



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Job: Initial Completion, Start Date: 8/2/2017				
Job Category Completion	Primary Job Type Initial Completion	Secondary Job Type	Start Date 8/2/2017	End Date 2/11/2018
AFE Number DD.2015.07308	Total AFE Amount (Cost) 4,215,624.00	Total Field Estimate (Cost) 7,501,812.37	Total Final Invoice (Cost) -2,550,774.70	
End of Job Summary				

Notes for Next Job				
Operations Next Report Period				

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
1.0	8/2/2017	8/3/2017	6,476.30	6,476.30	Cont rpt to AFE 1507308 for Initial Completion. No Venting. Review JSA. Hold SM. Initiate SOP's. Install risers & fill cellar. MIRU Motley WLU. RIH w/6" GR/JB. Tg @ 217'. POH. Rec lg pc rubber (pos fr drlg rig stripping rubber). RIH w/4.625" GR & JB to 11,468' (liner top). POH. No trash recd. RIH w/GR/CCL/CBL. Log fr/11,480' - surf. Install cap on WH. RDMO WLU. Susp rpts pending MIRU CTU & CO lateral. CMIC-Rob Lane		
2.0	11/9/2017	11/10/2017	23,423.61	29,899.91	Crew travel to wellsite. Held PJSM, review, initiated SOP procedures. SICP 0 psig. No venting. RU Big E pump and iron, hydrotest 10k. Test frac tree 10,000 psig. Test casing to 7500 psig 30 minutes. Walked pump up to 8000 psig waited 5 min, sleeve did not open, Walked pump up to 8500 psig wait 5 min sleeve did not open. Walked up to 9000 psig sleeve did not open. Walked up to 9320 psig sleeve opened, increased rate to 3 bpm until max psi 9500 psig, SD. Pressure bled down to 6800 psig brought rate up to 3 bpm 8800 psig then pressure increased to 9500 psig and did not bleed down. Lost 38 psig in 30 minutes. RD BIG E pump. Contacted engineering, Will have CT CO. Secure/shut-in well CMIC Eddie Hargrove 47 bbls pumped		
3.0	11/10/2017	11/11/2017	1,400.00	31,299.91	Checked on location, set up all support equipment to be MIRU. CMIC: David Johnson		
4.0	11/11/2017	11/12/2017	31,458.00	62,757.91	No Venting. Held SM and reviewed JSA's. Safezone containment MI set up. Working tanks, floweback, and acid tanks MIRU. Tri-State reconfigure well head. Held JSA safety meeting with night crews with all parties involved. Continue staging equipment on location, rig up flowback(F2) and coil unit(key). Cut coil (2 3/8") and make up BHA as followed; CTC, BPV, JAR, DISC, XO, XO, ADJ, XO, XO, WASH. Test @ surface (good, 2BPM@600PSI) test stack (leaking), had to replace a seal on lubricator, test stack and flowbak lines (good) opening well pressure 3400PSI, start in hole with coil.14,300' @5AM CMIC: Days-David Johnson // Nights-Earl Cote		

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5.0	11/12/2017	11/13/2017	54,133.00	116,890.91	No Venting. Hold SM and reviw JSA's. Continue to RIH with Key Energy 2 3/8" CTU and Vortech BHA, currently @ 17,340". CRIH with CT and BHA. Encountering friction, 19,519' PU then CRIH. Running POP and FR . PR is 3.5bpm in/out. Run 90 visc gel sweep followed by bekalube. Continue to RIH to 19,964' tag hard, worked it. Pulled up 500', RBIH. RIH to 20,015', tagged hard three (3) times, washed on it, did not make any progress. Office notified. Did dbl bottom ups, POOH . OOH with CT and BHA. Make up Nine Energy Gun string consisting of 12 guns length of 42.85'. RIH with CT and TCP string to 20,005'. Bottom shot @ 20,010' top shot @ 19,889'. POOH with CT and TCP BHA. CMIC: Days-David Johnson // Nights-Earl Cote		
6.0	11/13/2017	11/14/2017	85,651.50	202,542.41	No Venting. Hold SM and review JSA's. Continue to POOH with CT and TCP BHA. OOH with CT and TCP BHA. All shots fired. Nine Energy RDMO. Vortech tools RDMO. Wait on Cudd for injection test. Held JSA safety meeting. RU Cudd and get injection rate, OP-97PSI, pumped 1171 bbls total and 851 bbls to get rate, SIP 5260PSI. RD Cudd and start rigging down Key Coil. CMIC: Days-David Johnson // Nights-Earl Cote		
7.0	11/14/2017	11/15/2017	33,338.00	235,880.41	No Venting. Hold SM and review JSA's. Key Energy CTU RDMO, F2 flowback MIRU. Cudd frac MIRU. Reliance WL MIRU. CMIC: Ken Perry / Brenden Davidson		
8.0	11/15/2017	11/16/2017	101,006.20	336,886.61	No Venting. Hold SM and review JSA's. Cont. MIRU Cudd Frac. Reliance WL MIRU. Pressure test Frac Iron 9500 psi good test. Pressure test flowback iron 9500 psi, pressure test N2 pop off @ 9,100psi. Pump stage 1 to completion AIR 59.8, MIR 61.4, ATP 8,466, MTP 8,824. PU WL and Function test BOP, good. Pressure test lubricator to 9500 psi, good. RIH w/ WL set plug at 19,875' ASF log while POOH at time of report..BD BWLTR: 7216 CMIC: Ken Perry / Branden Davidson		

