

Sunray Energy

University P #6R

12-28-09

Day #1

MIRU Savanna Drilling rig #439 on the University P #6R. BHA is from bottom [12 ¼" Security bit, bit sub, teledrift, and 20-6 ¼' Drill Collars]. 1st survey at 250' was .5 degrees. Railroad Commission was notified that we were starting to drill. Drilled to 400' on day one. Set up FE, cmt, well heads and bop drilling flange, fresh and brine water, mud additives, and alerted welder.

12-29-09

Day #2

Continued drilling. Ran survey at 750' [1.5 degree] and slowed drilling. Ran another survey at 874' and back to .5 degrees. TD well at 1332' and circulated well for 30 min until returns clean. Ran survey [1 degree] and COOH with DP assembly. Drill pipe dragging hard while coming out of hole. RU with same DP/bit assembly and RIH making a wiper run on hole. Called Railroad Commission and let them know we would be cementing around 0400 am in morning. Circulate hole and COOH with DP/bit assembly.

12-30-09

Day #3

Out of hole with DP, RU casing crew and RIH with 1335' [35 jts] of J-55 24# 8 5/8" casing with a 1 jt shoe jt. Tagged bottom, circulated hole, rigged down casing crew and rigged up cement crew. Had good safety meeting, then pumped 25 blls h2o spacer, 495 sks EconoCem-HLTRRC lead cement at 12.9# and 195 sks HalCem-C tail cement at 14.8#. Shut down, dropped 8 5/8" top rubber plug and displaced with 82.4 blls fresh h2o. Bumped plug and took too 700 psi. Floats held and circulated cement to surface. Wait 4 hours and cut off casing, and RU bop. Psi test kill lines and bop, and RU and RIH with new DP and BHA as follows from bottom; 1-7 7/8"x.93' security bit, 1-6 ½"x24.34' motor [16 revolutions/gal], 1-6 ½"x6.64' stabilizer, 1-6 ¾"x6.64' Teledrift, 1-6 ¼"x30.77' DC, 1-6 ½"x6.96' stabilizer, 14-6 ¼" DC's measuring 430.31'.

Drilled to 1423' where down hole motor gave out. Circulate hole and COOH with Drillpipe and BHA.

12-31-09

Day #4

Out of hole, replace down hole motor and RIH with BHA. Back on bottom at 12.30 +/-, continue drilling. Surveyed at 1530' and was at 1.5 degrees. Continued drilling. Surveyed at 1789' and was at 1 degree. Continued drilling. Surveyed at 2337' and was at 2 degrees. Slowed weight on bit, increased rotation speed, and continued drilling. Drilled to 2610'.

1-01-10

Day #5

Drilled to 2621' where drilling got hard with a lot of torque. Pulled three jts [showing a lot of drag] and started reaming down. Got back to 2571' where cannot go down. Ran survey at 2540' and was at 2.5 degrees. Circulated well, and COOH with assembly. Out of hole, bit is shot ,showing 3" chunk of metal missing off of leading edge and a lot of buttons missing. Ran back in hole with new bit and same BHA. Tagged some fill so RU to pump and wash thru at approximately 2433'. Washed thru immediately and continued in hole. Drilling down stalled down hole motor and swivel while tagging up on something [setting minimal weight on bit]. COOH with drill pipe/bit assembly. Bit showing buttons tore up on sides of bit. RU and RIH with 7 7/8" Autura milltooth bit and junk basket with same assembly except removing down hole motor. Tagged up at 2433' +/- and started washing /reaming to bottom. Drilled to 2607' where bit was bouncing bad and not making any footage. COOH with assembly.

1-02-10

Day #6

Out of hole, junk basket is full of metal and bit has 4 buttons missing on sides of bit. RU and RIH with 7 7/8" mill and 14-6 1/4" DC's. AT 2423', string taking weight, start washing/reaming to bottom [losing some fluid]. Reamed to 2635' where not making any footage. COOH with drilling assembly/mill. RU and RIH with 7 7/8" milltooth bit , junk basket, and 14-6 1/4" DC's. Start washing down at 2635'. Bit is bouncing hard with no penetration. COOH with BHA.

01-03-10

Day #7

Out of hole, it has been decided to plug well. Rail Road Commision has been notified and they have given us the plug placement. RU and RIH with 4' DP to 2600. Circulate well for 1 hour while HES is rigging up. Set 1st plug at 2600' using 35 sks Class C cement and displacing with 26 7 blls of mud. Set 2nd plug at 1385' using 80 sks Class C cement and displacing with 11.3 blls of mud. Wait 3 hrs and tagged plug at 1090'. Set 3rd plug at 950' using 35 sks Class C cement and displacing with 8.8 blls mud. Set 4th plug at 300' using 35 sks class C cement and displacing with 1.6 blls mud. Set 5th plug at 30' using 10 sks class C cement and leaving casing full of cement. Washed out BOP with h2o and released rig.