

6/13/2013

SICP: 60 PSI. SITP: 60 PSI.

R/U WORKOVER RIG. R/U 3" FLOW BACK LINES. R/U CIRCULATING LINES. SPOT IN EQUIPMENT ON LOCATION.

SICP: 60 PSI. SITP: 60 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK. N/D WELL HEAD. CALLED FOR A 6" 600 PSI BLIND FLANGE TO CAP OFF FLOW LINE NEXT TO WELL HEAD. BLED DOWN FLOW LINE FROM WELL HEAD TO SEPARATOR.

N/U 7 1/16" 5K CLASS III BOPE. R/U HYDRAULIC LINES TO 8 STATION ACCUMULATOR SYSTEM.

BROKE OUT 7 1/16" 5K ANNULAR, INSTALLED 7 1/16" 5K SINGLE GATE BOPE W/5 1/2" RAMS, & RE-INSTALLED 7 1/16" 5K ANNULAR.

R/U HYDRAULIC RIG FLOOR. PREPPED FLOOR FOR POOH WITH 2 7/8" PRODUCTION TUBING. CALIPERED 2 7/8" TUBING ELEVATOR ID, DOCUMENTED ON FORM.

TEST 2-2 7/8" FULL OPENING SAFETY VALVES--GOOD. N/D FLOW LINE RISER & INSTALLED 6" 600 PSI BLIND FLANGE ON FLOW LINE. SPOT IN & R/U WSI BOPE TEST TRUCK. TEST 7 1/16" BOPE TO 250 PSI/LOW & 2250 PSI/HIGH--2 7/8" PIPE RAMS & BLIND RAMS TESTED GOOD, COULD NOT GET ANNULAR TO TEST. NOTE: COULD NOT GET ANNULAR RUBBER TO RELAX TO FULL OPENING POSITION--ATTEMPTED SEVERAL PRESSURE SETTINGS & CLOSING/OPENING CYCLES, BUT ANNULAR RUBBER WOULD NOT OPEN COMPLETELY. R/D WSI BOPE TEST TRUCK. N/D ANNULAR, SENT FOR REPAIRS. RE-INSTALLED WASHINGTON HEAD ON 7 1/16" 5K SINGLE GATE BOPE W/5 1/2" RAMS, LOWERED RIG FLOOR, INSTALLED 2 7/8" L&ING SUB INTO HANGER, P/U ON 2 7/8" TUBING, REMOVED TWO WAY CHECK IN HANGER TOP, RE-I & TIRING HANGFR IN TIRING HEAD PROFIL F

6/14/2013

SICP: 60 PSI. SITP: 60 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

N/U RE-DRESSED 7 1/16" 5K ANNULAR BOPE. N/U 7 1/16" 5K DRILLING HEAD.

SPOT IN HYDRA WALK & PIPE RACKS, LEVELED ALL EQUIPMENT. PREPPED TO POOH WITH 2 7/8" TUBING.

OFF LOAD 10-3 1/2" SLICK DRILL COLLARSTO PIPE RACKS. OFF LOAD 95 JTS 2 7/8" AOH DRILL PIPE TO PIPE RACKS.

POOH LAYING DOWN 84 JTS 2 7/8" J-55 PRODUCTION TUBING. NOTE: TUBING IN EXTREMELY POOR CONDITION DUE TO CORROSION. THE 6TH JOINT COUPLING POOH WAS ONLY HELD TOGETHER BY A 1/2" PIECE OF CONNECTED STEEL. THIS COUPLING BROKE IN TWO WHEN WE ATTEMPTED TO BREAK OUT THE JOINT.

OFF LOAD 84 JOINTS 2 7/8" J-55 PRODUCTION TUBING OFF HYDRA WALK PIPE RACKS ONTO TUBING TRAILER & SENT TO TUBOSCOPE. MOVED 10-3 1/2" SLICK DRILL COLLARS & 95 JTS 2 7/8" AOH DRILL PIPE TO PIPE RACKS

NEXT TO HYDRA WALK. REMOVED THREAD PROTECTORS - TALLIED DRILL COLLARS & DRILL PIPE. MEASURED -

CALIPERED 6 1/4" C/O BHA.

