

660' FSL and 660' FWL of Section 41, Block 9, University Lands Survey, Andrews County, Texas

API # 42-003-07163, Lease # 37383, Re-completed 09/17/2013

GL: 3128'

KB: xxxx'

TD: 9242'

PBSD: 5280'

Pfs: 4336' – 4404'

04/13/2012 MIRU. Tst tbq. Unseat pmp. Pull pmp OOH. Rd count: 79 - 7/8" rds, 90 - 3/4" rds, 5 - K-bars, 1 - 4' x 1" sub, 1 - 8' x 1", 1 - 6' x 1", 1 - 4' x 1", 2 - 2' x 1", 1 - 18' x 1 1/4 x 2 1/2" pmp, 1 - 12' gas anchor. Will need to replace 4 - 7/8" & 4 - 3/4" rds, 1 - 12' gas anchor.

04/14/2012 SDF weekend.

04/15/2012 SDF weekend.

04/16/2012 PU pmp & new 12' gas anchor. Go BIH w/pmp & rds. Hang well on. Load & tst. Pmp action good. Leave well pmpg on auto. Rd count: 79 - 7/8" rds, 90 - 3/4" rds, 5 - K-bars, 1 - 4' sub, 1 1/4" x 18' x 2 1/2" pmp, 1 - 6' sub, 1 - 4' sub, 2 - 2' subs, 12' gas anchor. Had to replace 4 - 7/8" rds & 2 - 3/4" rds. RDPU.

06/14/2012 Hole in tbq. SD. WOPU.

08/31/2013 MIRU Basic WS. Unseat pmp. LD rds. Rd count: 82 - 7/8", 90 - 3/4", 5 K-bars & 1 - 4' sub. Well flwg out tbq & csg. LD pmp & shut well in. SDFN.

09/01/2013 SDF weekend.

09/02/2013 SDF weekend.

09/03/2013 SDF weekend.

09/04/2013 NUBOP. TOO H w/tbg. LD 25 jts 2 7/8" w/bad pitting. Tot above SN was 135 jts. TIH w/RBP & set @ 4305'. Tst csg. Took 4 bbls to load. Csg leaks w/1/2 BPM @ 500 psi & loses 50 psi per min after pmp is SD. Left RBP @ 4305'. TOO H w/tbg. Prep to tst IH w/pkr. SDFN.

09/05/2013 Tst tbq IH w/pkr. Set pkr @ 2326' & tst down tbq, leaks. Tst down csg. 9 5/8" csg good. Lower pkr to 2960' & tst csg. Good. Lower pkr to 3592'. Tst csg. Good. Lower pkr to 4274'. Tst csg. Leaks .5 BPM @ 500 psi. Tst RBP. It or csg just above it leaks .5 BPM @ 500 psi. TOO H to 3949' & tst csg. Good. TIH & tst csg @ 4079'. Good. TIH to 4209' & tst csg. Good. Leak from 4230' to 4305'. Latch on RBP. TOO H & LD pkr & RBP. Prep to DO CIBP. SDFN.

09/06/2013 PU 4 3/4" bit, 6 - 3 1/2" DCs & TIH. Tag CIBP @ 4475'. DO plug. D/N DO. Circ clean. Secure WH. SDFN.

09/07/2013 Cont drlg CIBP. DO. TIH & tagged CIBP. TOO H & stand back DC. SDFN.

09/08/2013 SDF weekend.

09/09/2013 SDF weekend.

09/10/2013 RU Express WL & set CIBP @ 4305'. RD Express. TIH w/tbg to 4300'. RU Rising Star & spot 35 sxs 14.8 ppg cmt. TOO H w/15 stds of tbq. Sqze 2 bbls of cmt into leak @ 600 psi. WOC 1 1/2 hrs. TOO H w/tbg. TIH w/4 3/4" bit, 6 DCs & 20 stds. SDFN.

09/11/2013 Lower bit to top of cmt @ 4015'. DO to 4301'. Tst csg to 500 psi for 30 mins. Good. Drill 4' more of cmt, then drill on CIBP. D/N drill out. Circ hole clean. Secure wellhead. SDFN.

09/12/2013 Drill on CIBP. Bit quit. TOO H & repl bit. TIH & DO CIBP. Lower bit to 5300' & start drlg out cmt & CIBP. Circ hole clean. SDFN.

09/13/2013 Cont drlg. DO CIBP. Wet cmt under BP, then 13' of hard cmt. Bit quit. PBSD @ 5314'. TOO H & LD all tbq & DCs. Prep to run pkr. Est inj rate of 1 BPM @ 500 psi. Secure wellhead.

09/14/2013 TIH w/5 1/2 x 2 7/8" n/p AS1X pkr w/T2 O/O tool, 2.25 F nple, riser nple, FG mule shoe, 132 jts IPC 2 7/8" tbq. EOT @ 4296'. Cmt element @ 4288'. Circ 220 bbls FW w/pkr fl. Tst csg to 500 psi. Good. ND BOP. Get ready for acid Monday. SDF weekend.

