



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

API/UWI 4249533713	SAP Cost Center ID 1698531001	Permit Number 813661	State/Province Texas	County Winkler
Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	KB-Ground Distance (ft) 26.50

Job: Initial Completion, Start Date: 11/9/2017				
Job Category Completion	Primary Job Type Initial Completion	Secondary Job Type	Start Date 11/9/2017	End Date 6/9/2018
AFE Number DD.2015.07305	Total AFE Amount (Cost) 4,791,324.00	Total Field Estimate (Cost) 5,598,475.50	Total Final Invoice (Cost) -5,736,369.08	
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	11/9/2017	11/10/2017	20,399.73	20,399.73	First rpt to AFE 1507305 for Initial Completion. Review JSA. Initiate SOP's. Hold SM. SICP 500 psig. No venting. Roustabout crew removed plate from cellar. Vac trk pulled fluid out of cellar. Measured for risers. Tri- State delivered 2 frac valves and flow cross. CMIC Eddie Hargrove Note: Anchors to be installed 11-13-17 Location will dressed, risers installed & cellar backfilled 11-10-17		
2.0	11/12/2017	11/13/2017	7,603.00	28,002.73	No Venting. SM with crews. Tri-State pressure control NU well head. Safzone set containment. Working tanks delivered and set. Hobbs Anchors set anchors. Unable to pull mandrel with manuel lubricator. GE Oil & Gas will be O/L tomorrow with hydraulic lubricator to pull mandrel. Wait on CTU. CMIC: David Johnson		
3.0	11/13/2017	11/14/2017	2,560.00	30,562.73	No Venting. Held SM with support equipment crews. Finish setting gas buster and flowback tanks. Fill Working tanks. CMIC: Day- David Johnson // Night- Earl Cote		
4.0	11/14/2017	11/15/2017	2,560.00	33,122.73	No Venting. HSM> Set flowback tanks CMIC: David Johnson		
5.0	11/15/2017	11/16/2017	7,714.75	40,837.48	NO Venting. Hold SM with GE Oil and Gas & Tri-State.check well, less than 100psi. bleed off well. Unland hanger.Tri-State change out flow cross manuel valve to hydraulic valve. Hoppes deliver CM trailer. Wait on Motley CTU. CMIC: David Johnson		



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6.0	11/20/2017	11/21/2017	34,442.50	75,279.98	<p>NO Venting. Hold SM Review SOP's. Motley 2 5/8" CTU on location. Motley BHA tools on location. RU crane, CTU, pumps, Stealth flowback and chemical mixing unit. NU BOP's, Assemble lubricator. Cont. RU flowback, RU mixing plant, Pull test CT connection to 35K. WHP 850 psig. Assemble BHA (weld on OD 2.875" .05' length, Dual flapper valve OD 2.875" 1.25' length, jars OD 2.875" 4.60' length, hydraulic disconnect OD 2.875" 1.55' length, circ sub OD 2.875" .46' length, flex sub OD 2.875" 3.00' length, NOV agitator OD 2.875" 4.32' length, flex sub OD 2.875" 3.00' length, Motor OD 2.875" 12.80' length, string mill OD 3.75" 3.00' length, bit sub OD 2.875" .83" length, JZ bit OD 3.75" .44' length. Total BHA 35.30'. Function test BOP's. Fill CT with FW. Test motor and bit. 3 bpm @ 3,500 psig. PT CT and FB iron to 8,000 psig. Held for 5 min. Test good. Function test accumulator and Hydraulic valve. Good open/close. Waiting on safezone to dropoff containment for pump and CT unit and LEL monitors/sensors for location. Install LEL monitors; well head, flowback, and pump truck with alarm at office trailer. Place containment under CT, pump and chem trailer. Equalize and open up well, well pressure @1200psi and dropped off to 50 psig @100' in, continue to RIH @40 FTPM, pumping 3 BPM in, 3 BPM out. Making back WBM on returns to pit.</p> <p>CMIC: Luke Moyer/Earl Cote</p>		
7.0	11/21/2017	11/22/2017	69,546.25	144,826.23	<p>NO Venting. Hold SM Review SOP's. CT continue to RIH for CO. At TOL increased rate and AV's to 4 bpm in/4 bpm out. Circ psi- 4,800 psig, WHP- 0 psig. PU weight 48k. Returns making back WBM to pit. Sweeps coming back on time to surface. CT tagged hard @ 20,834'. 4 bpm in/4 bpm out. Circ psi- 3,850 psig, WHP- 0 psig. Drilled through possible cement in 5 min. CT RIH @ 15 fpm. Drilling through possible cement streamers. Torqued up @ 22,001' CT depth (Alpha sleeve @ 21,971'). Pumped a 20-20-20 sweep. CT POOH. Making a little bit of gas. CT POOH @ 30 fpm. 4 bpm in/ 4 bpm out. circ psi- 4,100 psi, WHP- 100 psi.</p> <p>Held JSA safety meeting with all parties involved. Continue to pull out of hole with CT @ 30 ftppm, @ 12,220' pumped a 20-20-20 sweep 4bpm in/4bpm out circulating pressure @ 2500 psi and whp @ 50 psi, pull through LT come back down and pick up again to clean up LT. POOH with CT @ 75 fpm pumping 4 in @ 2200 psi/ 4 out @ 50 psi. CT POOH, shut in top master and SICP 0 psi, shut bottom master and went to break down BHA and noticed NO BIT, after further inspection it was more than the bit. left in hole; bottom of the motor, string mill, bit sub, and bit. Total length 8.67' + 4' of stator looking up. @ 6 pm CT had some pump issues @16000' - 17000' the pressure dropped 950 psi, they thought it was due to the pump fluctuation issues. Have fishing tools on the way. Tools arrived on location waiting on weights for crane.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Earl Cote</p>		



