

**TERRA ENERGY PARTNERS**

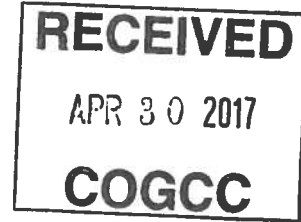
H&P 271 324

Well# TR ~~334~~-23-597

API# 05-045-23471-00

PAD# TR 32-23-597

RIG PHONE: 970-986-4861



**SURFACE HOLE: 14-3/4" TD 3087'**

**Surface Casing Details: 4/29/2017**

RUN 9-5/8" SURFACE CASING AS FOLLOWS: MADE UP 1 FLOAT SHOE, 1 JT. OF 9-5/8" 36# J-55 LT&C AS SHOE JOINT AND 1 FLOAT COLLAR, 2 JOINTS OF 9-5/8" 36 # WITH PARASITE SUB AND 68 JTS OF 36# J-55 ST&C, WITH 1 JOINT OF 36# J-55 ON TOP TO BE CUT OFF AND A WELD ON WELL HEAD AT GROUND LEVEL FOR A TOTAL OF 72 JOINTS OF SURFACE CASING. SHOE DEPTH 3087'. FLOAT COLLAR DEPTH 3060.93', PARASITE SUB @ 2971.77'. RUN CENTRALIZERS ON FIRST THREE JTS, THEN 1 CENTRALIZER EVERY 3RD JOINT THERE AFTER INCLUDING 2 CEMENT BASKETS FOR A TOTAL OF 15 CENTRALIZERS, BOTTOM CENTRALIZER AT 3050.33' AND TOP CENTRALIZER AT 648.38'. CASING SET DEPTH @ 3087'. (RUN 91 JOINTS OF 1.90" 2.76# IJ J-55 TUBING FOR A PARASITE FROM SURFACE TO 2971.77'.)

**Surface Cement Details: 4/30/17**

SURFACE CEMENT AS FOLLOWS: HELD SAFETY MEETING WITH HALLIBURTON CEMENTERS AND H&P 271 RIG CREW. TESTED LINES TO 3500 PSI, PUMPED ONE 5 BBL FRESH WATER SPACER, ONE 10 BBL SUPER FLUSH SPACER, PUMPED ONE 5 BBL FRESH WATER SPACER, PUMPED ONE 10 BBL CALCIUM CHL. H2O SPACER, PUMPED ONE 5 BBL FRESH WATER SPACER, PUMPED ONE 10 BBL SUPER FLUSH 100 SPACER, PUMPED ONE 5 BBL FRESH WATER SPACER, PUMPED ONE 10 BBL CALCIUM CHL. H2O SPACER, PUMPED ONE 10 BBL FRESH WATER SPACER. LEAD, PUMPED 498 BBLS (1175 SACKS) OF VARICEM 12.3 PPG, 2.38 YLD, 13.76 GAL/SK LEAD CEMENT W/ 70% EXCESS ON LEAD. TAIL, PUMPED 130 BBLS (345 SKS) OF 12.8 PPG, 2.11 YLD, 11.78 GAL/SK VARICEM TAIL CEMENT W/ 70% EXCESS. DROPPED PLUG, DISPLACED WITH 237 BBLS OF FRESH WATER W/ 960 PSI LIFT @ 10 BPM, SLOWED DOWN TO 2 BPM FOR LAST 10 BBLS OF DISPLACEMENT W/ 270 PSI PRIOR TO BUMPING PLUG. BUMPED PLUG T/ 730 PSI. BLEED 1 BBL BACK TO TRUCK AND FLOATS HELD. HAD NO RETURNS DURING CEMENT JOB. / HAD 0 BBLS CEMENT BACK T/ SURFACE / FLUSHED PARASITE STRING WITH 8 BBLS OF SUGAR WATER. TOPPED OUT W/ 183 SACKS, 38 BBLS OF 15.6 #, 1.19 FT<sup>3</sup>/SK 5.24 GAL/SK CEMENT.