09/15/2013 SDF weekend.

09/16/2013 SDF weekend.

09/17/2013 RU Pro Petro for acid. Pmp acid, 500 gals clean. Start ball sealers @ 4 BPM 2 1156 psi. Drop 40 balls. D/N ball out. Balls on form @ 1172 psi. Flush w/500. ISIP 725#. 5 min SIP 626#. 10 min SIP 599#. 15 min SIP 584 psi. Tot fl pmpd 86 bbls. After completion of pmpg flush found 650 psi on csg. RD Pro Petro. Rlse pkr & flush w/220 bbls FW. LD 3 jts & tst csg. Good. EOT

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@ 4202'. Lower to 4233'. Tst good. Lower to 4248'. Good. Lower to 4264'. Tst good. Reset pkr. SDFN.

09/18/2013 Rlse on/off tool. Circ 220 bbls FW w/pkr fl. Latch back onto pkr. Tst csg to 500 psi for 25 mins. Bled air several times. RDMO. Set up H-5 tst w/RRC for 09/19/13 @ 8:00 A.M.

10/03/2013 MIRU Basic WS. Unset pkr. Reset pkr @ 4239'. Tst. Good.

10/04/2013 RDMO.

10/23/2013 Move poly line from road crossing to well. Make tie-ins to battery. Serv injection pmp.

10/24/2013 Turn all wells to State L. Check for leaks. None found. Turn on pmp & set high. Low switches. Run pmp & well press to 600 psi. Left pump on auto.

08/15/2014 MIRU Basic WS. Flow well down. Unseat pkr. Move up hole to 4150'. Set same & start up. Set up H-5 tst.

01/31/2017 Have vac truck pull fluid off csg. Tbg quit running over. ND WH, release pkr. POH w/127 jts 2 7/8" IPC tbg & pkr. Found hole in O&O tool in seal area. RU Testco tbg tester. Exchange pkr. RIH w/5 1/2" Arrowset 1 w/1.56 profile nipple, O&O tool w/seal assembly 2 3/8 x 2 7/8 cross over, hydra test 127 jts in the hole. No leaks. RD tbg tester. Set pkr w/10 pt tension. Csg stopped running over. Tbg flowed back. CWI, close csg in.

02/01/2017 Op csg, 0 psi. Tbg 125. RU pmp truck. Pressure up on csg to 500 psi for 10 min. No leaks. Circ 100 bbl FW pkr fluid. Latch back on pkr. ND BOP, NU WH w/15 pts tension. Pressure up on csg to 500, ok, no leaks. Ran H-5 chart for 30 minutes. Okay. Plum injection lines back to tbg. RD.

10/04/2017 MIRU RH WS. SDFN. DWC: \$660.

10/05/2017 RU vac truck to csg. ND WH, unset pkr. TOO H w/tbg & pkr. Found hole in collar #117 from top. LD 84 jts (bad threads). Set pipe racks & rack replacement pipe. Left well flowing to frac tank. SDFN. DWC: \$5,150.

10/06/2017 RU vac truck to csg. Install profile plug in pkr. TIH w/2 7/8" x 4' mule shoe, 5 1/2" x 2 7/8" NP AS1X pkr w/T2 O/O tool (SS), w/1.78F profile nipple, 133 jts IPC tbg. Set pkr @ 4127'. Release O/O tool. Circ 160 bbl pkr fluid. Latch on to O/O tool, tested csg to 500#, good. Landed flange in tension w/12 pts. NU WH, CWI, SDFN. DWC: \$6,920.

10/07/2017 RU Precision Pressure Data. RIH w/equalizer prong. POOH, RIH w/probe. POOH w/plug. RD PPD. NU WH & flowline. RDMO. DWC: \$3,475.

04/02/2019 MI location, stand by for Andrews Anchors to pull test anchors. RU. ND WH. Cut most of 600 series bolts out of WH. PU on tbg, remove 600 x 2000 flange. NU BOP. LD floor, PU tongs. CWI. Left tbg flowing into frac tank overnight. Will need to replace 600 series flange due to corrosion & threads. DWC: \$2,225.

04/03/2019 Rel pkr, set in seal boards. POOH, LD 73 jts 2 7/8" IPC tbg visually inspecting pins & collars. LD 4 jts from pin end corrosion. Hydraulic pmp went out on PU. CWI. Sent pkr hand & tbg tester in. Haul off fluid off frac tank. DWC: \$2,825.

04/04/2019 Op well, hook up vac truck to csg. POOH, inspecting pins & collars. LD 60 jts & 5.5 injection pkr. LD 43 bad & 17 good jts. Found HIT 79 jts from surf. Found total of 47 jts bad. Mix between external corrosion & pins ate up with corrosion from what appears to be a loss of plastic coating. LD total of 133 jts. Test 1 jt to 7000 psi. Tbg tester was rigging up steel test bars but was supposed to be rubber coated bars. RD tester. Basin Testers will be on loc in AM w/rubber coated bars to hydra test tbg to 7000 psi. CWI. Op csg to flow back tank. Permian Enterprises deliver 50 jts 2 7/8" IPC tbg to loc. DWC: \$4,390.