SECURED & SHUT IN WELL FOR EVENING. CAPPED ALL UNUSED VALVES.

6/17/2013

SICP: 70 PSI. BLOW DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 6 1/4" BIT, BIT SUB WITH FLOAT INSTALLED, 10-3 1/2" SLICK DRILL COLLARS, X-OVER, & 77 JTS 2 7/8" AOH DRILL PIPE TO TAG DEPTH @ 2715' (3' OUT ON JT 77).

P/U & R/U 2.5 POWER SWIVEL PACKAGE. R/U SECOND 3" FLOW BACK LINE OFF MUD CROSS TO FLOW BACK TANK. INSTALLED 2 7/8" IF BOX X 2 7/8" AOH PIN SAVER SUB BELOW KELLY VALVE ON POWER SWIVEL. P/U & MAKE UP JT 77 WITH STRING FLOAT BETWEEN JT 76 & JT 77.

WITH 6 1/4" BIT BHA @ 2686', BROKE CIRCULATION RUNNING TWO FOAM UNITS @ 1600 CFM AIR, 1 GAL/20 BBLS SURFACTANT, 2 GALS/20 BBLS CORROSION INHIBITOR, 10 BBLS 2% KCL/HR TOTAL FLUID, .5 GAL/20 BBLS EZ MUD, & 2 GALS/20 BBLS SHALE TREAT. BROKE CIRCULATION, BUT RETURNS WERE POOR. INCREASED 2% KCL TO 16 BBLS/HR TOTAL FLUID.

CLEAN OUT COAL FROM 2715'-2719'--EXTREMELY DIFFICULT TIME MAINTAINING CIRCULATION. FINALLY GOT FLUID/FOAM SYSTEM LINED OUT @ 3:45 PM.

CIRCULATE WELL CLEAN. CUT MIST. BLED OFF TUBING PRESSURE TO SECOND STRING FLOAT. R/U CIRCULATING LINES & RIG PUMP.

KILLED TUBING PUMPING 10 BBLS 2% KCL.

POOH LAYING DOWN 5 JTS 2 7/8" AOH DRILL PIPE. CHANGED FAULTY 2" BALL VALVE ON CIRCULATING MANIFOLD.

SECURED & SHUT IN WELL FOR EVENING. CAPPED ALL UNUSED VALVES.

6/18/2013

SICP: 75 PSI. SIDPP: 15 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 6 1/4" BIT BHA ON 2 7/8" AOH DRILL PIPE FROM 2562'-2594' (74 JTS IN; INSTALLED STRING FLOAT BETWEEN JT 72 & JT 73)

WITH 6 1/4" BIT @ 2594', BROKE CIRCULATION RUNNING TWO FOAM UNITS @ 1600 CFM AIR, 1 GAL/20 BBLS SURFACTANT, 2 GALS/20 BBLS CORROSION INHIBITOR, 20 BBLS 2% KCL/HR TOTAL FLUID, .5 GAL/20 BBLS EZ MUD, & 2 GALS/20 BBLS SHALE TREAT.

RIH WITH 6 1/4" BIT BHA FROM 2594'-2625'. WELL CIRCULATING GOOD.

CONTINUED RIH WITH 6 1/4" BIT BHA FROM 2625'-2715' (77 JTS IN) TAG DEPTH. POOH TO 2688'. WITH 6 1/4" BIT BHA @ 2688', RE-BROKE CIRCULATION.

C/O WITH 6 1/4" BIT BHA ON 2 7/8" AOH DRILL PIPE FROM 2688'-2715' TAG. CLEANED OUT COAL FROM 2715'-2719'. RETURNS CONTAINED +-1 CUP COAL/5 GALS FLUID SAMPLED.

MAKE UP JT 78 & C/O COAL FROM 2719'-2750' (FOUND LEDGE @ +2730'; RETURNS CONTAINED +-1 CUP COAL/5 GALS FLUID SAMPLED).