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8.0	11/22/2017	11/23/2017	7,190.00	152,016.23	<p>NO Venting. Hold SM Review SOP's. Fishing tools on location. Additional weights for crane on location. MU fishing BHA (Weld on OD 2.875" .04' length, dual flapper valve OD 2.875" 1.25' length, bi-directional jar OD 2.875" 4.80' length, hydraulic disconnect OD 2.875" 1.55' length, circ sub OD 2.875" .45' length, fishing motor OD 2.875" 7.97' length, X-over .79' length, top sub OD 2.88" 1.00' length, 2- 7/8" grapple overshot including extension, bowl, and cut lip glide OD 3.62" 11.54' length. Total BHA length 28.14'. PT CT and FB iron to 8,000 psig. Hold for 5 min. PT good. open well, SICP- 2.350 psig. CT RIH w/ 2 7/8" grapple overshot to fish out part of CO BHA (stator, string mill, bit sub, JZ bit) 8.67' BHA + 4' of stator looking up. 1 bpm in/ 1 bpm out. Circ psi- 2,800 psig, WHP- 2,700 psig @ 12/48 ck. Once CT in 4 1/2" csg. 1 bpm in/1 bpm out. circ psi- 2,400 psig, WHP- 1,900 psig. 12/48 ck. @ 21,200' increased rates to 1.5 bpm in/ 1.5 bpm out. Ciirc psi- 3,900 psig, WHP- 2,600 psig. 16/48 ck. CT PU at 21,900' of 67k. CT RIH, tagged hard at 21,991'. Cycled out on # of attempts (6 times) to retrieve tools. RIH between 30-40 fpm. set down 15-20k. Last attempt CT RIH to 21,993'. Good indication we have tools.PU of 73K. CT POOH. Held JSA safety meeting with all parties invovled. Continue to POOH w/ CT @ 53 fpm. Bump up and shut master valve. Retrieved fish, break down tools, RU nitrogen and pump 40k scuffs to blow out CT. RD nitrogen and bleed off CT. RD CTU, ND BOP's, install flange on mud cross. Move CTU across pad, laydown crane and remain on location for tractor and RCBL. Secure well and Shut in (SICP-0 psig) for weekend. Resume ops 11/26 @ 6am.</p> <p style="text-align: right;">CMIC/Days/Luke Moyer CMIC/Nights/Earl Cote</p>		
9.0	11/26/2017	11/27/2017	36,635.50	188,651.73	<p>NO Venting. Hold SM Review SOP's. MIRU Capitan WL and Welltec. SICP 2,800 psi. OW, RIH w/ logging tool and tractor. Engage tractor at 11,171'. Tractor down to 12,300'. Disengage tractor and log OOH from 12,290' to surface. OOH w/ tractor and logging tools. Est. TOC 7,420'. RDMO Capitan WL and Welltec. Shift change. NO Venting. Hold SM Review SOP's. Opened well @ 1,700 psig and flowed back on a 16/64 ck. WHP bled down to 0 psig in less than 20 min. Monitored pressures and volumes. Flowing back a pencil stream back to flowback tanks. Approx. 4 bbls an hr. Flowed back total of 54 bbls. Pressure never increased above 0 psig.</p> <p style="text-align: right;">CMIC/Days/Rob Lane CMIC/Nights/Luke Moyer</p>		



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10.0	11/27/2017	11/28/2017	27,160.00	215,811.73	NO Venting. Hold SM Review SOP's. Con't flowback well, returning total 57 bbls. "0" psi. SWI, Pressure began building increasing, hourly readings, 430psi, 810 psi, 1100psi, 1425 psi, 1710 psi, 1925 psi, 2,100 psi, 2200 psi, 2,300 psi @ shift change. Cont. to monitor well pressure and record every hour. Starting at 7 pm, 2,400 psig, 2,525 psig, 2,625 psig, 2,725 psig, 2,775 psig, 2,850 psig, 2,900 psig, 2,975 psig, 3,000 psig stabilizing at 3,050 psig at shift change. Con't to monitor psi. WO Capitan WL for temp survey. CMIC/Days/Rob Lane CMIC/Nights/Luke Moyer		
11.0	11/28/2017	11/29/2017	16,834.80	232,646.53	NO Venting. Hold SM Review SOP's Monitor well psi, SICP 3,200 psi. WO Capitan WL for temp survey. CMIC-Rob Lane CMIC-Robert Young		
12.0	11/29/2017	11/30/2017	14,824.80	247,471.33	No venting.Review SOP'S. HSM. Rig up Capitan W/L. Open well with 2550 psi after having to rig down and work on pack-off. Run a temperature survey from G.L. down to 12,000'. Pull up to 11,400' [220' below top of liner @ 11,180']. Open well at 15:45 with 1550 psi on a 12/64 choke.Pressure bleed off in less than 5 mins. Recovered 1 bbl in 1 hr. Log up from 11,400 to G.L. with well closed in. Secure well with both frac stack valves.		
13.0	11/30/2017	12/1/2017	7,190.00	254,661.33	No venting. W.O.O.		
14.0	12/1/2017	12/2/2017	5,790.00	260,451.33	No venting. W.O.O.		
15.0	12/2/2017	12/3/2017	9,787.82	270,239.15	No venting. Review JSA. Initiate SOP's. Hold SM.MIRU Acid Tech for injection test. SICP 3,200 psi. Bleed down well, test lines to 7,000 psi, OW, 886 psi. Begin ppg at 1 bpm, 5min-2905psi, 10 min 4,267psi, 15 min 4983psi, 20 min 5660psi, 23 min 6,100 psi, drop rate to 0.5 bpm, 5 min 6,300psi, 10 min 6494 psi, attempt to pump at lower rate but rate jumping from 0.4 to 0.2 with psi holding at max 6,500 psi. Shut down. ISIP- 6,432 psi, 5 min 6,042psi, 10 min 5,902, 15 min 5810 psi. Bleed psi down to 3,000 psi, SWI. RDMO Acid Tech pump.WO SLB to log USIT log Total -36 bbls FW pumped CMIC-Rob Lane		
16.0	12/7/2017	12/8/2017	35,936.80	306,175.95	no venting Review JSA's Initiate SOP's HSM SICP 3650 psi MIRU schlumberger WL. ND blind flange NU WL flange, function test BOP's equilibize lubricator W well psi BD open well RIH to 11500 found tool not reading data correctly due to decentralization. POOH PU new centralizers & new ultra sonic tool RIH logging from 11300' to surface SWI RDMO CMIC Dustin Dever		
17.0	12/11/2017	12/12/2017	5,790.00	311,965.95	No venting Review JSA's Initiate SOP's HSM SICP 3000psi, Intermediate 2800psi, Read and BD to 0psi @ 12:00.		
18.0	12/12/2017	12/13/2017	14,072.75	326,038.70	No venting Review JSA's Initiate SOP's HSM SICP 300psi Intermediate 475psi Wireline RU, Open well and RIH with 7" RBP with 100psi on well, Set RBP @ 11,168' , POOH with WL SWI @ 0psi and ND. CMIC/days/Ronnie Cook		