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9.0	11/16/2017	11/17/2017	215,685.38	552,571.99	No Venting. Hold SM and review JSA's. Pressure test 9,500. Good test. Start stage 2 frac. Stage 2 pumped to completion. RIH w/WL to perf stage 3. ASF. POOH. Weatherford trufrac plug set @ 19,726 ft. HSM reviewed JSAs and initiated SOPs. Prime and presure test for stage 3. Cut stage early due to pressure, 224,336 lbs 100m, 0 lbs 40/70. ATP 8,448 MTP 9,100 AIR 58.7 MIR 78.4. PU WL and RIH to perf for stage 4 at time of report BD BWLTR: 39,314 CMIC: Ken Perry / Brenden Davidson		
10.0	11/17/2017	11/18/2017	116,927.53	669,499.52	No Venting. Hold SM and review JSA's. RIH w/WL to perf stage 4. WL had misrun plug set but 3 guns didn't fire. POOH. make up new gunstring. RBIH for 2nd run on stage 4. ASF. POOH. Weatherford Trufrac plug set @ 19,574. Grease wellhead frac valves. Drop Ball. Set popoffs 9,200 psi. Pressure Test 9,500 psi. Good test. Pump stage 4 to completion ATP 8,348 MTP 9,195 AIR 66 MIR 71.8. RIH w/WL set plug at 19,428' ASF POOH. Prime ad pressure test to 9,500 psi for stage 5, good test. Start stage 5 at time of report. BD BWLTR:56,259 CMIC: Ken Perry / Brenden Davidson		

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11.0	11/18/2017	11/19/2017	194,377.53	863,877.05	No Venting. Hold SM and review JSA's. Cont. to pump stage 5 frac. Stage 5 Called office to notify of pressure's and rate. Stage called early due to pressure. 24,939 # of 100 mesh in formation. AIR= 63.2 ATP 8,349 MTP 9,314. Crane Shutdown due to high winds. RIH w/WL to perf stage 6. Office made decision to not run plug. ASF. POOH. Shift Change. Hold SM and review JSA's. Primed and pressure tested to 9500 for stage 6. Pumped stage 6 to completion. ATP 7,543 MTP 9,274, AIR 51.2 MIR 59.4. RIH w/ WL set plug at 19,133' ASF POOH at time of report. BD BWLTR: 83,362 CMIC: Ken Perry / Brenden Davidson		
12.0	11/19/2017	11/20/2017	210,812.28	1,074,689.33	No Venting. Hold SM and review JSA's. Pressure Test 9,500 psi. Good Test. Start stage 7 Frac. Stage pumped to completion. RIH w/WL to Perf stage 8. ASF. Weatherford trufrac plug set @ 18,981. Pressure Test 9,500 psi. Good Test. Start stage 8 frac. Shift Change. Hold SM and review JSA's. cont. pumping stage 8. Stage 8 pumped to completion. AIR= 47.3 ATP= 7,786 MTP= 9,327. RIH w/WL to perf stage 9. ASF. POOH. Weatherford trufrac plug set @ 18,832. Pressure test 9,500 psi. Good Test. Start stage 9 frac. BWLTR: 110,343 CMIC: Ken Perry / Brenden Davidson		

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13.0	11/20/2017	11/21/2017	283,764.45	1,358,453.78	No Venting. Hold SM and review JSA's. Cont. to Pump stage 9 Frac. Stage 9 pumped to completion. AIR= 57.2 ATP= 7,958 MTP= 8,629. RIH w/WL to Perf stage 10. ASF. POOH. Weatherford Trufrac plug set @ 18,683. Grease hand greased wellhead valves. Pressure test 9,500 psi. Pressure test failed. Cudd replaced check valve on a pump. NPT 1330 to 1430. 1 hr. Repressure test 9,500. Good test. Start stage 10 frac. Shift Change. Hold SM and review JSA's. Pumped stage 10 to completion AIR 51.3 MIR 58.7 ATP 8032, MTP 9028. RIH w/ WL set plug @ 18,534' ASF POOH. Prime and pressure test to 9500, Pumped stage 11 to completion AIR 49.9 MIR 62.9 ATP 8215 MTP 8894. BWLTR:134,186 CMIC: Ken Perry / Brenden Davidson		
14.0	11/21/2017	11/22/2017	215,634.48	1,574,088.26	No Venting. Hold SM and review JSA's. RIH w/WL to perf stage 12. ASF. POOH. weatherford Trufrac plug set @ 18,385. Pressure test 9,500 psi. Good test. Frac stage 12. Stage 12 pumped to completion. AIR= 57.5 AIR= 7,995 MTP= 8,727. WL crane. Shut down due to high winds. 1500 to 1730. 2.5 hours NPT. RIH w/WL to perf stage 13. Shift Change. Hold SM and review JSAs. Set plug at 18,236' ASF POOH. Pressure test for stage 13 to 9500. pumped stage 13 to completion AIR 56.5 MIR 68.4 ATP 8,413 MTP 9,379. RIH w/ WL set plug @18,087' ASF POOH. Pressure test for stage 14 to 9,500. BWLTR:175,148 CMIC: Ken Perry / Branden Davidson		
15.0	11/22/2017	11/23/2017	118,069.75	1,692,158.01	No Venting. Hold SM and review JSA's. Pressure test 9,500 psi. Start stage 14 frac. During stage 14 Cudd having pump problems. Shutdown. Cudd swaping pumps. Restarted stage, pumped to completion, AIR 63.8 MIR 67.7 ATP 8,314 MTP 8,987. Shut down all ops till 11-26 BWLTR: 190,863 CMIC: Ken Perry / Branden Davidson		



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16.0	11/26/2017	11/27/2017	209,420.81	1,901,578.82	No venting, Hold SM, and review JSA's Pressure tests 9500, Stage 15 pumped to completion. MTP-8860, ATP-7994, AIR-53.4, MIR-64.3. RIH WL stage 16, ASF,POOH. Pressure test 9500 Pumped stage 16 to completion. MTP-9180, ATP-7814, AIR-55.2, MIR-61.5. BWL TR; 217,528 CMIC:Days, Zach Smith/Nights, Jack O'Kelley		
17.0	11/27/2017	11/28/2017	295,937.96	2,197,516.78	No Venting, HSM, Review JSA,SOP's. RIH WL to perf stage 17. Plug set @ 17605' (WFT 4 1/2" Shorty) ASF POOH. Drop Ball and frac stage 17, all sand pumped. RIH WL to perf stage 18. Plug set @ 17,491' (WFT 4 1/2" Shorty). Drop ball and frac stage 18, pumped to completion. RIH WL to perf stage 19. Plug set @ 17,342' (WFT 4 1/2" shorty). Drop ball and frac stage 19, all sand pumped. CMIC: Days-Zach Smith/Nights - Jack O'Kelley		
18.0	11/28/2017	11/29/2017	109,830.90	2,307,347.68	No Venting, HSM, review SOP's and JSA's. RIH WL to perf stage 20, Plug set @17159'(WFT Shorty). Drop ball and frac stage 20 pumped to design. RIH WL to perf stage 21. WL hung up at @16692(CCL). Surged well, unhung, POH @65 ft/m with plug and gun string. RIH WL stage 21 Plug set at 17,044, 2 shots fired, missrun. POOH at time of report. BWL TR: CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
19.0	11/29/2017	11/30/2017	815,647.74	3,122,995.42	No Venting, HSM, Review S.O.P's ands J.S.A's. RIH WL Stage 21 (3rd), miss run POOH, new gun string RIH WL stage 21 (4th), ASF POOH. Drop ball frac stage 21, pumped to design. RIH WL to perf stage 22, plug set @16895' (WFT Shorty) ASF POOH Drop ball, frac stage 22. pumped to design. RIH WL stage 23 ASF POOH. (WFT 4 1/2" Shorty) Plug set @ 16,743. Drop ball frac stage 22. Pumped to design. RIH WL stage 24 ASF POOH, (WFT 4 1/2" shorty) Plug set @ 16597. POOH at time of report BWL TR: 288,503 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		



