOH, bit 1" out of gauge. Pick up 6-1/4" Howco super mill, bit sub, jars, and 10 drill collars and TIH, tag fish at 3104'.

Load drill pipe and circulate hole to condition mud to 10.0 ppg and 55 sec viscosity.

Mill on fish from 3104-3117', returns 75% shale, 10% siltstone, 10% coal, 5% metal. Running 2,000-4,000# WOB, 100 RPM, 1500-2000 ft/lbs torque, and 300 psi pump pressure.