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19.0	12/13/2017	12/14/2017	7,870.00	333,908.70	<p>No venting. HSM. Review JSA's. Initiate SOP's. Cont. to monitor pressure on 7" casing. At 3 pm still reading 0 psig. At 3:20 pm set pressure gauge on 1" riser to surface casing. Showing 200 psig. Bled off pressure to 0 psig with continuous flow. Making back formation water. SI and pressure built back up to 200 psig and holding steady. 7" csg. pressure still 0 psig. KLX test unit on location. At 4:45 pm 7" csg. pressure built to 200 psig after 23 of 24 hrs pressure being 0 psig. Opened flowback to bleed off 7" csg. pressure down to 0 psig. Making back all oil on returns till bled off and remained at 0 psig. surface casing still at 200 psig. KLX pressure testing 7" casing and RBP. At 7,800 psi during pressure test Tri-State flange started leaking. Bled off pressure, waiting on Tri-state to torque connection before resuming pressure test. Tri-state re-torqued flange. KLX pressure tested 7" csg. to 8,450 psig. Held steady for 1 hr. Test good. Bleed down. Continue to monitor csg. pressure. Surface casing still holding at 200 psig.</p> <p>CMIC-Luke Moyer</p>		
20.0	12/14/2017	12/15/2017	5,790.00	339,698.70	<p>No venting. HSM. Review JSA's. Initiate SOP's. Monitor SICP and SIBHP. At 630AM SICP- 475 psig, SIBHP-200psig. At 9AM SICP-600 psig, SIBHP-200 psig. At 11AM SICP-625 psig, SIBHP-200 psig. At 2PM SICP-700 psig, SIBHP-200 psig. At 9PM SICP-800 psig, SIBHP-200 psig. At 10PM SICP-900 psig, SIBHP-200 psig. At 12AM SICP-1,000 psig, SIBHP-200 psig. At 3AM SICP-1100 psig, SIBHP-200 psig. At 5AM SICP-1300 psig, SIBHP-200 psig.</p> <p>CMIC- Luke Moyer</p>		
21.0	12/15/2017	12/16/2017	5,790.00	345,488.70	<p>No venting. HSM. Review JSA's. Initiate SOP's. Continue monitoring SICP and SIBHP. Waiting on Pulling Unit to retrieve RBP, dress PBR on liner top, and set packer and seal assembly. At 10AM SICP-1300 psig, SIBHP-200 psig. At 2PM SICP- 1300 psig, SIBHP-200 psig. SI and secure well.</p> <p>CMIC- Luke Moyer</p>		
22.0	12/21/2017	12/22/2017	8,460.90	353,949.60	<p>No Venting. Held JSA safety meeting with all parties involved. Spot in CTU and RU, function test (good) and NU BOP's, pull test coil to 35K, start making up BHA. Noticed retrieving tool was 5.5 OD had to order 7-1/16 x 10k spool. ND BOP. WO Tri-state to del. 7-1/16 x 7' spool. (Down 7 hrs) NU 10k 7-1/16" x 7' spool. MU Weathford retrieving tool. NU 5-1/8" BOP. PT stack to 7500 psig. Tst OK. OW. RIH w/retriving tool to 11,069' Circ. 3 BPM @ 1,700 psig. Cont. RIH tag RBP @ 11,168'. Press. up 3000 psig. Engage RBP pressure loss to 2,700 psig. BD to 2,000 psig. PUH to 11,150'. RIH to 11,175' BD to 0 psig. POOH w/RBP @ time of report.</p> <p>CMIC-Day shift-Earl Cote/ Night shift-Danny King</p>		



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23.0	12/22/2017	12/23/2017	7,615.90	361,565.50	<p>No Venting. Held JSA safety meeting with all parties involved. Continue to POOH with RBP, confirm RBP is out of the hole, RU acid tech and test surface lines to bottom master to 9000 psi (good), bleed down and open well, bring pressure to 7000psi and held for 30 min, lost 160psi, +500psi to 7500psi and held for 5min (did not open), + 500psi to 8000psi held for 5min (did not open), +500psi to 8500psi held for 10min (did not open). Get TCP guns in route. Bleed off well to flowback and inform coil that we will have about 50' of BHA, they are getting a longer lubricator and larger crane. Guns arrived on location and are waiting on bigger crane and lube extentions. Lubricator pieces showed up just waiting on larger crane. RU new crane and make up TCP guns, pressure test to 7500psi (good) start in the hole with guns. RIH CT to 17,927' Stopped due friction, PUH to 15,000' circ. Pipe on pipe. RIH CT to 21,913' PU to 21,893' drop ball pmp 110 bbs to seat ball. Pressure up 3,200 psig sheer pins. Shots @ 21,893', 21,897', 21,901', 21,905', & 21,909'. PUH to 21,914' shoot, PUH to 21,896' shoot, PUH to 21,882' shoot, PUH to 21,867' shoot, PUH to 21,852' shoot, PUH to 21,838', PUH to 21,823' shoot. All shots fired. POOH CT @ time of report.</p> <p>CMIC-Day shift-Earl Cote/ Night shift-Danny King</p>		
24.0	12/23/2017	12/24/2017	165,636.35	527,201.85	<p>No Venting. Held JSA safety meeting. Continue to POOH with CT, lay down guns and tools, RD CT and pressure test surface equipment to 9000psi (good), open well and start pumping, pumped 50bbbls, 24bbbls-10% acid, flush 625bbbls, change packing on pump with 300 bbls left, pumped a total of 676 bbls of fresh with 50bbbls of injection at first,5-10-15 and secure well and RDMOL..</p> <p>CMIC: Earl Cote</p>		
25.0	1/8/2018	1/9/2018	5,840.00	533,041.85	No Venting. Held JSA safety meeting. Initiate SOP's. Frac Prep.		
26.0	1/9/2018	1/10/2018	5,840.00	538,881.85	No Venting. Held JSA safety meeting. Initiate SOP's. Frac Prep. Spot Solaris silos and frac equipment.		
27.0	1/10/2018	1/11/2018	10,045.00	548,926.85	<p>No Venting. Held JSA safety meeting. Initiate SOP's. Frac Prep. Start to pre-fill silos. C&J spotting and RU equipment. Reliance spotting and RU equipment. F2 spotting and RU equipment. C&J and F2 flowback RU restraints on all iron. C&J continue to pre-fill silos. WL swapping trucks. Tri-states RU flange.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		



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28.0	1/11/2018	1/12/2018	81,158.65	630,085.50	<p>No venting. Held SM. Review JSA's and Initiate SOP's. F2 Flowback complete RU. C&J complete RU. Pressure test frac iron and pop-off to 9,500 psig. Test good. Pressure test FB iron to 7,500 psig. Test good. Frac stage 1, pumped to completion. WL NPT due to wire overlap on cable. WL RIH for stage 2 and gunstring layed down at 19,200'. PU WL and attempt another 2 times to run past 19,200'. Still no progress.</p> <p>BWLTR:5,742 bbls</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		
29.0	1/12/2018	1/13/2018	9,295.00	639,380.50	<p>No venting. Held SM. Review JSA's and Initiate SOP's. Attempted 4th run at higher rate (16 bpm). Layed down at same depth (19,200'). Decision was made to POOH and pump gel sweep to clear debri. Got hung up POOH. Could not RIH or POOH. Attempted to free up gunstring and plug by pulling, pumping, hard shut downs, and surging. Not able to free up still. Decision made to set plug and POOH. Set 4 1/2" halliburton dissolvable plug @ 19,240'. WL POOH. Dragging heavy still between 3,000-3.200 lbs. of tension. WL OOH. No indication on sleeve or tool of why we got hung up. Spotted 15% acid at plug to soak for 3 hour's. Ran 30# gel pill @ 22 bpm, 7200 psi. WL tagged plug @ 19,248. Run another 1000g of acid for plug soak.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		
30.0	1/13/2018	1/14/2018	29,711.00	669,091.50	<p>No venting. Held SM. Review JSA's and Initiate SOP's. spot 1,000 gallons of 15% HCL acid across 4 1/2" Halliburton dissolvable plug @ 19,240' to expedite dissolve time. Soak for 3 hrs. Pump 30# gel pill at 47 bpm @ 8,300 psig. Drop ball. Pumped 615 bbls and pressure held steady at 20 bpm @ 7,000 psig. No ball action at pre-mature plug depth (19,240'). RD WL and C&J pumps and data van to make room to spot Cretic 2 5/8" CTU. Spot in and RU crane, CTU, power pack, and pump. Funtion test BOP's and fill reel with FW fluid. Test motor at 4 bpm @ 4,700 psig at surface.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		