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20.0	11/30/2017	12/1/2017	109,819.20	3,232,814.62	No Venting HSM, Review S. O. P's and J. S. A's. Drop ball and frac stage 24, pumped to design. RIH WL to perf stage 25, plug set @16448 (WFT Shorty) ASF POOH. Drop ball and frac stage 25. Shut down durring 1lb sand stage for safety stand down. Well flushed. Still under safety stand down at time of report BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
21.0	12/1/2017	12/2/2017	9,191.00	3,242,005.62	No Venting, HSM, Review JSA/SOP's. WO Cudd to RDMO. BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
22.0	12/2/2017	12/3/2017	9,191.00	3,251,196.62	No Venting. Cudd Moving sand and sand equipment off location. BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
23.0	12/3/2017	12/4/2017	9,191.00	3,260,387.62	No Venting. Cudd Moving sand and sand equipment off location. BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
24.0	12/4/2017	12/5/2017	9,191.00	3,269,578.62	No Venting. HSM, review JSA's,SOP's. MIRU C&J frac spread and solaris sand silos BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Jack O'Kelley		
25.0	12/5/2017	12/6/2017	9,191.00	3,278,769.62	No Venting. HSM, review SOP's JSA's. MIRU C&J frac spread and solaris sand silos. BWL TR: 297,179 CMIC: Days - Zach Smith/Nights - Chris Nunez		

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26.0	12/6/2017	12/7/2017	11,791.00	3,290,560.62	No Venting. HSM, review SOP's JSA's. MIRU C&J frac spread. BWL TR: 297,179 CMIC: Days - Cameron McMillan, Nights- Chris Nunez		
27.0	12/7/2017	12/8/2017	101,521.81	3,392,082.43	No Venting. HSM, review SOP's JSA's. MIRU C&J frac spread, and WL. Pressure test to 9,500 for 5min, test pop off to 9,300. Conducted safety meeting with all parties on location, reviewed JSAs and SOPs. Resumed stage 25 at time of report BD. HSM, review SOP's JSA's. Continue to Frac stage 25. C & J frac computers started to freeze up. Flush well and shutdown to fix computers. NPT 1900 to 2100. 2 hr. NPT. Resume fracing stage 25. Stage 25 pumped to completion. AIR=65.4 ATP=8,371 MTP= 8,747. After stage the C & J frac treater said that they needed to swap out iron on missle because the iron inspected by Woodflo has a high failure rate. They got a email to swap iron out from there management Iron was banded and is good till Feb. 2018. Down waiting on iron starting @ 0130. BWL TR: 310,205 CMIC: Days - Branden Davidson, Nights- Ken Perry		
28.0	12/8/2017	12/9/2017	22,691.00	3,414,773.43	No Venting. HSM will all parties on location, reviewed JSAs and initiated SOPs. Currently replacing iron and verifying iron certifications at time of report 13:36 BD Shift Change. HSM, review SOP's JSA's. Continue to wait on C & J frac to get correct iron verification paperwork for the iron they are replacing on the missle. Iron and verification paperwork. Verified. Frac replaced iron on missle reinstall Iron restraints. Pressure test iron to 9,500 psi. Good Test. Time 0430 Fuction test WL BOP's. Good Test. Pressure Test WL lubricator 9,000 psi. Good Test. Total NPT time C & J frac. 27 Hrs. BWL TR: 310,205 CMIC: Days - Branden Davidson, Nights- Ken Perry		



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29.0	12/9/2017	12/10/2017	201,607.81	3,616,381.24	No Venting, HSM with all parties on location, Reviewed JSAs and SOPs. RIH w/WL set Weatherford tru frac plug @16,299 for stage 26 ASF POOH. Prime and pressure test to 9,500psi, good test. Pumped stage 26 to completion. AIR 57, MIR 71, ATP 8,407, MTP 8,981. RIH w/ WL set Weatherford tru frac plug @ 16,150' for stage 27 ASF POOH at time of report BD Shift Change. HSM, review SOP's JSA's. Pressure Test 9,500 psi. Good test. Start stage 27 Frac. Stage 27 pumped to completion. AIR= 59.9 AIR= 8,387 MTP= 8,810. RIH w/WL to perf stage 28. ASF. POOH. weatherford trufrac plug set @ 16,001. Grease Well head. Pressure Test 9,500 psi. Good Test. Start stage 28 Frac. BWL TR: 328,780 CMIC: Days - Branden Davidson, Nights- Ken Perry		
30.0	12/10/2017	12/11/2017	377,102.49	3,993,483.73	No venting. HSM with all parties on location, reviewed JSAs and SOPs. Pumped stage 28 to completion AIR 63, MIR 74, ATP 8,439 MTP 8,862. RIH w/ WL set plug @ 15,852 for stage 29, ASF POOH. Prime and pressure test to 9,500, good test. Pumped stage 29 to completion AIR 64, MIR 74, ATP 8,429, MTP 8,894. RIH w/ WL set plug @ 15,703 for stage 30 ASF POOH. Prime up and pressure test to 9,500, good test. Start stage 30 Frac. Shift Change. HSM, review SOP's JSA's. Continue pumping stage 30. Pumped stage 30 to completion AIR 64.3, MIR 80.3, ATP 8,466, MTP 8,927. RIH w/WL to perf stage 31. ASF. POOH. Weatherford Trufrac Plug set @ 15,554. Grease Wellhead. Pressure test 9,500 psi. Good Test. Start stage 31 frac. Stage 31 pumped to completion. AIR= 70.6 ATP= 8,424 MTP= 8,837 MIR= 80.3. RIH w/WL to perf stage 32. ASF. POOH. Weatherford Trufrac Plug set @ 15,405. Pressure test 9,500 psi. Good test. Start stage 32 frac. BWLTR:364,770 CMIC: Days- Branden Davidson, Nights- Ken Perry		