MAKE UP JT 79 & C/O FROM 2750'-2770' (11' OUT ON JT 79; EXTREMELY TIGHT HOLE FROM 2765'-2770'). C/O PAST TIGHT HOLE FROM 2765'-2770', BUT WELL UNLOADED COAL ONCE WE FELL THROUGH--RETURNS WERE .5-1.0 GAL COAL/5 GALS FLUID SAMPLED. CIRCULATE WELL CLEAN.

CUT MIST ON FOAM UNITS, BLEW TUBING DRY, & BLED DOWN TUBING PRESSURE. POOH LAYING DOWN 7 JTS 2 7/8" AOH DRILL PIPE FROM 2770'-2562'. PUMPED 10 BBLS 2% KCL DOWN 2 7/8" AOH DRILL PIPE.

SECURED & SHUT IN WELL FOR EVENING. CAPPED ALL UNUSED VALVES.

6/19/2013

SICP: 75 PSI. SIDPP: 0 PSI. BLOW DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 6 1/4" BIT BHA ON 2 7/8" AOH DRILL PIPE FROM 2562'-2722' (TAG DEPTH). POOH WITH 6 1/4" BIT BHA TO 2719'.

WITH 6 1/4" BIT BHA @ 2719', BROKE CIRCULATION RUNNING TWO FOAM UNITS AT 1600 CFM AIR, 1 GAL/20 BBLS SURFACTANT, 2 GALS/20 BBLS CORROSION INHIBITOR, 20 BBLS 2% KCL/HR TOTAL FLUID, .5 GAL/20 BBLS EZ MUD, & 2 GALS/20 BBLS SHALE TREAT.

C/O COAL FROM 2722'-2750' (HIT SEVERAL LEDGES, ONE @ 2722' & THE OTHER @ 2730', WORK THROUGH EACH LEDGE INTERVAL; RETURNS WERE 1-2 CUPS COAL/5 GALS FLUID SAMPLED).

MAKE UP JT 79, BREAK CIRCULATION (15 MINUTES). C/O COAL FROM 2750'-2765'. RETURNS CONTAINED 1-2 CUPS COAL/5 GALS FLUID SAMPLED. WORKED THROUGH TIGHT HOLE FROM 2765'-2770' @ 11:15 AM. WELL STARTED RUNNING COAL HEAVILY ONCE WE WORKED PAST 2770'. RETURNS CONTAINED .5-1 GAL COAL/5 GALS FLUID SAMPLED. CONTINUED C/O COAL FROM 2770'-2781'.

MAKE UP JT 80, BREAK CIRCULATION (15 MINUTES), ATTEMPTED TO C/O COAL FROM 2781'-2785'--EXTREMELY STICKY & NOT MAKING ANY HOLE.

CUT MIST ON FOAM UNITS, BLEW DRILL PIPE DRY, & BLED DOWN DRILL PIPE PRESSURE TO SECOND STRING FLOAT BETWEEN JT 72-73. LAID DOWN 2 7/8" AOH DRILL PIPE JTS 80-74.

R/U RIG PUMP & CIRCULATING LINES. PUMPED 10 BBLS 2% KCL DOWN 2 7/8" AOH DRILL PIPE. R/D RIG PUMP & CIRCULATING LINES.

LAID DOWN 2 7/8" AOH DRILL PIPE JT 73. REMOVED STRING FLOAT. RACKED BACK HIGH TECH'S 2.5 POWER SWIVEL IN DERRICK.

CHANGED OUT 2 7/8" TUBING ELEVATORS TO 2 7/8" AOH DRILL PIPE ELEVATORS (ELEVATOR ID RECORDED ON FORM).

POOH ST&ING BACK 36 ST&S 2 7/8" AOH DRILL PIPE IN DERRICK. STOOD BACK 5 ST&S 3 1/2" DRILL COLLARS IN DERRICK. BREAK OUT 6 1/4" BIT & INSTALL 6" BIT.

SECURED & SHUT IN WELL FOR EVENING. CAPPED ALL UNUSED VALVES.

6/20/2013

SICP: 70 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 6" BIT BHA ON 10-3 1/2" SLICK DRILL COLLARS & 72 JTS 2 7/8" AOH DRILL PIPE TO 2562'.