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31.0	1/14/2018	1/15/2018	78,269.80	747,361.30	<p>No Venting. Hold SM, Review JSA's. Initiate SOP's. Wait on hydraulic hose to hydraulic motor for Cretic CTU. Break circulation to flowback tanks. PT CTU and FB iron to 8,000 psig. Bleed off pressure due to leaks. Repair and fix. PT again to 8,000 psig. Test good. Open well. RIH w/ 2 5/8" CTU and BHA (JZ 3.75" Rock Bit, 3.15" x/o, 2.875" motor, toe tapper, AV sub, Hydraulic disconnect, Bi-Directional jars, Dual flapper BPV, Weld on coil connector). BHA length-28.44'. Tagged plug or debri at 19,400'. 3 bpm in/3 bpm out, Circ pressure 6,000 psi/FCP- 4,400 psi. Lost 3K lbs of Run in Weight: 25 fpm. Circulating pressure increased from 6,000 psig to 6,180 psig. Chasing plug/debri down to 21,920'. Pumped 10-10-10 sweep. 3.5 bpm in/ 3.0 bpm out to hold plug/debri in place while CTU POOH. Ran 10-10-10 sweep @ 12,800'. Rigged down CT.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		
32.0	1/15/2018	1/16/2018	56,265.00	803,626.30	<p>No venting. Hold safety meeting, review JSA's. Initate SOP's. RU Frac and WL and RIH for Dummy Run with release tool, 2 3/4" weight bars and 3.68" setting sleeve. TTL gunstring 36.7'. Tagged same spot at 19,207' (CCL depth of 19,170'). Depths reading a little different due to correlating at TOL @ 11,180' vs. 11,213'. Decision was made to skip zones 2-19 and set plug for stage 20 @ 19,108'. WL ASF. POOH.</p> <p>CMIC/days/Luke Moyer CMIC/nights/Wayne Cupp</p>		
33.0	1/16/2018	1/17/2018	187,206.50	990,832.80	<p>No venting. Hold safety meeting, review JSA's. Initate SOP's. Drop ball. Frac stage 20, pumped to completion. RIH w/ WL. Perf stage 21. Set plug @ 18,958' (4 1/2" Weatherford Trufrac). ASF. POOH. Drop ball. Frac stage 21. Shutdown after displacing acid due to communication with 1306 well. Pressure increased from 3600 psig-4500 psig. RU containment, FB tank, 5k valve and T to pump 10# KWF. Pumped 100 bbls and tubing pressure decreased to 2,250 psig. Resume stage 21, pumped to completion. RIH WL to perf stage 22. Plug set @ 18811 (WFT TruFrac) ASF POOH. Drop Ball frac stage 22 at time of report.</p> <p>BWLTR-30093</p> <p>CMIC/days/Luke Moyer CMIC/nights/Zach Smith</p>		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

API/UWI 4249533713	SAP Cost Center ID 1698531001	Permit Number 813661	State/Province Texas	County Winkler
Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
34.0	1/17/2018	1/18/2018	220,957.84	1,211,790.64	<p>No Venting, HSM, Review JSA's and SOP's. Cont. frac stage 22. Stage 22 pumped to design. RIH WL to perf stage 23. Plug set @ 18658' (WFT TruFrac) ASF POOH. Ball not dropped. Communicating with 1303H. RDMO WL, Frac crew.Suspend Report till after 1810H frac.</p> <p>BWLTR-39680</p> <p>CMIC/days/Luke Moyer CMIC/nights/Zach Smith</p>		
35.0	1/29/2018	1/30/2018	94,496.71	1,306,287.35	No venting, Review JSA's, Initiate SOP's, HSM, Frac started rigging back up,		
36.0	1/30/2018	1/31/2018	94,496.71	1,400,784.06	<p>No venting, Review JSA's, Initiate SOP's, HSM, Continue to MIRU Frac, Flowback, and WL.</p> <p>CMIC: Days-Danny King Nights-James Birdine</p>		
37.0	1/31/2018	2/1/2018	95,132.14	1,495,916.20	<p>No venting, HSM, Reviewed JSAs and SOPs with all parties on location. Continue to RU C&J frac and Reliance WL. Funtion tested WL BOPs, good test. Pressure tested Frac equipment and iron to 8,500 psi for 5 min, good test. set and tested inline popoff at 8,200psi, Set and tested surface casing popoff to 600psi. Pressure tested F2 Flowback iron to 8,500 psi for 5 minutes, good test. Function tested accumulator and flowcross ESD, good test. Currently testing and replacing C&J surface casing popoff due to leak after test. HSM, reviewed JSAs ans SOPs. Performed injection test prior to dropping ball 24bpm 7900psi. Shut down bleed off and load ball for stage 23. Pumped stage 23 to completion AIR 41.1, MIR 51.1, ATP 7,489, MTP 8,202. PU WL RIH with Weatherford True Frac plug. Set plug @ 18,506 ASF POOH. Currently pressure testing for stage 24 at time of report.</p> <p>CMIC: Days-Branden Davidson/Nights James Birdine</p> <p>BWLTR: 49,706</p>		



Activity - Chronology by Job - Multi Summary

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Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
38.0	2/1/2018	2/2/2018	95,807.14	1,591,723.34	<p>No Venting. HSM, Reviewed JSAs and SOPs. Pressure tested to 8,500psi for 6 min good test. Pumped stage 24 to completion AIR 54.2, MIR 56.5, ATP 7,734, MTP 8,005. PU WL RIH and set Weather Tru frac plug @ 18,358' ASF POOH. Currently waiting on C&J to swap blender due to washed out manifold at time of report. (C&J NPT 3.0hrs) Prime pumps and pressure test to 8,500 psi for 5 minutes, good test. Start stage 25 at time of report. BD. Shut down frac and shut in due to communicating with another well (Not XTO well). Currently waiting on answer from offset well operator to bleed down well.</p> <p>CMIC: Days-Branden Davidson/Nights James Birdine</p> <p>BWLTR: 60,629</p>		
39.0	2/2/2018	2/3/2018	99,420.95	1,691,144.29	<p>HSM Reviewed JSAs and SOPs. Continue to wait for Cimarex offset well to bleed down. Decision made to bleed down 1310H for 30 min. Open well on 8/32 choke for 30 min. Bled down 150psi after 30 min, 34 bbls returned. SI and bled off well. Currently RDMO frac and WL at time of report.Suspend reports until return to job.</p> <p>CMIC: Branden Davidson</p> <p>BWLTR:60,629</p>		
40.0	5/3/2018	5/4/2018	25,455.84	1,716,600.13	<p>No Venting Review JSA's Initiate SOP's HSM Spot FTR frac tanks W/ safezone Containment CMIC Dustin Dever</p>		
41.0	5/15/2018	5/16/2018	27,887.53	1,744,487.66	<p>No venting. Review JSA'S, SOP'S and HSM.Sand silos arriving on location. Start filling silo's. Stage equipment on empty pad. M.I.and R.U. frac spread</p> <p>CMIC: M. Spelmon / R. Young</p>		
42.0	5/16/2018	5/17/2018	3,695.00	1,748,182.66	<p>No venting. Review JSA'S, SOP'S and HSM. M.I. and R.U frac spread.</p> <p>CMIC: M. Spelmon / R.Young</p>		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