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31.0	12/11/2017	12/12/2017	285,626.30	4,279,110.03	<p>No venting. HSM w/ all parties on location, reviewed JSAs and SOPs. Pumped stage 32 to completion AIR 69.3 MIR 79.4 ATP 8,372 MTP 8,931. RIH w/ WL set plug @ 15,256' ASF POOH. Prime and pressure test for stage 33, good test. Pumped stage 33 to completion AIR 68.7 MIR 82.4 ATP 8,343 MTP 8,948. Function test WL BOPs, good test. RIH w/WL for stage 34 set plug @ 15,107' ASF POOH. Grease top, bottom, and crown valve on frac stack. Prime and test to 9,500, good test. Pumping stage 34 at time of report. BD. Shift Change. HSM, review SOP's JSA's. Continue to pump stage 34. Stage 34 pumped to completion. AIR= 61.6 ATP= 8,318 MTP= 8,952 MIR= 79.7. Pressure test flowback iron through flowcross noticed inside valve leaking water out the back. Down waiting on Tri-state valve. Valve on location. Reinstalling new valve on flowcross. @ time of report. NPT on Tri-State started at 2100 -</p> <p>BWLTR:392,001</p> <p>CMIC: Days: Branden Davidson/ Nights: Ken Perry</p>		
32.0	12/12/2017	12/13/2017	18,241.00	4,297,351.03	<p>No venting. HSM with all parties on location. Reviewed JSAs and SOPs. continue to install new flow cross valve(total NPT 13hrs). Pressure tested frac stack to 9500, good test. Set inline popoff @ 9,300. Pressure tested flowback iron, failed, replaced iron seal on choke manifold(NPT 1.5hrs). Retest flowback to 9,000, good test. Function test WL BOPs and Pressure test WL to 9,000, good test. RIH w/ WL set plug at 14,955' ASF POOH. Pressure test for stage 35. Top master valve failed test. Tri-State to replace top master valve NPT start time 1700. Shift Change. HSM, review SOP's JSA's Continue to wait on new valve. Valve arrived on location. Rigdown wellhead and replace valve. Rig back up flowback iron to flowcross. Rig back up frac riserlines to goathead. Re Install iron restraints.</p> <p>BWLTR:392,001</p> <p>CMIC: Days-Branden Davidson/ Nights- Ken Perry</p>		

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33.0	12/13/2017	12/14/2017	286,596.57	4,583,947.60	<p>No venting. HSM with all parties on location. Reviewed JSAs and SOPS. Continue to rig frac iron up to well head and install restraints. (Total NPT for Tristate Top master valve failure 11 hrs). Pressure test frac stack to 9,900 for 15 minutes, good test. Pressure test flow back iron to 9,000 for 5 minutes, good test. Pump stage 35 to completion AIR 65.3 MIR 83.3 ATP 8,413 MTP 8,997. Function test WL BOPs, good. RIH w/ WL set plug @ 14,809' ASF POOH. Wait on C&J frac to finish pump maint/repairs (1hr NPT) Pressure test to 9500, good test. Start stage 36 frac at time of report. Shift Change. HSM, review SOP's JSA's. Continue to pump stage 36 frac. Stage 36 pumped to completion. AIR= 71.3 ATP= 8,418 MTP= 8,962 MIR= 84.3. RIH w/WL to perf stage 37. ASF. POOH. Weatherford Trufrac plug set @ 14,660. Grease wellhead. Pressure test 9,500 psi. Good Test. Start stage 37 frac. Stage 37 pumped to completion. AIR= 71.4 ATP= 8,380 MTP= 8,923 MIR= 89.3. RIH w/WL to perf stage 38. ASF. POOH. Weatherford Trufrac plug set @ 14,512. Pressure test 9,500 psi. Good test. Start stage 38 frac.</p> <p>BWLTR:419,212</p> <p>CMIC: Days-Branden Davidson/ Nights-Ken Perry</p>		
34.0	12/14/2017	12/15/2017	280,170.88	4,864,118.48	<p>No venting. HSM with all parties on location. Reviewed JSAs and SOPS. Pumped stage 38 to completion AIR 67.9, MIR 91, ATP 8,370, MTP 8,932. RIH w/ WL set plug @ 14,362' ASF POOH. Prime and pressure test to 9,500, good test. Pump stage 39 to completion. AIR 72.4, MIR 91, ATP 8,426, MTP 9,180. RIH with WL for stage 40. ASF. POOH. Weatherford Trufrac plug set @ 14,213. Grease Wellhead. Currently waitng for Tristate to arrive with replacement tools Shift Change. HSM, review SOP's JSA's. Continue to wait on Tristate to get part and tools to change grease fitting. Total NPT 1700 to 0100. 6 Hrs. Pressure test 9,500 psi. Good test. Frac stage 40. Stage 40 pumped to completion. AIR= 60.8 ATP= 8,387 MTP= 8,845 MIR 90.9. RIH w/WL to Perf stage 41.</p> <p>BWLTR;446,440</p> <p>CMIC: Days-Branden Davidson/Nights-Ken Perry</p>		