CHANGED OUT 2 7/8" AOH ELEVATORS TO 2 7/8" TUBING ELEVATORS. CALIPERED 2 7/8" TUBING ELEVATOR ID & RECORDED ON FORM.

P/U & R/U HIGH TECH'S 2.5 POWER SWIVEL.

CONTINUED RIH WITH 6" BIT BHA ON 2 7/8" AOH DRILL PIPE FROM 2562'-2722' (TAG DEPTH; 3' IN ON JT 78). POOH TO 2719'.

WITH 6" BIT BHA @ 2719', BROKE CIRCULATION RUNNING TWO FOAM UNITS @ 1600 CFM AIR, 1 GAL/20 BBLS SURFACTANT, 2 GALS/20 BBLS CORROSION INHIBITOR, 20 BBLS 2% KCL/HR TOTAL FLUID, .5 GAL/20 BBLS EZ MUD, & 2 GALS/20 BBLS SHALE TREAT.

CONTINUED RIH WITH 6" BIT BHA ON 2 7/8" AOH DRILL PIPE THROUGH LEDGES @ 2722' & 2730' TO 2750' (RETURNS CONTAINED .25 CUP COAL/5 GALS FLUID SAMPLED; 78 JTS IN).

MAKE UP JT 79, BREAK CIRCULATION (15 MINUTES). C/O COAL FROM 2750'-2765'. RETURNS CONTAINED 1-2 CUPS COAL/5 GALS FLUID SAMPLED. WORKED THROUGH TIGHT HOLE FROM 2765'-2770'. FROM 2770'-2781' WELL UNLOADED COAL @ 1-2 GALS COAL/5 GALS SAMPLED.

AT 4:45 PM, RETURNS STARTED TO CLEAN UP TO .25 GALS COAL/5 GALS FLUID SAMPLED (COAL SAMPLES GETTING SIGNIFICANTLY SMALLER).

CUT MIST ON FOAM UNITS, BLEW DRILL PIPE DRY, & BLED DOWN DRILL PIPE PRESSURE TO SECOND STRING FLOAT BETWEEN JT 72-73. LAID DOWN 2 7/8" AOH DRILL PIPE JTS 79-74. R/U RIG PUMP & CIRCULATING LINES. PUMPED 10 BBLS 2% KCL DOWN 2 7/8" AOH DRILL PIPE. R/D RIG PUMP & CIRCULATING LINES. LAID DOWN 2 7/8" AOH DRILL PIPE JT 73. SWIFE. CAPPED ALL UNUSED VALVES.

6/21/2013

SICP: 70 PSI. SIDPP: 0 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 6" BIT BHA FROM 2562'-2765' (TAG DEPTH; TIGHT SPOT ENCOUNTERED DAILY @ 2765'-2770' ON JT 79). POOH WITH 6" BIT BHA TO 2750'.

WITH 6" BIT BHA @ 2750', BROKE CIRCULATION RUNNING TWO FOAM UNITS @ 1600 CFM AIR, 1 GAL/20 BBLS SURFACTANT, 2 GALS/20 BBLS CORROSION INHIBITOR, 20 BBLS 2% KCL/HR TOTAL FLUID, .5 GAL/20 BBLS EZ MUD, & 2 GALS/20 BBLS SHALE TREAT.

RIH WITH 6" BIT BHA FROM 2750' TO TIGHT HOLE @ 2765'-2770', WORKED THROUGH TIGHT SPOT, & CONTINUED TO 2781' @ 9:05 AM. CIRCULATED WITH 6" BIT BHA @ 2781'--RETURNS WERE .5 GAL COAL/5 GALS FLUID SAMPLED. SAMPLE TAKEN @ 9:55 AM CONTAINED 1 CUP COAL/5 GALS FLUID SAMPLED.

MAKE UP JT 80, BREAK CIRCULATION (15 MINUTES), & C/O FROM 2781'-2785'--WELL STARTED RUNNING COAL HARD @ 1-2 GALS COAL/5 GALS FLUID SAMPLED. ATTEMPTED TO CIRCULATE @ 2785', BUT HOLE EXTREMELY STICKY.

