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TERRA ENERGY PARTNERS
H&P 271
Well# TR 423-23-597
API# 05-045-23462-00
PAD# TR 32-23-597
RIG PHONE: 970-986-4861



SURFACE HOLE: 14-3/4" TD 2978'

Surface Casing Details: 5/7/2017

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 70 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 73 JOINTS OF SURFACE CASING. SHOE DEPTH 2976'. FLOAT COLLAR DEPTH 2949', PARASITE SUB @ 2864'. 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 2950' AND TOP CENTRALIZER AT 711'. CASING SET DEPTH @ 2978'. (RUN 90 JOINTS OF 1.90" 2.76# IJ J-55 TUBING FOR A PARASITE FROM SURFACE TO 2864'.)

Surface Cement Details: 5/07/17

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 CHI. 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 CHI. 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 228.2 BBLs OF FRESH WATER W/ 820 PSI LIFT @ 10 BPM, SLOWED DOWN TO 2 BPM FOR LAST 10 BBLs OF DISPLACEMENT W/ 395 PSI PRIOR TO BUMPING PLUG. BUMPED PLUG T/ 1075 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 10 BBLs OF SUGAR WATER. TOPPED OUT W/ 228 SACKS, 47.1 BBLs OF 15.6 #, 1.19 FT³/SK 5.24 GAL/SK CEMENT. CEMENT TO SURFACE