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Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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	5/17/2018	5/18/2018	82,471.58	1,830,654.24	<p>No venting. Review JSA'S, SOP'S and HSM. Prime up and test surface equipment to 8000 psi. Set pop off's to 8100 psi. Open well w/ 3075 psi. E.I.R. at 18 bpm - 7844 psi. Pump a total of 600 bbls [w/ 1.2 gpt - FR] and ISIP = 5049. W/ L rigging up [function tested BOP'S]. Lower crane due to thunderstorm in the area. P/U W/L and test shell to 8000 psi. Equalize well psi [3800]. R.I.H. with plug and guns. Plug set @ 18,208 and guns fired. Log out to TOL. Open well W/3880 psi. EIR 14 bpm - 7100 psi. Pump 24 bbls of 15% acid. Ball seated 7700 to 8073 at 14 bpm. Acid break from 7100 to 6780. Frac stage 26 using 5,157 bbls of slick water with 202,500 lbs 100 mesh and 22,500 lbs 40/70 LT RCS. AIR = 34 bpm, ATP = 7701. MIR = 43 bpm, MTP = 8073. ISIP = 5580 w? .90 psi/ft Frac Grad. Pump time = 178 mins. 5 min = 5234, 10 min = 5189, 15 min = 5135. Close well in. M.U. and R.I.H with plug and guns.</p> <p>CMIC: M. Splemon / R. Young</p> <p>BWLTR: 65,762 bbls</p>		
44.0	5/18/2018	5/19/2018	241,557.29	2,072,211.53	<p>No venting. Review JSA'S, SOP'S and HSM. continue RIH w /WL stage 27, plug set @ 18058' (4 1/2 RZR Plug), ASF POOH. Pressure test to 8160. Good test. Start stage 27. Stage pumped to completion. AIR: 37bpm , ATP:7646 , MTP:7859 , MIR: 42bpm Pump timw 203 mins. . RIH w /WL stage 28 plug set @ 17,908 ' (4 1/2 RZR Plug), ASF POOH. Pressure test to 8,100. Good test. Frac Stage 28 to completion. AIR = 52 bpm, ATP = 8305, MIR = 69 bpm, MTP = 8530. ISIP = 6239 W/a .96 psi/ft FG. Pump time 128 mins. RIH with plug and guns. Plug did not set. POH. RIH with plug and guns. Plug set @17,758' and guns indicated to have fired. POH. Stage 29 ready to frac. Frac stage 29 using 5,157 bbls of slick water with 202,500 lbs of 100 mesh and 23,280 lbs of 40/70 Lt RC prop. AIR = 58 bpm, ATP = 8281, MIR = 66 bpm, MTP = 8687. ISIP = 6444 with a .97 psi/ft Frac Grad.5 min = 5410, 10 min = 5262, 15 min = 5214 with a pump time of 110 mins.</p> <p>CMIC: M. Splemon / R. Young</p> <p>BWLTR: 82,775 bbls</p>		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

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Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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	5/19/2018	5/20/2018	241,704.42	2,313,915.95	<p>No venting, review JSA'S, SOP'S and HSM. RIH with Stage 30 W/L tools. Plug set @ 17608' (4 1/2 RZR Plug), ASF POOH. Pressure test to 8160. Good test. Start stage 30. Stage pumped to completion. AIR: bpm , ATP: , MTP: , MIR: bpm Pump timw mins. . RIH w /WL stage 31 plug set @ ' (4 1/2 RZR Plug), RIH WL stage 32. Plug set @ 17,308' (4.5 RZR Plug). ASF POOH. Pressure test @ 8500 test good. Drop ball, frac stage 32. Stage complete. AIR 66, ATP 8639, MIR 73, MTP 8836. RIH WL Stage 33, Plug set @ 17,119 (4.5 RZR Plug) ASF POOH. @ time of report</p> <p>CMIC: Days:Zach Smith/Nights: Jack O'Kelley BWTR:99,943bbbls</p>		
46.0	5/20/2018	5/21/2018	416,427.06	2,730,343.01	<p>No venting, review JSA'S, SOP'S and HSM. Prime up, psi test, drop ball and frac stage 33, pumped to completion. AIR - 68, ATP - 8578, MIR - 73, MTP - 8797. Function test BOP's. RIH WL to perf stage 34, plug set @17008'(RZRfrac 4 1/2") ASF POOH. Prime up, psi test, drop ball and frac stage 34, pumped to completion. AIR - 67, ATP - 8609, MIR - 78, MTP - 8881. RIH WL to perf stage 35, plug set @ 16858'(RZRfrac 4 1/2") ASF POOH. Prime up, drop ball and frac stage 35 Stage complete. AIR 76, ATP 8657, MIR 79, MTP 8788. RIH WL Stage 36. plug set @ 16,713. (RZRfrac 4.5) ASF POOH. Drop ball, frac stage 36. Stage complete. AIR 73, ATP 8692, MIR 80, MTP 8918. RIH WL stage 37. Plug set @ 16,544 (RZRfrac 4.5) ASF POOH. Drop ball, frac stage 37</p> <p>CMIC: Days:Zach Smith/Nights: Jack O'Kelley BWLTR:121,796 bbbls</p>		



Activity - Chronology by Job - Multi Summary

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Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
47.0	5/21/2018	5/22/2018	478,215.44	3,208,558.45	<p>No venting, HSM, review JSA's, and Initiate SOP's. Cont. frac stage 37. Pumped to completion. AIR - 67, ATP - 8631, MIR - 80, MTP - 8891. RIH WL stage 38, plug set @16407'(RZR Frac 4 1/2") ASF POOH Prime up, drop ball and frac stage 38. Pumped to completion. AIR - 64, ATP - 8656, MIR - 80, MTP - 8891. RIH WL stg 39, plug set @16258'(RZR Frac 4 1/2") ASF POOH. Prime up, psi test, drop ball and frac stage 39. Pumped to completion, AIR - 73, ATP - 8680, MIR - 80, MTP - 8840. RIH WL stg 40, plug set @16108' (RZR Frac 4 1/2") ASF POOH. Prime up, psi test, drop ball and frac stage 40. Pumped to completion AIR - 61, ATP - 8586, MIR - 72, MTP - 8893. RIH WL stg 41, plug set @ 15958'(RZR Frac 4 1/2") ASF POOH. Drop ball, frac stage 41. Stage complete. AIR 58, ATP 8699, MIR 82, MTP 8890. RIH WL Stage 42. Plug set @ 15,808 (RZR Frac 4.5) ASF POOH. Drop ball, frac stage 42. Stage complete. AIR 65, ATP 8660, MIR 74, MTP 86. RIH WL Stage 43. Plug set @ 16,658 (RZR Frac 4.5) ASF POOH. Drop ball, frac stage 43.</p> <p>CMIC: Days: Zach Smith/Nights: Jack O'Kelley BWTR:150,214</p>		
48.0	5/22/2018	5/23/2018	426,823.19	3,635,381.64	<p>No venting, HSM, Review JSA's, Initiate SOP's. Cont. frac stage 43. Stage complete. AIR 78, ATP 8729, MIR 83, MTP 8940. RIH WL Stage 44. Plug set @15508'(RZR Frac) ASF POOH. Prime up, drop ball and frac stage 44. Pumped to completion. AIR - 78, ATP - 8748, MIR - 83, MTP - 8921. RIH WL stg 45, plug set @ 15360'(RZR Frac 4 1/2") ASF POOH. Prime up, psi test, drop ball and frac stage 45. Pumped to completion AIR - 77, ATP - 8691, MIR - 83, MTP - 8999. RIH WL stg 46, plug set @15208'(RZR Frac 4 1/2") Prime up drop ball frac stage 46. Shift change. HSM, Review JSA's, Initiate SOP's. Cont. frac stage 46. Stage complete. AIR 63, ATP 8,548, MIR 83, MTP 8957. RIH WL Stage 47. Plug set @15,065'(RZR Frac) ASF POOH. Drop ball. Pressure test 9,000. Good test. Start stage 47. Stage pumped to completion. AIR= 75 ATP= 8,486 MTP= 8,845 MIR= 87. RIH w/WL to perf stage 48. ASF POOH. Plug set @14,908'(RZR Frac). Grease Wellhead. Drop ball. Pressure test 9,000. Good test. Start stage 48. Stage pumped to completion. AIR=78 ATP= 8,509 MTP= 8,866 MIR= 90. RIH w/WL to perf stage 49. ASF POOH. Plug set @14,758'(RZR Frac). Drop ball. Pressure test 9,000. Good test. Start stage 49.</p> <p>CMIC: Days Zach Smith/Nights Ken Perry BWTR: 179,402</p>		