POOH LAYING DOWN JT 80. POOH WITH JT 79 TO 2750' TO ALLOW WELL TO UNLOAD COAL.

RIH WITH 6" BIT BHA FROM 2750'-2781'--WELL RUNNING COAL HARD @ 1-2 GALS COAL/5 GALS FLUID SAMPLED

CUT MIST ON FOAM UNITS, BLEW DRILL PIPE DRY, & BLED DOWN DRILL PIPE PRESSURE TO RIG PIT. POOH LAYING DOWN 2 7/8" AOH DRILL PIPE JTS 79-74.

R/U RIG PUMP & CIRCULATING LINES. PUMPED 10 BBLS 2% KCL DOWN 2 7/8" AOH DRILL PIPE. R/D RIG PUMP & CIRCULATING LINES.

POOH LAYING DOWN 2 7/8" AOH DRILL PIPE JT 73. SWIFE. CAPPED ALL UNUSED VALVES.

6/24/2013

SICP = 70 psi.

PU swivel. Establish circulation. Drilling w/ sweeps to help clean hole. Hard ledge at 2765'. Circulate during lunch 1200-1300 at ~2775 ft.

Picked up on DP which became stuck at the ledge. Shut down air-foam units at 1000 psi - annulus blowing down. Unable to pull free at 60K (string weight is 24K). Wait 45 minutes for pressure / plug to relax. No pipe movement at 60K or 1500 ft-lb torque. Attempt to equalize pressure by pumping 40 bbls water down annulus & then switching to DP & injecting a few barrels through float (425 psi). Held torque ~ 30 minutes at 1500 ft-lbs with no pipe movement.

Applied & held 700 psi down DP with circulation to surface. Pulled 60 K & held. Load slacked from 60 to 45K after about 5 minutes. Picked back-up to 58K. Started bleeding annulus. Pipe came free.

Resume circulating-out coal just above ledge.

Pulled & LD 7 joints with swivel. LD joint #8 on swivel. Pumped 10 bbls of 2% KCl water down DP.

6/25/2013

SICP = 70 psi.

PU joints with swivel, TIH & tag at 2720 ft. Establish circulation & drill through tag. Wash down to ledge at 2765 ft. Continuously working bit back & forth across ledge. Coal in 5 gallon sample of flowback fluctuating. Pump 3 bbl sweeps with 1 gallon extra soap to keep hole stable. Stuck & pulled free with 700 psi under bit & 60K on DP. Improved passage through tight spot & less coal in afternoon.

Make connection with joint #80 (2813') & drill down slowly with sweeps & frequent reciprocation.

LD 7 joints with swivel & LD swivel w/ joint #8 to above 7" shoe.

6/26/2013

SICP = 75 psi.

PU joints with swivel, TIH & tag at 2720 ft. Establish circulation & drill through tag. PU joint #79, TIH & drill through tag at 2765 ft. Returns are loaded with coal.

PU joint 80. Cleanout to 2813 ft. Sweeping to keep hole clean.

PU joint 81. TIH to 2823 ft. Air-foam units are running too hot. Suspend cleanout operations.

LD 9 singles. Change out bails, elevators (for replacements passing NDT) & caliper 2-7/8" elevators. Pull 35 st&s & BHA. Break-off bit.

6/27/2013

SICP = 70 psi.

MU 6-1/4" bit. TIH w/ st&s. PU / caliper 2-7/8" tubing elevator, LD tongs, & PU swivel. TIH w/ singles to joint 78. Establish circulation. Joint 78 free. PU joint 79. Drill / wash down. Circulate & condition.

PU joint 80. Drill/wash down. MU connection on joint 81 (1330). Wash / drill down to PBDT (1400). Circ & cond hole with sweeps.

Bleed DP. LD joint 81, stuck on joint 80. No pipe movement, no rotation. Attempt to pull free unsuccessful. Put 700 psi on annulus, pull 60K on DP & chain down brake. Have circulation. Pump couple shots of mist. Pipe came free. Circ & recip to free up coal. LD 9 joints. LD swivel with joint.

