



DAILY REPORT

UNIVERSITY 35A #2 Andrews County, Texas

8/10/19
MIRU

8/12/19
Blow well down and N/U BOP. TOOH with 2 3/8" tbg. P/U 4 3/4" bit, bit sub, and TIH workstring to composite plug. Tag up on plug at 4521' +/- P/U swivel and drill out plug. RIH w/ 4 3/4" bit & workstring to 5421' & tagged up. TOOH with 5 stands. SI well / SDFN.

8/13/19
Open well and TIH with 5 stands out of derrick. P/U swivel and 1jt tag up at 5471' - Resume drilling out the Composite plug down to 5788'. Tag up solid at 5788' - TD at 5801'. Set 5 1/2 Crest packer at 5223', 355' above top perf at 5578'. Load Annulus and pressure up on casing to 500 psi - tested good. RU up on the Tubing and establish injection rate, 1bbl min 50psi, 2bbls min 300psi, 3bbls min 500psi to 600psi. SI well / SDFN. Prep to cement squeeze the Clearfork perfs (5578' to 5734') in the morning.

8/14/19
Squeeze off Clearfork perfs from 5578' to 5734'. Test lines to 2800 PSI, pump 10 bbls and establish an injection rate of 550 psi at 3 bpm rate. Pump 300 sks cement. Shut down & wash up. Start displacement - 23 bbls gone 1200 psi, isip 890 psi, pressure up to 890 psi, shut in at 850 psi. R/D, SI well / SDFN.

8/15/19
Unset packer, POOH & lay down packer, N/D BOP. Cut off old well head and weld on new wellhead. N/U TBG head and BOP. Pick up bit, bit sub, DC, X/O, & WS tbg. Tag up on TOC at 5461'. RU swivel & start drilling out cement to 5629'. Circ hole clean and TOOH with 5 stands. SI well / SDFN.

8/16/19
Open well and TIH with 5 stands. P/U swivel and tag at 5629'. Drill out cement to 5738' and fell out of cement - wash to bottom. Circ hole clean. Pressure up to 500 psi - dropped off to 350 psi and held at 350 psi for 5 minutes. R/D swivel and TOOH with 2 7/8" workstring tubing, D/C's, and 4 3/4" bit. SI well / SDFW.

8/19/19
Open well and TIH w/bit, 12) DC's & PH-6 tbg. Tag up at 5788' & drill out float collar, float shoe, and 17' of formation - circ hole clean. TOOH with tbg and DC. PU & RIH wbit, 3 1/2" drilling motor, 12) DC's & workstring. Tag up 5718', break circ and drill to 5832'. Circ clean & TOOH to 5800'. SI well / SDFN.

8/20/19

Open well and TIH tag up at 5832'. Resume drilling from 5832' to 5900'. Drill from 5900' to 6053' (153') circ sweep. R/D swivel and lay down 1 jt POH with 5 stands of 2 7/8" workstring to get up inside 5 1/2" casing. SI well / SDFN.

8/21/19

Open well and trip back in the hole to 6053'. Resume drilling new 4 3/4" open hole down to 6493'. Drilled 440' of open hole in 11 hours. R/D swivel - pull out with 11 stands of workstring tubing plus one joint to get backup inside the 5 1/2" casing. SI well / SDFN.

8/22/19

Open well and TIH with 11 stands workstring, P/U swivel and wash down to 6493'. Resume drilling new open hole interval at 6493', drill out down to 6715'. Circulate hole clean, resume drilling out at 6715' down to 6932'. Circulate clean and TOOH w/workstring to get up inside 5 1/2" csg. SI well / SDFN.

8/23/19

Open up well and TIH, P/U swivel, break circ, and wash down to 6932'. Resume drilling at 6932'. Drill 5 hours to 7155. Circ hole clean. Resume drilling at 7155'. Drill to 7308', Circ hole clean. TOOH with 24 stands and one single. SI well / SDFW.

8/26/19

Open up well and TIH with 24 stands. P/U swivel, break circ, and wash down to 7308'. Resume drilling at 7308' to TD at 7469' (161' in 3 1/2 hrs.). Circ hole clean. TOOH racking back workstring tbg. Lay down DC's and motor. SI well / SDFN.