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Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
35.0	12/15/2017	12/16/2017	291,454.22	5,155,572.70	No venting. HSM with all parties on location. Reviewed JSAs and SOPS. RIH w/ WL set plug at 14,064' for stage 41 ASF POOH. Prime and pressure test to 9,500 for 5 min, good test. Pumped stage 41 to completion AIR 74.6, MIR 92, ATP 8,375, MTP 9,200. RIH w/WL set plug @ 13,915' for stage 42. Prime and pressure test to 9,500 for 5 min, good test. Pumped stage 42 to completion AIR 75.3, MIR 91.5, ATP 8,370, MTP 8,752. RIH w/ WL set plug @ 13,766' ASF POOH at time of report BD. Shift Change. HSM, review SOP's JSA's. Grease Wellhead. Pressure Test 9,500. Good Test. Start stage 43 Frac. Stage 43 pumped to completion. AIR=73.9 ATP= 8,342 MTP= 8,854 MIR= 90.1. RIH w/WL to perf stage 44. ASF. POOH. Weatherford Trufrac plug set @ 13,617. Pressure test 9,500. Frac stage 44. BWLTR:472,552 CMIC: Days-Branden Davidson/Nights-Ken Perry		
36.0	12/16/2017	12/17/2017	284,930.97	5,440,503.67	No venting. HSM with all parties on location. Reviewed JSAs and SOPS. Pumped stage 44 to completion. AIR 72.2, MIR 90.7, ATP 8,121, MTP 8,956. RIH w/ WL set plug @ 13,467' for stage 45. (8.5 hrs to rig up flow back iron to bleed down 1302H. Currently starting up pumps to prime up. Shift Change. HSM, review SOP's JSA's. Pressure test 9,500 psi. Good test. Start stage 45 frac. Stage 45 pumped to completion. AIR= 71.9 ATP 8,301 MTP= 8,954 MIR= 88.4. RIH w/WL to perf stage 46. ASF. POOH. Weatherford Trufrac plug set @ 13,319. Pressure test 9,500 psi. Start stage 46. Stage pumped to completion. AIR= 75.9 ATP= 8,188 MTP= 8,639 MIR= 90.1. RIH w/WL to perf stage 47. ASF. POOH. Weatherford Trufrac plug set @ 13,170. Grease wellhead. Pressure Test 9,500 psi. Good test. Start stage 47 Frac. BWLTR:498,236 CMIC: Days-Branden Davidson/Nights-Ken Perry		
37.0	12/17/2017	12/18/2017	193,728.15	5,634,231.82	No venting. HSM with all parties on location. Reviewed JSAs and SOPS. pumped stage 47 to completion, AIR 73.4, MIR 91, ATP 8,158, MTP 8,963. RIH w/ WL and set plug @ 13,024' ASF POOH. Bleed down offset wells to continue pumping. (NPT 8hrs) Shift Change. HSM, review SOP's JSA's. Pressure test 9,500 psi. Good test. Start stage 48 Frac. Stage 48 pumped to completion. AIR 59, MIR 90.3, ATP 7,821 MTP 9,578. RIH w/WL to perf stage 49. ASF. POOH. Weatherford Trufrac plug set @ 12,872. Pressure test 9,500 psi. Start stage 49 Frac. During stage had to flush well do to blender problems. Well flushed blender being swapped out. NPT on C & J starting at 0200. BWLTR: 515,503 CMIC: Days-Branden Davidson/Nights-Ken Perry		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
38.0	12/18/2017	12/19/2017	224,787.33	5,859,019.15	No venting. HSM with all parties on location. Reviewed JSAs and SOPs. Continue to swap blenders(9hrs NPT). Resume stage 49, pumped to completion. AIR 66.4, ATP 8,038, MIR 91, MTP 8,874. RIH with WL set plug @ 12,723' ASF POOH. Wait to start frac to finish pumping KWF on 1304H. Prime and pressure test to 9,500 for 5 min, good test. Start stage 50 @ time of report. BD Shift Change. HSM, review SOP's JSA's. Continue to frac stage 50. During stage had to SD due to small leak on low torque valve. During 1.5# 100 mesh. Well flushed. SD closed in well bleed off. Valve swapped. Pressure test 9,500. Continue stage 50. Stage pumped to completion. AIR= 60.6 ATP= 7,903 MTP= 8,974 MIR= 86.9. RIH w/WL to perf. stage 51. ASF. POOH. Weatherford Truf frac plug set @ 12,574. Pressure test 9,500 psi. Start stage 51. During stage on .5 # 100 mesh C & J lost FR flushed well and shutdown. Resumed stage 51. Stage 51 pumped to completion. AIR= 65.8 ATP= 7,827 MTP= 9,042 MIR= 91. RIH w/WL to perf stage 52. ASF. POOH. Weatherford Truf frac plug set @ 12,425. Pressure Test 9,500 psi. Start stage 52 Frac. BWLTR:545,234 CMIC: Days-Branden Davidson/Nights-Ken Perry		
39.0	12/19/2017	12/20/2017	754,347.91	6,613,367.06	No venting. HSM with all parties on location. Reviewed JSAs and SOPs. Pumped stage 52 to completion. AIR 67.5, ATP 8,480, MTP 8,950, MIR 91. Shut in and bleed off surface equipment. RDMO Frac and WL.. Sspd rpt for AFE 1507308 pending drillout. BWLTR: 553,813 CMIC: Days-Branden Davidson/Nights-Chris Porter		
40.0	1/24/2018	1/25/2018	19,916.00	6,633,283.06	Cont. report for AFE # 1507308No Venting. Hold SM. Review JSAs, Inisite SOPs. MIRU (CTP) 2.375 CT and crane, NU CTP 15K BOP's to frac stack.Trionz Flowback, Sand-X and Nichols mix plant, Weld on Adroit 2.88"x.40" CT connector, Pull test to 35,000 lbs, Test good, Pressure test to 2500 psi. Test Good. Make up Motley 2.88 x 1.25' Dual Flapper Valve, 2.88 "x5.00' NOV bi directional Hydraulic jars, 2.88"x1.55' Hydraulic disconnect, 2.88"x.45' Circ sub, 2.88 "x3.00' flex sub, 2.88 "x4.33'-130 Agitator, 2.88"x3.00' flex sub, 4 bpm Even Wall Motor (2.88"x14.16') motor, 2.88"x1.01' XO and a 3 3/4" JZ tri cone bit, Total BHA = 34.23'. Function test motor 2 bpm @ 1750 psi. , Test good, Make up lubricator to BOP's, Test lubricator, Welheadl and flowback manifold to 7,500psi. Test OK. SICP= 3,100 psig. CTP broke down on reel truck. CMIC:Dayt- D.King/NightB.Lambeth		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
41.0	1/25/2018	1/26/2018	29,761.00	6,663,044.06	No venting. Hold SM. Review JSAs, Inisate SOPs. WO mechanic for repairs. SICIP 3,100 psig. OW. RIH CT to DO CFPs. RIH CT to 12,432' (plug #1 CTM). DO plug #1 in 6 min @ 3.0 BPM, circ pressure @ 5,500 psig & WH press @ 3,400 psig. Pump 10 bbl 80 vis gel sweep. RIH CT to 12,575' (plug #2 CTM). DO plug #2 in 8 min @ 3.0 BPM, circ pressure @ 5,600 psig & WH press @ 3,300 psig. Pump 10 bbbbl 80 vis gel sweep. RIH CT to 12,722' (plug #3 CTM). DO plug #3 in 7 min @ 3.0 BPM, circ pressure @ 5,300 psig & WH press @ 2,800 psig. Pump 10 bbl 80 vis gel sweep. RIH CT to 12,872' (plug #4 CTM). DO plug #4 in 9 min @ 3.0 BPM, circ pressure @ 4,800 psig & WH press @ 2,500 psig. Pump 10 bbl 80 vis gel sweep. RIH CT to 13,025' (plug #5 CTM). DO plug #5 in 17 min @ 3.0 BPM, circ pressure @ 4,750 psig & WH press @ 2,300 psig. Pump 10 bbl 80 vis gel sweep. RIH CT to 13,171' (plug #6 CTM). DO plug #6 @ 3.0 BPM, circ pressure @ 4,700 psig & WH press @ 2,700 psig. Picked up off plug #6, POOH due to flowback equipment failure. CMIC:Day- Danny King/Night-Michael Harris		