6/28/2013

SICP = 70 psi. Slowly bleed annulus.

TIH w/ singles to joint 78. Establish circulation. Drill through tight spot at 2720 ft. PU joint 79. Drill tight spot at 2765 ft & reciprocate bit to enlarge hole. Circ well with sweeps. Lunch.

PU joint #80. Drill / wash through tight spot. Circ & cond hole. PU joint # 81 & drill / wash down. Circ & cond hole.

LD joint #81. Re-pressure DP & swivel out/LD joint # 80. Re-pressure DP & swivel out/LD joint #79. LD remainder of singles. Hang swivel. St& DP & BHA.

6/29/2013

SICP = 70 psi.

Transfer 5-1/2" liner to Hydrawalk rack & tally same. RU San Juan Casing to run liner .Wait for hanger.

Prepare tally. PU hanger on joint #73. MU bit/float-sub/XO on casing. TIH with 7 joints of 5-1/2" 17# casing. Change elevators & MU joint #73 with hanger. RD San Juan Casing.

TIH with 36 st&s. RU swivel. Shut down for thunder storm (small hail).

TIH w/ singles. Drill/wash down to 2823 ft KB. TOL is 2543 ft, Overlap is 58 ft. Bottom perf is 2789 ft. Rat hole is 34 ft.

Drop ball, release setting tool from hanger at 3300 psi. Break-off ball drop sub & TIW. LD 1 single & LD swivel / joint. SWIFN.

6/30/2013

Spot SuperSucker & vacuum trucks. Hauled 280 bls of slurry & 55 bbls of heavy solids to I& farm.

7/1/2013

Rack HighTech swivel & send to town. LD DP & collars. Load h&ling equipment into basket.

RD floor. ND annular & 5-1/2" single BOP. NU annular. Change-out rams & pressure test 2-3/8" pipe rams 250 low / 1500 psi high. Open rams, close annular & pressure test annular to double BOP 250 low / 1500 psi high.

Unable to open annular for hanger to come through. RD floor. Remove annular. Install stripping head on double BOP & RU floor. SWIFN.

7/2/2013

SICP = 75 psi.

RIH & pull gamma ray/collar log from 2800 to 2000 ft. Get on depth with Spectral Density Dual Spaced Neutron EVR Processed log dated 05-07-01. POOH. TIH to perf - no conductivity. Trouble shoot & cut off 300 feet of e-line. Get on depth & perforate well 2613-14, 2638-39, 2843-44, 2698-2700, 2709-2714, 2734-54, 2777-78, & 2782-89. Perforated 38 feet across 176 ft overall with 3-1/8" HEGS guns loaded with 34B Hyperjet, 4 spf with 90 degree phasing. Total of 152 shots over 176 feet. RD Schlumberger.

Tag PBDT with e-line before firing lowest shot at 2826 ft. TOL by e-line 2537 ft.

MU 4-3/4" bit/sub-float. TIH w/ 2-3/8' L-80 to 2469 ft.(68 ft above TOL).

7/3/2013

SITP = SICP = 75 psi.

Tag PBDT. Wash liner until no solids are caught in a 5 gal sample. TOH to above TOL. Shut well in until Monday July 8th.

7/8/2013

SICP: 70 PSI. SITP: 70 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

RIH WITH 4 3/4" BIT BHA ON 2 3/8" L-80 PRODUCTION TUBING TO TAG @ 2826' PBD--NO FILL.

POOH WITH 2 3/8" L-80 PRODUCTION TUBING & 4 3/4" BIT BHA. LAID DOWN 4 3/4" BIT BHA.

WAIT ON PRODUCTION EQUIPMENT & ROD EQUIPMENT TO BE DELIVERED TO LOCATION.

CALIPERED & MEASURED THE FOLLOWING: 2 3/8" X 14' MULE SHOE JT W/WEEP HOLE TOP, 2 3/8" X 1.78" ID SEATING NIPPLE, 2 3/8" X 10' L-80 PUP JT, 2 3/8" X 8' L-80 PUP JT, 2 3/8" X 6' L-80 PUP JT, & A TCOO CENTER HANGER PREPPED W/ BACK PRESSURE PROFILE & CHEMICAL INJECTION. RIH WITH PRODUCTION BHA ON 73 JTS 2 3/8" L-80 PRODUCTION TUBING TO 2389.76'.

