



Completion Data

Well Name: UL Carpenter 7-20 Unit #2LS

API/UWI 42-003-47080	Extra Well ID B 590102	Field Name University Lands	License # 804518	State/Province Texas	Well Configuration Type Horizontal
Original KB Elevation (ft) 2,994.00	KB-Tubing Head Distance (ft)	Spud Date 7/12/2015 09:30	Rig Release Date 8/1/2015 06:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Job Category COMPLETION	Primary Job Type Initial Completion	Secondary Job Type	Status 1
AFE Number E15109	Start Date 9/1/2015 06:00	End Date	

Job Contacts	
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Rpt #	End Date	Summary
1.0	9/2/2015	MIRU Archer WL to run RCBL/CCL. TOC = 4650'. Install risers & gravel in cellar
2.0	9/4/2015	RU iron an test same to 9000 psi, test csg for 3000 psi for 5 min, test csg to 6500 psi for 15 min, pressure up to 7800 psi sleeve didn't open, pressure up to 8400 psi sleeve opened 3rd time, start pumping acid @ 5 bpm 5240 psi, 7 bpm @ 6300 psi, 15 bpm @ 5100 psi, total load 577 bbls, 72 bbls 15% DINEFE, 505 bbls KCL, ISIP 1946 psi, 5 min 1834 psi, 10 min 1800 psi, 15 min 1780 psi, 30 min 1750 psi, SWI, all valves closed, RDMO
3.0	9/16/2015	WL Info: installed 8-26-15, (14 runs) Total Length 29,950', Max mic. OD .286" @ 27,000' under 2,400 psi tension, using .294" tubes. MIRU frac package, wireline, crane, flowback, water transfer, NU frac stack, pumpdown and Aegis. Pressure test stack and Injection lines to 9,000 psi.
4.0	9/17/2015	AOL/Safety Meeting Stg 1) Stim with 2500 gal 10% HCl acid. 4,191 Bbls FR-66 SW, 23,760 lbs100 Mesh 48,012 lbs 30/50 Brady. AIR/AIP= 90.0/7079.0 ; ISIP= 1873.0 psi. FG=.64 Stg 2) RIH w/ WL & set plug @ 19,624' Perfs 19,416-19,595 PD= 1182 bbls @ 18 bpm @ 4500 psi. Stim with 2500 gal 10% HCl acid.10,835 Bbls FR-66 SW, 89,980 lbs100 Mesh 221,229 lbs 30/50 Brady. AIR/AIP= 96/6212 ; ISIP= 1715 psi. FG=.63 Stg 3) RIH w/ WL & set plug @ 19,376' Perfs 19,178' - 19,357', PD= 569 bbls @ 18 bpm @ 4600 psi. Stim with 2520 gal 10% HCl acid.11,117 Bbls FR-66 SW, 90,544 lbs100 Mesh 235,732 lbs 30/50 Brady . AIR/AIP= 92/6106 ; ISIP= 1719 psi. FG-.63 Stg 4) RIH w/ WL & set plug @ 19,148' Perfs 18,940' - 19,119', PD= 544 bbls @ 18 bpm @ 4000 psi. Stim with 2520 gal 10% HCl acid 11,152 Bbls FR-66 SW. 91,413 lbs100 Mesh. 218,997 lbs 30/50 Brady. AIR/AIP= 94.0/ 6170 ; ISIP= 1521 psi. FG=.60 At Time Of Report:WL Rehead Before Stage 5 Pit Level: 15.10ft RC/BM +
5.0	9/18/2015	Safety Meeting Stg 5) RIH w/ WL & set plug @ 18,910' Perfs 18,702-18,881 PD= 471 bbls @ 18 bpm @ 4000 psi. Stim with 2500 gal 10% HCl acid 10,832 Bbls FR-66 SW, 90,000 lbs100 Mesh. 220,091 lbs 30/50 Brady. AIR/AIP= 95.0/6088 ; ISIP= 1442 psi. FG=.60 Stg 6) RIH w/ WL & set plug @ 18,672' Perfs 18,464-18,641, PD= 466 bbls @ 18 bpm @ 3900 psi. Stim with 2500 gal 10% HCl acid. 14409 Bbls FR-66 SW, 91086 lbs100 Mesh 220003 lbs 30/50 Brady. AIR/AIP= 93/6048 ; ISIP= 1826 psi. FG=.64 At Time Of Report: WL issues on #1LS Pit Level: 15.75' RC/BM