Activity - Chronology by Job - Multi Summary

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Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
49.0	5/23/2018	5/24/2018	426,420.22	4,061,801.86	<p>No venting, HSM, Review JSA's, Initiate SOP's. Pumped stage 49 to completion AIR 71, ATP 8,477, MTP 8,913, MIR 90. PU WL RIH, set RZRFRac plug @ 14,608' ASF POOH. Drop ball for stage 50. PT lines to 9,300 for 5 min, good test. Pump stage 50 to completion. AIR 76, ATP 8,452, MTP 8,876, MIR 87. PU WL RIH, set RZRFRac plug @ 14,458' ASF POOH. Drop ball for stage 51. PT lines to 9,300 psi for 5 min, good test. Pump stage 51 to completion. AIR 79, ATP 8,373, MIR 90, MTP 8,960. PU WL RIH, set RZRFRac plug @ 14,308' ASF POOH at ime of report. BD HSM, Review JSA's, Initiate SOP's. Grease wellhead. Drop ball. Pressure test 9,000. Good test. Start stage 52. Stage pumped to completion. AIR= 90 ATP= 8,492 MTP= 8,790 MIR=91. RIH w/WL to perf stage 53. ASF POOH. Plug set @14,158'(RZRFRac). Drop ball. Pressure test. 9,000 Good test. Start stage 53. Stage pumped to completion. AIR= 87 ATP= 8,149 MTP= 8,836 MIR= 92. RIH w/WL to perf stage 54. ASF POOH. Plug set @14,008'(RZRFRac). Drop ball. Pressure test. 9,000 Good test. Start stage 54. Stage pumped to completion. AIR= 80 ATP= 8,345 MTP= 8,905 MIR= 91. RIH w/WL to perf stage 55. ASF POOH. Plug set @13,858'(RZRFRac).</p> <p>CMIC: Days-Branden Davidson/Nights-Ken Perry</p> <p>BWLTR:208,165</p>		
50.0	5/24/2018	5/25/2018	368,102.02	4,429,903.88	<p>No venting, HSM, Review JSA's, Initiate SOP's. Drop ball and PT lines to 9,200 psi for 5 min, good test. Pump stage 55 to completion AIR 69, ATP 8,280, MTP 8,884, MIR 85. PU WL RIH set RZRFRac plug @ 13,708' ASF POOH. Drop ball and PT lines to 9,200 psi for 5 ,im, good test. Pump stage 56 to completion, AIR 80, ATP 8,160, MIR 91, MTP 8,866. PU WL RIH, set RZRFRac plug @13,558' ASF POOH at time of report. Grease Wellhead. Drop Ball. Pressure test 9,100. Good test. Start stage 57. Stage pumped to completion. AIR= 82 ATP= 8,121 MTP= 8,985 MIR= 91. RIH w/WL to perf stage 58. ASF POOH. Plug set @13,412'(RZRFRac). Drop Ball. Pressure test. 9,100. Good test. Start stage 58. Stage pumped to completion. AIR= 81 ATP= 8,134 MTP= 9,140 MIR= 91. RIH w/WL to perf stage 59. ASF POOH. Plug set @13,258'(RZRFRac). Drop Ball. Pressure test 9,000. Good test. Start stage 59. Stage pumped to completion. AIR= 82 ATP= 8,360 MTP= 8,764 MIR= 91. RIH w/WL to perf stage 60. ASF POOH. Plug set @13,114'(RZRFRac).</p> <p>CMIC: Days-Branden Davidson/Nights-Ken Perry</p> <p>BWLTR: 232,357</p>		



Activity - Chronology by Job - Multi Summary

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Rpt #	Start Date	End Date	Day Total (Cost)	Cum To Date (Cost)	Summary #1	Summary #2	Ops Remarks/Summary #3
51.0	5/25/2018	5/26/2018	624,083.75	5,053,987.63	<p>No venting, HSM, Review JSA's, Initiate SOP's. Drop ball and PT lines to 9,200 psi for 5 min, good test. Pump stage 60 to completion AIR 75, ATP 8,143, MTP 8,807, MIR 91. RIH w/WL to perf stage 61. RZRfrac plug @ 12,958' ASF POOH. Drop Ball. and PT lines to 9,200 psi for 5 min, good test. Pump stage 61 to completion AIR 78, ATP 8,055, MTP 8,806, MIR 91. RIH w/WL to perf stage 62. RZRfrac plug @ 12,808' ASF POOH. Drop Ball. and PT lines to 9,200 psi for 5 min, good test. Pump stage 62 to completion. AIR 76, ATP 8,240, MTP 8,813, MIR 91. RIH w/WL to perf stage 63. RZRfrac plug @ 12,658' ASF POOH. Drop ball PT lines to 9,200 psi for 5 min, good test. Pump stage 63 to completion. AIR= 80 ATP= 8,041 MTP= 8,642 MIR= 91. HSM, Review JSA's, Initiate SOP's. and RD safety meeting. RDMO Propetro Frac. and Reliance WL. and frac support. Suspend reports until DO</p> <p>CMIC: Days-Branden Davidson/Nights-Ken Perry</p> <p>BWLTR: 251,132</p>		
52.0	6/1/2018	6/2/2018	36,200.41	5,090,188.04	<p>No Venting. Hold SM. Review JSA's. Initiate SOP's. MIRU Conquest 2-3/8" CT and mixing plant, Jaguar Flowback, Falcon SandX, Baker BHA tools. Wait for crane from 08:00 to 12:30. Spot and RU crane. NU, function test, and pressure test BOPs (500 psi low, 8,500 psi high).</p> <p>CMIC: Jeff Eckstein</p>	<p>No Venting. Hold SM. Review JSA's. Initiate SOP's. MU and test Baker BHA tools: weld on connector, dual BPV, hydraulic disconnect, Hydrashock jar, screen sub, 2-7/8" Tempress HydroPull (4.5 bpm max), Tempress water bypass sub (4 each 0.125" nozzles), 2-7/8" X-TREME AD motor (3.8 bpm max), 3.75" butterfly cheese grater mill. Test RU 500/8500 psi. Wait on Jaguar to get second plug catcher 19:15 Begin NPT 04:00 End NPT (8 hours 45 min) Open well at 04:00, WHP 3,200 psi, RIH with CT. 5:15 Conquest reel swivel started to leak, Shut down to change seal. Begin NPT</p> <p>CMIC: Lance Conques</p>	