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- 04/05/2019 Open well to vacuum truck. Basin Tbg. Tester arrive location and did not have the rubber coated bars. Stand by for monk Tbg. Tester out of Hobbs. Rig up tester. Tally in hole w/ 5.5" AS1 stainless w/ 1.87 profile nipple & T2 on & off tool with seal assembly with blow out plug. Rig up drag bars without slips with only rubber cups pulling through Tbg. Picked up and Hydra tested 132 joints 2 7/8 IPC Tbg. To 7000 psi one joint at a time. Test a total of 132 joints, no leaks or bust. Rig down tester & clean up around well. Tbg. Was full of thick emulsions. Close well in.  
DWC: \$7,000
- 04/06/2019 Open well. Load Tbg. With 24 bbls packer fluid.  
Set arrow set one @ 4127', test casing to 500 psi. Got off on & off tool. Circulated 215 bbls packer fluid. Latch on packer. N/D remove bop.  
Remove 2 7/8 IPC collar and peeled plastic and broke off a piece of the top end of the pin. Got off on & off tool lay down one joint & replace with a used IPC joint. Latch on packer. N/U we'll head. Test casing for 10 min. To 500 psi. Ok no leaks. Got on Tbg. Psi up to 2800 psi. Busted blow out plug. Rig down pulling unit.  
Note the bottom 50 joints of 2 7/8 IPC were ran as brand new Tbg. The top 82 joints are used and was bought as used Tbg. From BCM.  
Bottom 50 from patriot Tbg. Sales.  
82 joints 2 7/8 used IPC  
50 joints new IPC  
5.5 arrow set one stainless 1.87 profile T2 on / off tool  
DWC:\$5,800
- 02/11/2023 R/U pump truck to do H5 tubing and casing had 375. Pumped up to 600 psi tubing and casing @ 600 psi. PKR leaking or hole in tubing. R/D pump truck. called in results.  
DWC \$1800 CWC \$1800
- 02/13/2023 Road rig to location. Spot rig on location. Too windy to rig up.  
DWC \$2300 CWC \$4100
- 02/14/2023 Tbg & csg pressure equalized at 300 psi. Surface csg also showing 300 psi. Bled tbg down to 0 psi. Csg press bled down to 0 psi with tbg press. Surface csg pressure gauge indicated 40 psi. Determined that portion of 5-1/2" production csg had been removed during previous plugging operation. Could not rig up due to wind.  
DWC \$2875 CWC \$6975
- 02/15/2023 Set in new anchor. R/U pulling unit. Set in pipe racks. Bled down well to vac truck N/D well head N/U BOP. Unset PKR POH L/D 55- 2 7/8 IPC jts. Found holes in jt # 11,15,30,and 37. (OD of pipe shows varying degree of corrosion) CIW SD due to high winds.  
DWC \$8035 CWC \$15,010
- 02/16/2023 Bled down well to vac truck. Finish POH L/D pipe L/D a total of 132 - 2 7/8 jts. PKR Mandrel was corroded. Sent PKR in to be redressed CIW SD.  
DWC \$6445 CWC \$21,455

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- 02/17/2023 Bled down well to vac truck. R/U RTX wireline RIH w/ccl & gage ring 4.265 tag top of 5 ½" stub @ 2323'(GL) could not get past 4100'. Appears build up on casing POH R/D wireline Moved in, rack new pipe. CIW SD  
**NOTE:** took old pipe (132 jts, 2-7/8" IPC) to the Whatley A-3 location  
 DWC \$69,905 CWC \$91,360
- 02/20/2023 Open well bled down to vac truck. P/U PKR P/U new pipe 126- 2 7/8 L-80 IPC. Tag top of 5 1/2 @ 2310 whit tubing. Set PKR @ 4128. Got off PKR circulated 220 bbls of PKR fluid. Latched on PKR CIW SD. Do H5 in the morning.  
Tubing design  
 126- 2 7/8 L-80 IPC. Surface- 4107  
 2 7/8 8rd box X 2 3/8 8rd pin X-over  
 5 1/2 X 2 3/8 T-2 on/off tool NP  
 1.875 F SS seal nipple  
 5 1/2 X 2 3/8 AS1X 7k N/P PKR  
 DWC \$13,286 CWC \$104,646
- 02/21/2023 Open well no pressure. R/U pump truck on casing pressure up to 500 psi held bled down N/D BOP N/U well head waited on RRC till 10:15 am (no show ) record chart for one hour good chart. R/U pump truck on tubing pumped out plug @ 1600 psi pumped 15 bbls @ 1 bpm @ 1000# CIW R/D pump truck R/D pulling unit hooked up injection line open well. Notified pumper that well was back on line SD.  
 DWC \$7751 CWC \$112,397