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Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
42.0	1/26/2018	1/27/2018	49,011.00	6,712,055.06	No venting. Hold SM. Review JSAs, Inisiatie SOPs.SICP 3,000 psig. OW. RIH CT to 13,172' (Plug #6). DO plug in 15 min @ 3.0 BPM, Circ Press 5,780 psig, & WH 3,400 psig, pmp 10 bbl 80 visc sweep. RIH CT to 13,320' (Plug #7). DO plug in 8 min @ 3.0 BPM, Circ Press 5,790 psig, & WH 3,400 psig, pmp 10 bbl 80 visc sweep. RIH CT to 13,468' (Plug #8). DO plug in 11 min @ 3.0 BPM, Circ Press 5,550 psig, & WH 3,270 psig, pmp 10 bbl 80 visc sweep. RIH CT to 13,620' (Plug #9). DO plug in 15 min @ 3.0 BPM, Circ Press 5,700 psig, & WH 3,150 psig, pmp 10 bbl 80 visc sweep. RIH CT to 13,772' (Plug #10). DO plug in 12 min @ 3.0 BPM, Circ Press 5,820 psig, & WH 3,400 psig, pmp 10 bbl 80 visc sweep. RIH CT to 13,920' (Plug #11). DO plug in 16 min @ 3.0 BPM, Circ Press 6,000 psig, & WH 3,150 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,066' (Plug #12). DO plug in 9 min @ 3.0 BPM, Circ Press 6,000 psig, & WH 3,100 psig, pmp 10 bbl 80 visc sweep. Pmp bottoms up. Recovered minimal plug parts. Pmp 10-20-10 bbl 80 visc sweep. Make short trip to 11,300' RIH CT to 14,210' (Plug #13). DO plug in 5 min @ 3.0 BPM, Circ Press 5,800 psig, & WH 3,000 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,354' (Plug #14). DO plug in 7 min @ 3.25 BPM, Circ Press 5,800 psig, & WH 3,000 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,509' (Plug #15). DO plug in 9 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,800 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,658' (Plug #16). DO plug in 7 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,700 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,808' (Plug #17). DO plug in 9 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,500 psig, pmp 10 bbl 80 visc sweep. RIH CT to 14,956' (Plug #18). DO plug in 5 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,500 psig, pmp 10 bbl 80 visc sweep. RIH CT to 15,104' (Plug #19). DO plug in 12 min @ 3.25 BPM, Circ Press 5,500 psig, & WH 2,500 psig, pmp 10 bbl 80 vis sweep.	RIH CT to 15,262' (Plug #20). DO plug in 10 min @ 3.25 BPM, Circ Press 5,500 psig, & WH 2,400 psig, pmp 10 bbl 80 visc sweep. RIH CT to 15,402' (Plug #21). DO plug in 7 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,500 psig, pmp 10 bbl 80 visc sweep. POOH to vertical due to flowbackequipment failure. RIH CT to 15,565' (Plug #22). DO plug in 5 min @ 3.25 BPM, Circ Press 5,500 psig, & WH 2,600 psig. RIH CT to 15,711' (Plug #23). DO plug in 7 min @ 3.25 BPM, Circ Press 5,800 psig, & WH 2,540 psig, pmp 10 bbl 80 visc sweep. RIH CT to 15,863' (Plug #24). DO plug in 10 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,500 psig. RIH CT to 16,012' (Plug #25). DO plug in 10 min @ 3.25 BPM, Circ Press 5,500 psig, & WH 2,300 psig, pmp 10 bbl 80 visc sweep. RIH CT to 16,160' (Plug #26). DO plug in 12 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,500 psig.	
					CMIC Days-Danny King/ Nights-Michael Harris	CMIC Days-Danny King/ Nights-Michael Harris	



