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COGCC

WPX ENERGY RMT

WELL: RGU 432-26-198

API # 05-103-11971-00

SURFACE CASING DETAILS: 05/31/2015

RUN SURFACE CASING AS FOLLOWS: MADE UP 1 FLOAT SHOE, 1 SHOE JOINT OF 9-5/8" 36# J-55, 1 FLOAT COLLAR, 11 JOINTS OF 9-5/8" 40# J-55, AND 82 JOINTS OF 9-5/8" 36# J-55 SURFACE CASING ' FOR A TOTAL OF 94 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 @ 1,836' / BOTTOM CENTRALIZER @ 4,060' AND TOP CENTRALIZER @ 3,072'. BOTTOM CEMENT BASKET @ 2,050', MIDDLE CEMENT BASKET @ 1,927', AND TOP CEMENT BASKET @ 1,704'. FLOAT COLLAR DEPTH @ 4,043', SURFACE CASING SET @ 4,073'.

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 3,500 PSI, 1ST STAGE 50% EXCESS, PUMPED 40 BBLS OF FRESH WATER SPACER, PUMPED 220.7 BBLS (700 SKS) OF 12.8 PPG, 1.77 YIELD, @ 9.31 GAL/SK OF LEAD CEMENT. PUMPED 84.5 BBLS (225 SKS) OF 12.8 PPG, 2.11 YLD @ 11.77 GAL/SK TAIL CEMENT. DROPPED WIPER PLUG AND DISPLACED WITH 312.6 BBLS OF FRESH WATER @ 10 BBLS PER MINUTE W/ 1050 LIFT PSI, SLOWED RATE TO 2 BBLS PER MINUTE FOR LAST 10 BBLS OF DISPLACEMENT AND LANDED PLUG W/ 650 PSI AND BUMPED UP TO 1,350 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 630 PSI AND OPENED DV TOOL, PUMPED 10 BBLS BEFORE GETTING FULL RETURNS.

2ND STAGE : 50% EXCESS

PUMPED 20 BBLS OF FRESH WATER SPACER, PUMPED 335.8 BBLS (865 SKS) OF 12.8 PPG, 2.18 YLD @ 12.11 GAL/SK TAIL CEMENT, DROPPED TOP PLUG AND DISPLACED WITH 141.9 BBLS OF FRESHWATER @ 10 BBLS PER MINUTE W/ 850 PSI LIFT, LANDED PLUG W/ 850 PSI AND BUMPED TO 1850 PSI AND HELD, BLEED BACK 1 BBLS AND TOOL HELD CLOSED. RECEIVED 76 BBLS CEMENT BACK F/ 1ST STAGE AND 90 BBLS OF CEMENT BACK FROM 2ND STAGE, WAITED ON CEMENT 2 HRS CEMENT TOP FELL 20'. WILL TOP OUT WITH 2ND STAGE EXCESS FROM NEXT CEMENT JOB./CEMENT OPERATIONS WITNESSED BY BLM & . USED 5 BBLS OF CEMENT RETURNS F/ RGU 432-26-198 TO TOP OUT RGU 332-25-198 FROM 20' UP TO SURFACE GROUND LEVEL.

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