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Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
53.0	6/2/2018	6/3/2018	15,788.00	5,105,976.04	No Venting. Hold SM. Review JSA's. Initiate SOP's. Repair leak on CT swivel (NPT 05:15 to 07:00). Tag plug #1 @ 12,656', PR 4.0 @ 7,300, RR 4.0 @ 3,500, DT 10 min, 5 bbl swp Tag plug #2 @ 12,791', PR 4.2 @ 7,670, RR 4.2 @ 3,680, DT 6 min, 5 bbl swp Tag plug #3 @ 12,960', PR 4.2 @ 7,700, RR 4.2 @ 3,700, DT 7 min, 10 bbl swp Tag plug #4 @ 13,102', PR 4.2 @ 7,300, RR 4.1 @ 3,300, DT 8 min, 5 bbl swp Tag plug #5 @ 13,242', PR 4.2 @ 7,000, RR 4.1 @ 3,300, DT 11 min, 5 bbl swp Tag plug #6 @ 13,397', PR 4.2 @ 7,350, RR 4.1 @ 3,300, DT 9 min, 20 bbl swp Tag plug #7 @ 13,544', PR 4.2 @ 7,200, RR 4.1 @ 3,200, DT 11 min, 5 bbl swp Tag plug #8 @ 13,694', PR 4.2 @ 7,300, RR 4.1 @ 3,200, DT 6 min, 5 bbl swp Tag plug #9 @ 13,841', PR 4.2 @ 7,500, RR 4.1 @ 3,150, DT 6 min, 10 bbl swp Tag plug #10 @ 13,990', PR 4.2 @ 7,400, RR 4.1 @ 3,050, DT 7 min, 5 bbl swp Tag plug #11 @ 14,142', PR 4.2 @ 7,300, RR 4.1 @ 3,050, DT 5 min, 5 bbl swp Tag plug #12 @ 14,295', PR 4.2 @ 7,400, RR 4.1 @ 3,050, DT 5 min, 20 bbl swp CMIC: Jeff Eckstein	No Venting. Hold SM. Review JSA's. Initiate SOP's. Tag plug #13 @ 14,449', PR 4.2 @ 7,500, RR 4.3 @ 3,200, DT 8 min, 20-10-20 bbl swp Short trip from 14,586' to 11,000', RIH Tag plug #14 @ 14,580', PR 4.2 @ 7,800, RR 4.2 @ 3,200, DT 7 min, 5 bbl swp Tag plug #15 @ 14,734', PR 4.2 @ 7,800, RR 4.1 @ 3,200, DT 5 min, 10 bbl swp Tag plug #16 @ 14,879', PR 4.2 @ 7,800, RR 4.2 @ 3,200, DT 6 min, 5 bbl swp Tag plug #17 @ 15,074', PR 4.2 @ 8,000, RR 4.2 @ 3,200, DT 7 min, 5 bbl swp Tag plug #18 @ 15,179', PR 4.2 @ 7,800, RR 4.2 @ 3,100, DT 8 min, 20 bbl swp Tag plug #19 @ 15,330', PR 4.2 @ 7,800, RR 4.3 @ 3,000, DT 7 min, 5 bbl swp Tag plug #20 @ 15,482', PR 4.2 @ 7,800, RR 4.2 @ 3,000, DT 7 min, 5 bbl swp Tag plug #21 @ 15,632', PR 4.2 @ 7,700, RR 4.2 @ 3,000, DT 5 min, 10 bbl swp While RIH to plug #22, coil tagged up. POOH to check BHA CMIC: Lance Conques	



Activity - Chronology by Job - Multi Summary

Well Name: **UNIVERSITY BLK 20 1310H**

API/UWI 4249533713	SAP Cost Center ID 1698531001	Permit Number 813661	State/Province Texas	County Winkler
Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
54.0	6/3/2018	6/4/2018	15,788.00	5,121,764.04	<p>No Venting. Hold SM. Review JSA's. Initiate SOP's. After further discussion, reversed decision to POOH to check tools - run back in hole from 12,567' and resumed drilling plugs without problems. Tag plug #22 @ 15,773', PR 4.2 @ 7,500, RR 4.3 @ 3,000, DT 9 min, 5 bbl swp Tag plug #23 @ 15,923', PR 4.2 @ 7,500, RR 4.3 @ 3,000, DT min, 5 bbl swp Tag plug #24 @ 16,076', PR 4.2 @ 7,500, RR 4.3 @ 3,050, DT 14 min, 20 bbl swp Tag plug #25 @ 16,224', PR 4.2 @ 7,800, RR 4.1 @ 3,100, DT 13 min, 5 bbl swp Tag plug #26 @ 16,370', PR 4.2 @ 7,800, RR 4.1 @ 3,100, DT 6 min, 5 bbl swp Tag plug #27 @ 16,518', PR 4.2 @ 7,700, RR 4.2 @ 3,150, DT 6 min, 10 bbl swp Tag plug #28 @ 16,675', PR 4.2 @ 7,850, RR 4.2 @ 3,150, DT 7 min, 5 bbl swp Tag plug #29 @ 16,822', PR 4.2 @ 7,700, RR 4.2 @ 3,150, DT 6 min, 5 bbl swp Tag plug #30 @ 16,973', PR 4.2 @ 7,700, RR 4.2 @ 3,150, DT 6 min, 20 bbl swp Tag plug #31 @ 17,109', PR 4.2 @ 7,900, RR 4.2 @ 3,150, DT 6 min, 5 bbl swp Tag plug #32 @ 17,285', PR 4.2 @ 7,900, RR 4.2 @ 3,150, DT 5 min, 5 bbl swp Tag plug #33 @ 17,429', PR 4.2 @ 8,000, RR 4.2 @ 3,150, DT 6 min, 10 bbl swp Tag plug #34 @ 17,584', PR 4.2 @ 7,700, RR 4.2 @ 3,150, DT 6 min, 5 bbl swp Tag plug #35 @ 17,729', PR 4.2 @ 7,800, RR 4.1 @ 3,150, DT 6 min, 5 bbl swp Tag plug #36 @ 17,875', PR 4.2 @ 7,900, RR 4.3 @ 3,150, DT 8 min, 20 bbl swp Tag plug #37 @ 18,023', PR 4.2 @ 8,200, RR 4.3 @ 3,150, DT 9 min, 5 bbl swp Tag plug #38 @ 18,174', PR 4.2 @ 7,900, RR 4.3 @ 3,150, DT 6 min, 5 bbl swp Tag plug #39 @ 18,328', PR 4.2 @ 7,600, RR 4.2 @ 3,150, DT 5 min, 10/10/10 bbl swp</p> <p>CMIC: Jeff Eckstein</p>	<p>No Venting. Hold SM. Review JSA's. Initiate SOP's. Tag plug #40 @ 18,497', PR 4.2 @ 8,000, RR 4.3 @ 3,100, DT 5 min, 5 bbl swp Tag plug #41 @ 18,548', PR 4.2 @ 8,000, RR 4.2 @ 3,100, DT 16 min, 5 bbl swp Tag plug #42 @ 18,707', PR 4.2 @ 8,100, RR 4.3 @ 3,200, DT 8 min, 20 bbl swp Tag plug #43 @ 18,855', PR 4.2 @ 8,300, RR 4.3 @ 3,200, DT 13 min, 5 bbl swp Tag plug #44 @ 19,005', PR 4.2 @ 7,900, RR 4.3 @ 3,100, DT 21 min, 20-10-20 bbl swp Tagged at 19,047' CTM, waited on sweeps to exit coil and begin POOH</p> <p>CMIC: Lance J Conques</p>	
55.0	6/4/2018	6/5/2018	322,313.67	5,444,077.71	<p>No Venting. Hold SM. Review JSA's. Initiate SOP's. Continue POOH with CT. OOH at 08:40, close master valve, WHP 3,100 psi. After bumping up, depth indicator read -78'. Bled down, broke out tools - mill in fairly good condition, OD worn down from 3.75" to 3.71". Blow CT dry with nitrogen. RDMO Conquest, Jaguar, and Falcon.</p> <p>CMIC: Jeff Eckstein / Lance Conques</p>		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