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
43.0	1/27/2018	1/28/2018	29,761.00	6,741,816.06	No venting. Hold SM. Review JSAs, InitiateSOPs. RIH CT to 16,303' (Plug #27). DO plug in 19 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,550 psig. RIH CT to 16,456' (Plug #28). DO plug in 13 min @ 3.25 BPM, Circ Press 5,800 psig, & WH 2,550 psig, pmp 10 bbl 80 vis sweep. RIH CT to 16,607' (Plug #29). DO plug in 13 min @ 3.25 BPM, Circ Press 5,800 psig, & WH 2,550 psig, RIH CT to 16,760' (Plug #30). DO plug in 12 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 3050 psig, pmp 10 bbl 80 vis sweep. RIH CT to 16,906' (Plug #31). DO plug in 17 min @ 3.25 BPM, Circ Press 5,980 psig, & WH 3,050 psig, RIH CT to 17,051' (Plug #32). DO plug in 7 min @ 3.25 BPM, Circ Press 6,250 psig, & WH 3,150 psig, pmp 10-10-10 bbl 80 vis sweep. Make ST to 11,350'. RIH CT to 17,208' (Plug #33). DO plug in 9 min @ 3.25 BPM, Circ Press 5,700 psig, & WH 2,500 psig, RIH CT to 17,360' (Plug #34). DO plug in 5 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,700 psig, pmp 10 bbl 80 vis sweep. RIH CT to 17,503' (Plug #35). DO plug in 18 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,700 psig, RIH CT to 17,648' (Plug #36). DO plug in 11 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,300 psig, pmp 10 bbl 80 vis sweep. RIH CT to 17,792' (Plug #37). DO plug in 14 min @ 3.25 BPM, Circ Press 5,500 psig, & WH 2,500 psig, RIH CT to 17,960' (Plug #38). DO plug in 14 min @ 3.25 BPM, Circ Press 5,600 psig, & WH 2,400 psig. pmp 5 bbl 80 vis sweep. RIH CT to 18,102' (Plug #39). Circ Press 5,600 psig, & WH 2,400 psig. pmp 10-20-10 bbl 80 vis sweep. AT time of report Make ST to 11,250'. CMIC Days-Danny King/ Nights-Michael Harris		
44.0	1/28/2018	1/29/2018	32,471.30	6,774,287.36	No venting. Hold SM. Review JSAs, Initiate SOPs. Cont. Short trip to 11,250' RIH CT to 16,200'. Decision was made to POOH to run new BHA. OOH w/CT & BHA. (Lost cones off bit) Decision was made to RIH w/ 5 bladed junk mill. WO welder . Weld on Adroit 2.88"x.40" CT connector, Pull test to 35,000 lbs, Test good, Pressure test to 2,500 psi. Test Good. Make up Motley 2.88 x 1.25' Dual Flapper Valve, 2.88 "x5.00' NOV bi directional Hydraulic jars, 2.88"x1.55' Hydraulic disconnect, 2.88"x.45' Circ sub, 2.88 "x3.00' flex sub, 2.88 "x4.33'-160 Agitator, 2.88"x3.00' flex sub, 4 bpm Even Wall Motor (2.88"x14.16') motor, 3.75"x1.20' 5 Blade Junk Mill, Total BHA = 33.98'. Function test motor 2 bpm @ 1,200 psi. ,Test good, Make up lubricator to BOP's, Test lubricator, Wellhead and flowback manifold to 7,500 psi. Test good. SICP= 3,000 psig. OW. RIH CTU to DO CFP's. RIH CT to 18,101' Mill Cones & (Plug #39). DO plug and cones in 40 min @ 3 BPM, Circ Press 5,500 psig, & WH 2,800 psig. pmp 10 bbl 80 vis sweep. RIH CT to 18,253' (Plug #40). DO plug in 22 min @ 3.75 BPM, Circ Press 6,300 psig, & WH 2,800 psig, pmp 10 bbl 80 vis sweep @ time of report. CMIC Days-Danny King/ Nights-Michael Harris		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
45.0	1/29/2018	1/30/2018	29,761.00	6,804,048.36	No venting. Hold SM. Review JSAs, Initiate SOPs. RIH CT. Tag plug 41 @ 18,401'. DO in 20 min @ 3.75 BPM, Circ press 6,700 Psig, WH 2,750 psig, pmp 10 bbl 80 vis sweep. RIH CT. Tag plug 42 @ 18,552'. DO in 20 min @ 3.75 BPM, Circ press 6,700 Psig, pmp 10 bbl 80 vis sweep, WH 2,750 psig. RIH CT. Tag plug 4 @ 18,693'. Stalled motor. (3.5 hrs) Pmp 10 bbl 80 visc. Pulled 102K w/CT to jar off plug, surged well & freed mill. POOH CT to check BHA. OOH CT. 5 Blade Junk Mill wore down, Replace with 3.75"x1.20' 5 Blade Junk Mill. Weld on Adroit 2.88"x.40" CT connector, Motley 2.88 x 1.25' Dual Flapper Valve, 2.88 "x5.00' NOV bi directional Hydraulic jars, 2.88"x1.55' Hydraulic disconnect, 2.88"x.45' Circ sub, 2.88 "x3.00' flex sub, 2.88 "x4.33'-160 Agitator, 2.88"x3.00' flex sub, 4 bpm Even Wall Motor (2.88"x14.16') motor, 3.75"x1.20' 5 Blade Junk Mill, Total BHA = 33.93'. Function test motor 2 bpm @ 1,500 psi. ,Test good, Make up lubricator to BOP's, Test lubricator, Wellhead and flowback manifold to 7,500 psi. Test good. SICP= 3,000 psig. OW. RIH CTU to DO CFP's. RIH CT to 12,263' (Possibly Drill #43,could have migrated up hole), Do in 40 Min @ 3.00 BPM, Circ press 5,500 psig, WH 2,800 psig. pmp 5 bbl 80 vis sweep. RIH CT to 18,693' to Plug #43, fighting friction. At time of report.		
46.0	1/30/2018	1/31/2018	29,761.00	6,833,809.36	No venting. Hold SM. Review JSAs, Initiate SOPs. Cont.RIH CT. Tag plug 43 @ 18,712', DO in 6 min @ 3.5 BPM, Circ press 6,900 psig, WH 2,450 psig. RIH CT. Tag plug 44 @ 18,885, DO in 21 min @ 3.5 BPM, Circ press 6,750 psig,WH 2,800 psig. RIH CT. Tag plug 45 @ 19,010' Do in 22 min @ 3.50PM, Circ press 6,750 psig, WH 2,800 psig, pmp10 bbl 80 visc sweep. RIH CT. RIH CT to 19,160' (Plug #46). DO plug in 19 min @ 3.5 BPM, Circ Press 7,000 psig, & WH 2,650 psig. Plug (#47) no show . RIH CT. RIH CT to 19,459' (Plug #48). DO plug in 19 min @ 3.50 BPM, Circ Press 6,500 psig, & WH 2,800 psig, pmp 10 bbl 80 vis sweep. .RIH CT to 19,605' (Plug #49). DO plug in 16 min @ 3.50 BPM, Circ Press 6,600 psig, & WH 2,700 psig, pmp 10 bbl 80 vis sweep. (Plug # 50) and (Plug #51) RIH CT to Toe sleeve. At time of report.		
47.0	1/31/2018	2/1/2018	355,362.73	7,189,172.09	No venting. Hold SM. Review JSAs, Initiate SOPs. Cont.RIH CT. to Toe sleeve. Fighting friction. Tagged Toe Sleeve @ 20,114'. PU and pump 10/10/10 80 vis. sweep. 3.5 BPM CP 7,188 psi. WHP 2,700 psi. POOH 10 min. after sweep left coil. Pump 10 BBL 80 vis. sweep. @ the curve. CTU BU. SWI. Bleed off BOP's & Flowback. CTU RDMO. NU Night Cap. SDFD. CMIC: Ken Perry / Mike Harris		
48.0	2/1/2018	2/2/2018	66,977.96	7,256,150.05	No venting. Hold SM w/ all vendors, Review JSAs. RU Blue Star Services HVAC to clean out sandx & flowback tanks. Clean location. CMIC Danny King		