8/27/19

Open up well. R/U Weatherford wireline to run open hole logs. Tag bottom with logging tools at 7428'. Log well up to the 5 1/2" csg & TOOH, R/D wireline. TIH with workstring tubing - laying down on the pipe racks. SI well / SDFN.

8/28/19

Open up well and R/U casing crew. TIH with 169 jts) 4 1/2" / L-80 / 11.6# liner, landed at a TD of 7447'. R/D casing crew. R/U cementers & pump 225 sks Class C cement. Pump displacement - 115 bbls fresh water, bump plug at 3000 psi - shut down. Shut in casing with 500 psi. R/D cementers. SI well / SDFN.

8/29/19

N/D cementing head. set casing slips, lay down liner. N/D BOP, and N/U frac head. R/D and release.

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FRAC REPORT

UNIVERSITY 35A #2 Andrews County, Texas

9/11/19

NU frac equipment and tested to 7500# - ready for frac job.

9/12-14/19

Rigging up for frac job. 7:24 pm on 9/13/2019 start pumping 15% Ne Fe NCL acid. Acidize Stage 1 perfs: 7129' 7319' (36 holes) with 3000 gals of 15% HCL acid with 45) 1.3 sg ball sealers. Pumped 181,318# of sand in Stage 1 ISIP @ 2940#. Set composite plug at 7095'. RIH with 3 1/8" perf guns and perforate at follows: 7007', 08, 09, 7022', 23, 24, 7039', 40, 41, 7057', 58, 7059' with 3) JSPF for 36) holes. Pumped 3000 gals of 15% HCL acid and flush with slickwater at 34 bpm rate @ 4003#. Spot 1000 gals of 15% HCL acid, ISIP at 2742# & total sand volume pumped this stage - 212,295#. Total sand volume pumped for first 2 stages = 393,613#. Set composite plug - set at 6773'. RIH with 3 1/8" per guns to perf Stage 3 with 2) JSPF as follows: 6763', 64, 65, 6836', 37, 38, 6840', 41, 42, 6883', 84, 85, 6919', 20, 21, 6939', 40, and 6941' - 36) holes total shot. 136,655# of sand in formation on Stage 3. Total sand pumped in 3 stages was 530,268#, ISIP at 2762#. Set composite plug for a kill plug set at 6656'. RD Cudd and Capitan.

9/16/19

R/D frac stack, N/U tbg head and NU BOP. R/U workover rig. RIH with 3 7/8" bit, sliding sleeve, and 2 3/8" L-80 tubing - tag at 6664'. SI well / SDFN. Prep to PU power swivel and start drilling out composite plugs.

9/17/19

P/U power swivel and broke circulation. Wash down to kill plug at 6664', took 1 hr to drill out. Wash down to 2nd plug at 6977', drill out plug in 1 hr. Flowed well to frac tanks. Wash down to 3rd plug - tagged sand at 7064'. Tag plug at 7098' - drilled out in 1 hour. Wash down to sand at 7305' to 7327' - **PBTD**. Circulate hole clean. 6:00 pm to 6:00 am flowed back 861 bbls.

9/18/19

Still flowing frac water back – no oil cut yet.

9/23/19

Prepare to RU PU and run in hole with production equipment.

9/25/19

POH w/tbg – RIH w/production tbg.

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Andrews County, Texas

9/26/19

Open up well - RIH with a 2" x 1 1/2" x 24' pump, 12) 1 1/2" sinker bars, 164) 3/4" rods, 91) 7/8" rods, 1) 8' x 7/8" pony rod, and polish rod. Space out pump and long. Hung off rods on stuffing box. pumping unit to be set on well tomorrow. R/D rig and move off.

9/27/19

Set in a crank balanced unit on a cement base. Hung rods on unit and adjusted weights. Still need to tie in the electrical power and lay a poly flowline to the Univ A35 Battery.

10/4/19

MI & RU PU - unhang rods and respaced the pump, good P/A - RD PU. Lay poly flow line from well to battery. Hook up electric panel and motor on pumping unit. Set a generator and tied in electricity to the pumping unit. Well online and pumping to battery this morning.