

IW 32dd-10-65 Well History

June 25, 2005 – Mix mud and spud well with 12 ¼" bit. Drill and survey to 486'. Circulate and trip out to pick up hole opener. Mud weight = 8.8, Viscosity = 39.

June 26, 2005 – Open hole to 17 ½" from bottom of conductor to 486'. Wipe hole to surface. Mud weight = 8.9, Viscosity = 70.

June 27, 2005 – Condition hole. Trip out of hole to run casing. Run 12 jts, 13 3/8", 43#, J-55 casing to 442'. Conduct safety and procedure meeting. RIH with stab in tool on drill pipe. Space out drill pipe. Rig up head. Wait on Halliburton cementers. Rig up Halliburton and cement casing with 270 sx of type III cement. Land casing at 483'. Cement to surface.

June 28, 2005 – Wait on cement. Cut off conductor and weld on casing bowl. Test wellhead to 750 psi. Weld leaked on outside. Grind out and re-weld. Retest for 10 minutes. Test held. Nipple up BOPE. Function test BOP.

June 29, 2005 – Test blind rams, casing, weld, and casing bowl. Make up 12 ¼" bit and trip in hole. Tested BOPE as per regulation. Pressure test pipe rams, Kelly cock, stand pipe valve. All OK. Drill out 13 3/8" casing shoe and new hole to 510'. Trip out of hole and pick up 8 ¾" bit and directional tools. Drill ahead to 1169'. Mud weight = 8.9, Viscosity = 36.

June 30, 2005 – Drill 8 ¾" hole to 1293'. Circulate and trip out of hole. Pick up directional tools and trip in hole. Drill ahead to 1520'. Wiper trip to 1293'. Drill ahead to 1528'. Hole angle 15 degrees. Mud weight = 9.0, Viscosity = 42.

July 1, 2005 – Directionally drill ahead. Survey, slide and rotate as needed. Change out top shaker screen. Drill to TD at 2578'. Hole angle 44 degrees. Mud weight = 9.2, Viscosity = 70.

July 2, 2005 – Conduct safety meeting. Circulate hole. Wiper trip to surface casing. Circulate bottoms up. Trip out and lay down directional tools. Rig in Halliburton Logging unit and log well as per program. Rig down Halliburton. Mud weight = 9.0, Viscosity = 36.

July 3, 2005 – Run in hole with 12 ¼" hole opener. Open hole to 12 ¼" from 501' to 1543'. Mud weight = 9.0, Viscosity = 40.

July 4, 2005 – Open hole to 12 ¼" from 1543' to 2196'. 20 std wiper trip. Circulating hole clean. Mud weight = 9.2, Viscosity = 115.

July 5, 2005 – Safety meeting. Make 16 stand wiper trip. Tight spot 8 stds off of bottom. Work tight spot. Circulate and condition mud and hole. Make 22 stand wiper trip. Hole slightly tight 8 stds from bottom. Circulate hole clean. Make 10 std wiper trip. Hole good, no tight spots. Circulate and wait on Halliburton cementers. Mud weight = 9.1, Viscosity = 53.

July 6, 2005 – Circulate and wait on Halliburton cementers. Wiper trips and circulate. Wait on Halliburton. Mud weight = 9.1, Viscosity = 53.

July 7, 2005 – Safety meeting. Circulate and wait on Halliburton cementers. Trip out of hole for casing. Rig up and run 9 5/8", 36#, J-55, LT & C with AB modified couplings to 2191'. Run annulus casing packer with element at 2176' to 2166'. Circulate casing and wait on Halliburton.

July 8, 2005 – Conduct safety meeting. Rig up Halliburton and cement casing with lead slurry of 150 sx type III mixed with 2% Calseal + 2% CaCl₂ + 5.2#/sx salt + .3% Versaset + 5#/sx gilsonite + 5% microbond. Tail in 400 sx mixed with 1.16#/sx KCl + 10% microbond + .3% 344 + .6% CFR + .5 D-Air. Attempt to inflate casing packer. Float held, plug will not seat. Nipple down BOPE and install casing slips. Cut off casing and install secondary packing ring and tubing spool. Test tubing hanger spool to 1000 psi. Nipple up BOPE and function test. Trip in hole with 8 ¾" bit.

July 9, 2005 – Conduct safety meeting. Trip in hole and tag plug at 2189'. Attempt to pressure up on casing string. Plug still leaking. Trip out of hole. Wait on packer. Trip in hole with 9 5/8" packer. Set packer at 2180'. Pressure up on casing. Pressure held. Inflate ACP. Pressure test casing and BOPE to 2000 psi. Trip out with packer and lay down. Trip in hole with bit and drill plug and basket shoe. Mud weight = 9.0, Viscosity = 33.

July 10, 2005 – Conduct safety meeting. Drill out 9 5/8" shoe. Trip in hole to 2578' and circulate. Trip out of hole with drill pipe. Trip in with 2 7/8" tubing on drill pipe to 2490'. Mix and spot 70 sx cement plug from 2490' to 2268'. Trip out and lay down tubing. WOC.

Mud weight = 9.0, Viscosity = 43.

July 11, 2005 – Conduct safety meeting. WOC. Rig in Halliburton wireline and run casing inspection and bond log. Logs stop at 2109'. Lay down tools. Pick up bit and drill string and trip in hole. Circulate and condition cement out of mud. Trip out drill string. Rerun wireline tools. Can't get past 1609'. Lay down logging tools and trip in hole. Mud weight = 9.0, Viscosity = 43.

July 12, 2005 – Conduct safety meeting. Trip in with 8 3/4" bit to 2193'. Circulate and condition mud. Rig up Halliburton and run casing inspection log and cement bond log from 2193' to surface. Lay down Halliburton. Trip in hole with 8 3/4" bit and tag cement at 2257'. Polish plug to 2286'. Circulate and trip out. Pull into casing. Swap out mud to salt polymer. Circulate and condition mud and hole. Trip out of hole. Pick up and trip in hole with 17 1/2" under reamer. Mud weight = 8.5, Viscosity = 36.

July 13, 2005 – Conduct safety meeting. Under ream from 2193' to 2286'. Circulate hole clean. Trip out of hole into casing. Wait 1 hour. Trip to bottom. No fill. Displace hole with filtered salt water. Trip out and lay down under reamer. Rig up casing tools and pick up 3 jts., 112' of 6 5/8", 24#, J-55 of Baker Excluder liner. Hang off liner from 2286' to 2107'. Land tubing and test annulus to 1000 psi. Pull stinger out of double flapper valve and circulate breaker into liner. Mud weight = 8.5, Viscosity = 36.

July 14, 2005 – Conduct safety meeting. Trip out with liner hanging tools and lay down drill string and tubing string. Rig up and run 7", 23#, J-55 LT & C tubing string with 15' seal assembly, 1 jt 7" tubing, and annular valve, 49 jts. 7" tubing, 1 10', 7", pup jt, and tubing hanger. Test packer and seal assembly to 100 psi. Unseat seal assembly and circulate inhibited water into annulus. Reset tubing and test annulus to 1000 psi. Lock down hanger and install back pressure valve.

July 15, 2005 – Nipple down BOPE. Nipple up wellhead and test cavity to 1000 psi. Secure wellhead and release rig.