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Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1307H

API/UWI 4249533710	SAP Cost Center ID 1698501001	Permit Number 813658	State/Province Texas	County Winkler
Surface Location	Spud Date 5/19/2017 17:00	Original KB Elevation (ft) 2,839.50	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
49.0	2/2/2018	2/3/2018	7,721.76	7,263,871.81	No venting. Hold SM w/ all vendors, Review JSAs. RU Blue Star Services VAC truck to clean out sandx & flowback tanks. Clean location. Released all tanks, lightplants, and containments. CMIC: Branden Davidson		
50.0	2/5/2018	2/6/2018	2,954.38	7,266,826.19	No venting, Review JSA, Initiate SOP's, Hold SM. MI Pulling unit, Spot Eq Secured well SDON, end of Daily report CMIC, Mo Gomez		
51.0	2/6/2018	2/7/2018	15,803.38	7,282,629.57	No Venting, Review JSA, Initiate SOP's, Hold SM. MIRU Basic rig #1539. FT Posi Stop. SICP 3100 psig, MIRU Renegade WLU RU & PT lube to 3500 psig Tstd OK, RIH w/ GR/JB (5.90 ") to 11,400'. POH GR, RIH w/dual 10K disc, 2.25R NP profile nip, 2-7/8" x 6' IPC tbg sub, Weatherford 7" NP AS1X pkr w/2.25F profile in on/off tl. Set pkr @ 11,390' per design w/csg @ 3100 psig, POH. BD csg to 0 psigt, RDMO WLU. SWI. SDFN. CMIC Mo Gomez		
52.0	2/7/2018	2/8/2018	8,554.38	7,291,183.95	No venting, Review JSA, Initiate SOP's, FT POSI STOP. Hold SM (Basic). SICP, 0 psig, MI 2-7/8" prod tbg, MI ND crew, ND frac stack, NU BOPE & PT to 3500 psig. PU & TIH Weatherford 7" on/off tool, 1 jt 2-7/8", 6 .5#, L-80, 8rd, EUE, TK-70XT IPC tbg, 1 GLV per design & 9 jts 2-7/8", 6 .5#, L-80, 8rd, EUE, TK-70XT IPC tbg tbg. SWI. SDFN. CMIC Mo Gomez		
53.0	2/8/2018	2/9/2018	2,954.38	7,294,138.33	No Venting, Review JSA, Hold SM. Initiate SOP's, SITP 0 psig. SICP 0 psig. FT Posi Stop, FT BOPE, MI NU Enviro Pan, TIH NU BHA 7 " on /off tool, TIH w/ GLV per design w/245jts. TBG 2 7/8" 8 rd eue, TK-70XT L80 6.5# TBg, Will resume Activty in morning to Tag Weatherford AS1X NP 7" (5.875"OD). SWI. SDFN. CMIC Mo Gomez..		
54.0	2/9/2018	2/10/2018	36,696.38	7,330,834.71	No venting, review JSA, INITIATE SOP'S, FT POSI STOP, Hold SM. (Basic) Check SIP. 0# csg/ tbg.(KLX) OW TIH w/ 2 7/8" TK 70 XT 8 rd. Rue. L80 6.5# with 105 jts. MI Trucks RU pump Circulate 405 bls packer fluid.(RTI), SWO. (Wetherford) Latched to Packer, Landed on TBG Hanger with 15 pts. Compression, ND BOPE, NU Production tree (WSI) Secured well SDON end of daily report. CMIC Mo Gomez		
55.0	2/10/2018	2/11/2018	163,066.09	7,493,900.80	No Venting Review JSA, Initiate SOP's, FT Posi stop, SIP 0#psig , MI RU WLU (Renegade) OW RIH Pressure up to 3000 Psig w/rev pump (KLX) tagged and rupture disc @ 11,365 ft. had increase of 100 # psig (3100#) POOH w/ WLU LD toools RD MO WLU, SWI RDMO PU (Basic 1539) Secured well SDOWE. end of Daily report CMIC Mo Gmez		
56.0	2/16/2018	2/17/2018		7,493,900.80	In 22 Hrs well flowed 0 BO + 1118 BW + 0 MCF on a 20/64 choke w/2945 psi FTP. 529,536 BWTR, 1118 BWR (0.2%), 528,418 BWLTR. Trace sand, Chl 16,297.		
57.0	2/17/2018	2/18/2018		7,493,900.80	In 24 Hrs well flowed 431 BO + 1616 BW + 334 MCF on a 24/64 choke w/2710 psi FTP. 529,536 BWTR, 2734 BWR (0.5%), 526,802 BWLTR. Trace sand, Chl 17,778.		
58.0	2/18/2018	2/19/2018	704.96	7,494,605.76	In 24 Hrs well flowed 428 BO + 2045 BW + 584 MCF on a 24/64 choke w/2600 psi FTP. 529,536 BWTR, 4779 BWR (0.9%), 524,757 BWLTR. Trace sand, Chl 17,778.		