IW 42dH-10-65 Well History

July 21, 2005 – Mix mud and spud well with12 ¼" bit. Survey at 165'.

July 22, 2005 – Drill ahead. Lose circulation at 135' - 215'. Drill to TD at 445'. Continuing to lose mud. Reamed 12 ¼" hole 17 ½" from surface to 378'.

July 23, 2005 – Ream hole to 17 ½" from 378' to 445'. Condition hole. Run 11 jts, 13 3/8", 43#, J-55 casing to 442'. RIH with stab in tool on drill pipe. Rig up Halliburton and cement casing with 270 sx of type III cement. Loss of circulation. Did not get cement returns to surface.

July 24, 2005 – Wait on cement. Rig up and run 1" pipe down annulus and tag cement top at 55' below KB. Rig up Halliburton and cement casing with 50 sx. Wait on cement. Cut off conductor and weld on casing bowl. Test wellhead to 750 psi. Nipple up BOPE. Function test BOP. Tested BOPE as per regulation. DOGAMI unable to witness.

July 25, 2005 – Pressure test pipe rams, Kelly cock, stand pipe valve. All OK. Drill out 13 3/8" casing shoe. Trip out of hole and pick up 8 ¾" bit and directional tools. Drill ahead to 1450' as per directional program. Mud weight = 8.7, Viscosity = 49.

July 26, 2005 – Drill ahead as per directional program to 2400'. Hole angle 73 degrees. Mud weight = 8.9, Viscosity = 49.

July 27, 2005 – Drill ahead to 2446'. Hole angle 72 degrees. Circulate sample from bottom. Drill to 2478'. Circulate. TD intermediate hole. Project angle at TD is 74 degrees. Trip out and lay down directional tools. Trip in hole with 12 1/4 " hole opener. Open hole from 442' to 1106'. Mud weight = 8.9, Viscosity = 39.

July 28, 2005 – Open hole to 12 ¼" from 1106' to 2131'. Mud weight = 9.0, Viscosity = 66.

July 29, 2005 – Open hole to 12 ¼" from 2131' to 2439. Circulate hole clean. Trip out of hole and inspect hole opener. Trip in hole. Circulate large amount of cuttings on initial circulation. Circulate and condition hole for logs. Wiper trip to shoe. Mud weight = 9.2, Viscosity = 57.

July 30, 2005 – Trip out hole for logs. Safety meeting. Lay down hole opener. Rig up Halliburton and log as per program. Pick up hole opener and run in hole and wait on cementers. Spot gel pill on bottom. Trip out for casing. Mud weight = 9.2, Viscosity = 73.

July 31, 2005 – Trip out of hole for 9 5/8", 36#, J-55, LT & C casing. Rig up and run 48 jts. Hole is tight on #49. Rig up to circulate casing. Casing packed off. Attempt to circulate and pump clutch failed. Rig up Halliburton and circulate. Lay down 1 jt of casing. Work casing and attempt to circulate. Pull casing and lay down 3 jts. Mud weight = 9.0, Viscosity = 45.

August 1, 2005 – Work tight casing. Establish full circulation and work mud ball off of annulus casing packer. Wash casing to bottom. Condition mud and hole to cement. Rig up Halliburton and cement casing with lead slurry of 160 sx type III mixed with 2% Calseal + 2%CaCl2 + 5.52#/sx salt + .3% Versaset + 5#/sx gilsonite + 5% microbond. Tail in 450 sx mixed with 1.16#/sx KCl + 10% microbond + .3% 344 + .6% CFR + .5 D-Air. Inflate casing packer. Cut off casing and install secondary packing ring. Clean up cement. Mud weight = 9.0, Viscosity = 45.

August 2, 2005 – Nipple up BOPE and related equipment. Test blind rams. Repair leak. Retest and pressure held. Test all BOPE equipment and held. Trip in hole with 8 ¾" bit. Drill out cement from 2275' to 2448'. Clean out hole to 2471'. Circulate and trip out into casing. Clean mud tanks. Mud weight = 9.0, Viscosity = 45.

August 3, 2005 – Conduct safety meeting. Clean mud tanks. Fill tanks with drill in fluid from storage. Circulate and condition fluid to drill sand section. Trip out of hole and pick up directional tools. Trip in hole and drill ahead from 2472' to 2949. Drilling at 90.6 degrees. Mud weight = 8.8, Viscosity = 34.

August 4, 2005 – Conduct safety meeting. Drill to 3134' (TD). Circulate hole clean. Trip out of hole into casing. Trip to bottom. Circulate and condition fluid and hole. Trip out of hole and lay down directional tools. Pick up slick string and bit and trip in hole. Circulate at 9 5/8" shoe and wait on Halliburton logging unit. Mud weight = 8.8, Viscosity = 33.

August 5, 2005 – Conduct safety meeting. Trip in hole to 3134'. Circulate. Trip out of hole for logging. Rig up Halliburton and run

cased hole logs. Pick up open hole tools. Trip in tools to 3117'. Log horizontal section with drill pipe push. FMI tool failed. Relog from 3117' to casing shoe. Mud weight = 8.8, Viscosity = 33.

August 6, 2005 – Conduct safety meeting. Continue logging with Halliburton. Trip out of hole with logging tools and lay down same. Trip in hole with bit and drill string. Displace hole with 8.8 lb/gal filtered KCl water. Trip out of hole. Rig up to run liner. Mud weight = 8.8, Viscosity = 33.

August 6, 2005 – Conduct safety meeting. Pick up 20 jts., 753' of 6 5/8", 24#, J-55 of Baker Excluder liner. Hang off liner from 3132' to 2357'. 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 16' seal assembly and annular valve. Space out tubing and test annulus to 1000 psi. Spot inhibited fluid in annulus. Fill tubing with fresh filtered water. Land tubing and test annulus to 1000 psi. Nipple down BOPE and install production tree. Test wellhead. Cavity leaks. Release rig. Left BPV in place until leak fixed.

August 24, 2005 – Vetco Service hand on site and replaced o-rings and repaired leaky wellhead. Well ready for testing.