



Worked casing free from 1973' then pulled and laid down 63 joints.

T.I.H. with overshot, picked up top of cut off 4 1/2" casing at 1973'.

15,000# above string weight casing pulled free.

T.O.H. recovered and laid down 34 joints of 4 1/2" casing, casing had parted immediately above coupling. Last 20 joints pulled were very corroded with a hole in casing 4' above part, approximately 3" in diameter.

T.I.H. with overshot to pick up 4 1/2' coupling. Top of 4 1/2" casing at 3028'.

Latched onto casing with overshot. Stretch charts indicate casing free to 3300'.

Attempted to back off, casing parted at 3153'.

T.O.H. and laid down 4 joints 4 1/2" casing.

T.I.H. with overshot, latched onto 4 1/2" casing at 3153' and attempted to back off again.

Casing parted at 3157', laid down 4' segment of casing.

T.I.H. with 175' of 7" washpipe on 4 1/2" drill pipe.

Washed over 4 1/2" casing and conditioned hole to 3338'.

T.O.H. with washpipe to install 4 1/2" outside cutter on 7" washpipe.

T.I.H. with cutter on 7" washpipe, cut off 4 1/2" casing at 3294'.

T.O.H. with cut off casing inside of 7" washpipe.

Casing recovered had one hole in it at 3168' and good casing from that point to 3294'.

T.I.H. with 4 1/2" drill pipe and 7" washover shoe to condition hole to 3294'.

T.O.H. and laid down 4 1/2" drill pipe.

Ran new 4 1/2" 10.5# J-55 seamless casing to 3294' with Bowen casing patch on bottom. Latched on to 4 1/2" casing in hole. Picked up to set seal in casing patch.

Landed casing on slips with 60,000# strain.

Rigged down rotary rig.

9-6-94 Rigged up completion rig.

Picked up and ran 2 3/8" tubing with globe basket to recover fish previously left in hole.

Tagged fill at 6937'.

Circulated down - tagged fish at 7515'.

Circulated over fish and circulated down to 7565'.

T.O.H. with 2 3/8" tubing and globe basket recovered fish (swab cup with bolt).

T.I.H. with 2 3/8" tubing and seating nipple.

Tagged fill at 3350'.

T.O.H. with 2 3/8" tubing and seating nipple.

T.I.H. with tubing and 3 7/8" bit.

Tagged fill at 3800'.

Circulated down to 4160', getting back drilling mud,, cuttings and formation fines.

T.O.H. with tubing and bit.

T.I.H. with tubing and saw-tooth collar on bottom.

Circulated down to 5286' - plugged tubing.

T.O.H. with tubing pulling wet string. Tubing was plugged with shale and drill cuttings.

It is apparent now that either the casing patch is not holding or we have a hole in the casing below the casing patch.

9-9-94 Acquired verbal approval from BLM to cement casing.

Attempted to run gauge ring on wireline.

Gauge ring stopped at 3647'.

Pulled gauge ring.

Ran bridge plug to 5280' on 2 3/8" tubing.

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Bridge plug bumped through spot at 3647', possible hole.

T.O.H. with tubing.

T.I.H. with tubing and cement retainer to 3261'.

Set cement retainer and broke circulation to bradenhead thru hole below cement retainer at 3261'.

**Note:** (Estimate hole in casing to be approximately 3650'.)

Squeezed out of hole and circulated to surface with 900 sacks of 50/50 Poz. 2% D20 gel with 12 1/2# D42 per sack followed by 50 sacks neat cement.

Circulated 7 1/2 bbls. good cement thru bradenhead.

Shut down, waiting on cement over weekend.