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COGCC

WPX ENERGY RMT

WELL: RGU 32-26-198API # 05-103-11966-00

SURFACE CASING DETAILS: 05/26/2015

RUN SURFACE CASING AS FOLLOWS: MADE UP 1 FLOAT SHOE, 1 SHOE JOINT OF 9-5/8" 36# J-55, 1 FLOAT COLLAR, 10 JOINTS OF 9-5/8" 40# J-55, AND 82 JOINTS OF 9-5/8" 36# J-55 SURFACE CASING WITH 1 DV TOOL FOR A TOTAL OF 93 JOINTS OF SURFACE CASING, ALSO RUN 1 CENTRALIZER ON FIRST 3 JOINTS AND THEN 1 EVERY THIRD JOINT THERE AFTER FOR A TOTAL OF 10 CENTRALIZERS PLUS 3 CEMENT BASKETS, 2 BELOW DV TOOL AND 1 ABOVE. DV/ STAGE TOOL TOP @ 1,856.08' / BOTTOM CENTRALIZER @ 3,952' AND TOP CENTRALIZER @ 2,972'. BOTTOM CEMENT BASKET @ 2,077', MIDDLE CEMENT BASKET @ 1,946', AND TOP CEMENT BASKET @ 1,725'. FLOAT COLLAR DEPTH @ 3,938', SURFACE CASING SET @ 3,968'.

SURFACE CEMENTING DETAILS OF OPERATION:

PUMPED SURFACE CEMENT AS FOLLOWS: HELD SAFETY MEETING WITH HALLIBURTON CEMENTERS AND H&P 318 RIG CREW, PRIMED PUMPS AND PRESSURE TESTED LINES TO 3,166 PSI, 1ST STAGE 40% EXCESS, PUMPED 40 BBLS OF FRESH WATER SPACER, PUMPED 184.4 BBLS (585 SKS) OF 12.8 PPG, 1.77 YIELD, @ 9.31 GAL/SK OF LEAD CEMENT. PUMPED 78.91 BBLS (210 SKS) OF 12.8 PPG, 2.11 YLD @ 11.77 GAL/SK TAIL CEMENT. DROPPED WIPER PLUG AND DISPLACED WITH 304 BBLS OF FRESH WATER @ 10 BBLS PER MINUTE W/ 1181 LIFT PSI, SLOWED RATE TO 4 BBLS PER MINUTE FOR LAST 10 BBLS OF DISPLACEMENT AND LANDED PLUG W/ 980 PSI AND BUMPED UP TO 1708 PSI. BLEED BACK 2 BBLS TO TRUCK AND FLOATS HELD. HAD FULL RETURNS ON 1ST STAGE. DROPPED OPENING CONE AND WAITED 15 MINUTES, PRESSURED UP TO 590 PSI AND OPENED DV TOOL, PUMPED 5 BBLS BEFORE GETTING FULL RETURNS.

2ND STAGE : 55% EXCESS

PUMPED 20 BBLS OF FRESH WATER SPACER, PUMPED 347.49 BBLS (895 SKS) OF 12.8 PPG, 2.18 YLD @ 12.11 GAL/SK TAIL CEMENT, DROPPED TOP PLUG AND DISPLACED WITH 143.4 BBLS OF FRESHWATER @ 8.3 BBLS PER MINUTE W/ 937 PSI LIFT, LANDED PLUG W/ 510 PSI AND BUMPED TO 1688 PSI AND HELD, BLEED BACK 1 BBLS AND TOOL HELD CLOSED. RECEIVED 0 BBLS CEMENT BACK F/ 1ST STAGE AND 100 BBLS OF CEMENT BACK FROM 2ND STAGE, WAITED ON CEMENT 2HRS CEMENT TOP FELL 30'. WILL TOP OUT WITH 2ND STAGE EXCESS FROM NEXT CEMENT JOB./CEMENT OPERATIONS WITNESSED BY BLM & COGCC. USED 7 BBLS OF CEMENT RETURNS F/ RGU 32-26-198 TO TOP OUT RGU 512-25-198 FROM 30' UP TO SURFACE GROUND LEVEL.

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