SPOT IN & R/U BJ DYNACOIL. CONTINUE TO RIH WITH PRODUCTION BHA ON 2 3/8" L-80 PRODUCTION TUBING FROM 2389.76'-2805.59' (EOT; B&ED 1/4" STAINLESS STEEL CAP TUBING ON OUTSIDE OF LAST 13 JTS 2 3/8" L-80 TUBING; 415.83' 1/4" STAINLESS STEEL CAP TUBING INSTALLED). INSTALLED TCOO CENTER HANGER, CONNECT CAP STRING TO TUBING HANGER, & L& TCOO CENTER HANGER IN TUBING HEAD PROFILE. R/D BJ DYNACOIL.

R/D RIG'S HYDRAULIC RIG FLOOR. N/D 7 1/16" 5K BOPE.

MOVED PIPE RACKS & HYDRA WALK TO LOCATION'S EDGE. INSTALL SEAL SUB, INSTALL CHEMICAL M&REL, INSTALL RING GASKET, FILL VOID WITH HYDRAULIC FLUID, & N/U NEW 7 1/16" 5K B-1 TUBING TOP FLANGE. TEST VOID TO 1500 PSI/5 MINUTES--HELD GOOD. RELEASED PRESSURE OFF VOID & INSTALLED TEST CAP. INSTALLED ROD RATIGAN, PUMP IN TEE, MISC. BALL VALVES, & CAPPED ALL OPEN ENDED VALVES. INSTALLED 2 3/8" FULL OPENING SAFETY VALVE WITH NIGHT CAP INSTALLED ON TOP.

REMOVED 2 3/8" TUBING ELEVATORS & BELLS. INSTALLED ROD HOOK. SPOT IN ROD TRAILER. REMOVED THREAD PROTECTORS FROM RODS. PREPPED TO RUN ROD PUMP & RODS IN AM.

7/9/2013

SICP: 70 PSI. SITP: 0 PSI. BLED DOWN WELL PRESSURE TO FLOW BACK TANK.

CALIPERED ROD ELEVATORS & RECORDED ON FORM. CALIPERED & MEASURED ROD BHA. P/U & PRIMED A 2" X 1 1/4" X 10' X 10' 3" RHAC-Z, SCPID BBL, 3' SM PA PLGR, SN/NC, DV SV ONLY A/A, EQU TV, REG STEEL FITTINGS, 3/4" PIN, 1 1/2" FN, S& CHECK, STRAINER NIPPLE ROD PUMP (PUMP #: CX 633). RIH WITH 2" X 1 1/4" X 10' X 10' 3" RHAC-Z ROD PUMP, 2" X 3.28' STABILIZER BAR, 3-7/8" GUIDED RODS (5 GUIDES/ROD), 107-3/4" CONVENTIONAL RODS, 3/4 X 8' PONY ROD, 3/4" X 6' PONY ROD, 3/4" X 4' PONY ROD, 3/4" X 2' PONY ROD, & A 1 1/4" X 16' POLISH ROD. SPACED OUT ROD STRING TO 12' 3" OFF SOFT TAG (147") FOR LINEAR ROD PUMP EQUIPMENT INSTALLATION.

CHEVRON PUMPER (REGGIE SCOTT) VERIFIED SOFT TAG.

R/U CIRCULATING LINES & RIG PUMP. LOAD TUBING WITH 2% KCL & PRESSURE TEST TO 440 PSI--HELD GOOD. RELEASED PRESSURE & STROKED ROD PUMP--GOOD PUMP ACTION. R/D CIRCULATING LINES & RIG PUMP.

P/U & R/U LINEAR ROD PUMP EQUIPMENT.

R/D WORKOVER RIG & RIG EQUIPMENT. STOWED EQUIPMENT & PREPPED FOR RIG MOVE. CLEANED LOCATION.