API/UWI 4249533713	SAP Cost Center ID 1698531001	Permit Number 813661	State/Province Texas	County Winkler
Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
56.0	6/5/2018	6/6/2018	7,776.25	5,451,853.96	No Venting. Hold SM. Review JSA's. Initiate SOP's. MIRU RTI. Clean SandX and sweep tanks - will have to continue tomorrow. CMIC: Jeff Eckstein		
57.0	6/6/2018	6/7/2018	59,439.15	5,511,293.11	No Venting. Hold SM. Review JSA's. Initiate SOP's. MIRU RTI tank cleaning crew. Continue cleaning out SandX and sweep tanks. MIRU Capitan WL, Weatherford packer hand, RTI test truck, Jaguar flowback. Wait on 7" WL valve until 15:00. MU tool string, including 5.875" GR/JB. PT lubricator to 5,000 psi. Equalize and open well, SICP 3,350 psig, RIH w/GR/JB to liner top at 11,189'. POH with GR/JB (clean). MU setting tool on pkr Assy: 2-7/8" dual 10k burst disc sub, 2.25" R nipple (2.197" NoGo), 2-7/8" x 6' L-80 tbg sub, 7" x 2-7/8" Arrowset 1X packer, 7" x 2-7/8" On/Off tool with 2.25 F profile. PT lubricator to 5,000 psig. Equalize and open well, SICP 3,350 psig. RIH w/packer assembly. Set @ 11,116' WLM (center of element). POH with setting tool. Note: SJ 11,068' to 11,088'. Negative test packer assembly by bleeding casing pressure to 0 psig. RDMO Capitan, Weatherford, RTI, and Jaguar. CMIC: Jeff Eckstein Move Basic rig #1765 and Basic reverse unit to location and SDFD due to WL still rigged up on well and missing anchor. Prep to MIRU pulling unit ND Frac stak NU 10 K 7-1/16 Shear/blind + tbg ram combo BOP this am. CMIC Chunkie Rodriguez		
58.0	6/7/2018	6/8/2018	40,591.61	5,551,884.72	Anchors tested 11/17 No venting Review JSA. Initiate SOP's. HSM. SICP-0 psig MIRU Basic pulling unit # 1765 and Basic reverse unit Set and tst POSI stop Basic rig crew ND10K flow cross+ 7-1/16 Frac valves NU KLX 10K 7-1/16 shear+tbg BOP10K FT gd set hgr in tbg head and PT stack to 4500 psig tst gd LD hgr. Divine forklift set in Basic LD machine ,pipe racks and 2-7/8" L-80-TK-70XT tbg (tallied) Wait on tbg 2 hrs TIH w/Weatherford on/off tl+ (1) jnt 2-7/8 TK-70XT, Weatherford (#1)GV (15) jnts 2-7/8 TK-70XT-IPC (#2) GV (15) jnts 2-7/8 TK-70XT-IPC (#3) GV (4) jnts 2-7/8 TK-70XT-IPC (#4) GV (29) jnts 2-7/8 TK-70XT-IPC (#5) GV (17) jnts 2-7/8 TK-70XT-IPC (#6) GV (17) jnts 2-7/8 TK-70XT-IPC (#7) GV (17) jnts 2-7/8 TK-70XT-IPC (#8) GV (16) jnts 2-7/8 TK-70XT-IPC (#9) GV (17) jnts 2-7/8 TK-70XT-IPC (#10) GV (17) jnts 2-7/8 TK-70XT-IPC (#11) GV (17) jnts 2-7/8 TK-70XT-IPC (#12) GV (17) jnts 2-7/8 TK-70XT-IPC (#13) GV (18) jnts 2-7/8 TK-70XT-IPC (#14) GV (18) jnts 2-7/8 TK-70XT-IPC tbg (#15)GV (19) jnts 2-7/8 TK-70XT-IPC tbg (#16) GV (36) jnts 2-7/8 TK-70XT 2-7/8 tbg (9211') total jnts run (280) out of (344) Secure well and SDFD Prep to continueTIH w/ tbg this am. CMIC Chunkie Rodriguez.		



Activity - Chronology by Job - Multi Summary

Well Name: UNIVERSITY BLK 20 1310H

API/UWI 4249533713	SAP Cost Center ID 1698531001	Permit Number 813661	State/Province Texas	County Winkler
Surface Location	Spud Date 7/13/2017 06:30	Original KB Elevation (ft) 2,838.50	Ground/Corrected Ground Elevation (ft) 2,812.00	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
59.0	6/7/2018	6/8/2018	35,245.12	5,587,129.84	No venting Review JSA. Initiate SOP's. HSM. SICP-0 psig Set and tst POSI stop Continue TIH w/ (54) jts 2-7/8 TK-70XT tbg, (1) 2-7/8x8TK-70XT tbg sub (1) jt 2-7/8 TK-70XT Tbg hgr land w/ 15pts compression Circ 240 bbls FW w/Biocide/ pkr fluid @ 2.5 BPM flush tbg w/ 64 bbls FW/biocide install hanger w/ two way valve latch on pkr and land with 15k of compression in WH, ND 10K BOPE NU10Kx5K spool 5K 2-9/16 tree. Test void to 5000 psig tst tree to 4500psig (gd). Remove two way valve RDMO pulling unit and reverse unit Final report. CMIC Chunkie Rodriguez	TIH w/ Weatherford GV	
60.0	6/8/2018	6/9/2018	11,345.66	5,598,475.50	No Venting. HSM. Review JSA's. Initiate SOP's. MIRU Pheonix SLU. RU KT. Test lub to 4000 psig. Tst OK. RIH with SL and 1.75" OD chisel. PT tbg to 3500 psig. Tag and break disc @ 11,117'.psig equalized @ 3,500 psig. POH with SL and chisel. SITP 3,500 psig. SWI. RD SLU and KT. Rpt pending flowback.. CMIC-Chunkie Rodriguez		