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Rpt #	End Date	Summary
6.0	9/19/2015	<p>Safety Meeting</p> <p>WL OOH On 1LS, Wait on WL adapter kits and new Sleeves/RD Casedhole.</p> <p>MIRU Archer and Raider</p> <p>Archer WL: 25k ft Length, Wire OD .289, Tubes .295, Last Date Serviced 8-5-2015 Pressure Control, Bops Shell test 8-15-15, Date Redressed 8-15-15, Function test- Good</p> <p>Stg 7) RIH w/ WL & set plug @ 18,434' Perfs 18,226' - 18,405', PD= 540 bbls @ 16 bpm @ 3870 psi. Stim with 2520 gal 10% HCl acid.11,042 Bbls FR-66 SW, 90,700 lbs100 Mesh 219,814 lbs 30/50 Brady. AIR/AIP= 91/6674 ; ISIP= 1891 psi. FG=.64</p> <p>Stg 8) RIH w/ WL & set plug @ 18,197' Perfs 17,988' - 18,167', PD= 496 bbls @ 16 bpm @ 4125 psi.</p> <p>At Time Of Report: WL Rehead</p> <p>Pit Level:16.5'</p> <p>RC/BM</p>
7.0	9/20/2015	<p>Safety Meeting</p> <p>Stg 8) Stim with 2520 gal 10% HCl acid.10,960 Bbls FR-66 SW. 90,140 lbs100 Mesh. 220,077 lbs 30/50 Brady. AIR/AIP= 95.0/ 6695 ; ISIP= 1819 psi. FG=.64</p> <p>Stg 9) RIH w/ WL & set plug @ 17,958' Perfs 17,750' - 17,929'. PD= 505 bbls @ 16 bpm @ 3758 psi. Stim with 2500 gal 10% HCl acid.10,796 Bbls FR-66 SW. 91,420 lbs100 Mesh. 221,382 lbs 30/50 Brady. AIR/AIP= 96.0/ 6746 ; ISIP= 1962 psi. FG= .65</p> <p>Stg 10) RIH w/ WL & set plug @ 17,720' Perfs 17,512' - 17,689'. PD= 501 bbls @ 16 bpm @ 4180 psi. Stim with 2520 gal 10% HCl acid. 10,635 Bbls FR-66 SW. 89,960 lbs100 Mesh 219,237 lbs 30/50 Brady . AIR/AIP= 90/6349 ; ISIP= 1637 psi. FG .62</p> <p>Stg 11) RIH w/ WL & set plug @ 17,480' Perfs 17,274' - 17,453'. PD= 478 bbls @ 16 bpm @ 3850 psi.</p> <p>At Time Of Report: Prep to Frac stage 11</p> <p>Pit Level: 16'</p> <p>RC/BM</p>
8.0	9/21/2015	<p>Safety Meeting</p> <p>Stg 11) Stim with 2520 gal 10% HCl acid, 10,768 Bbls FR-66 SW. 89,600 lbs100 Mesh. 220,403 lbs 30/50 Brady. AIR/AIP= 96.0/ 6642 ; ISIP= 1729 psi. FG=.63</p> <p>Stg 12) RIH w/ WL & set plug @ 17,244' Perfs 17,036' - 17,215'. PD= 464 bbls @ 16 bpm @ 3382 psi. Stim with 2520 gal 10% HCl acid.10,568 Bbls FR-66 SW. 90,040 lbs100 Mesh. 220,368 lbs 30/50 Brady. AIR/AIP= 96.0/ 6713; ISIP= 2406 psi. FG=.70</p> <p>Stg 13) RIH w/ WL & set plug @ 17,006' Perfs 16,798' - 16,977', PD= 448 bbls @ 16 bpm @ 3572 psi. Stim with 2520 gal 10% HCl acid. 10,105 Bbls FR-66 SW. 90,520 lbs100 Mesh 219,108 lbs 30/50 Brady . AIR/AIP= 90/6371 ; ISIP= 2250 psi. FG .68</p> <p>Stg 14) RIH w/ WL & set plug @ 16,768' Perfs 16,568' - 16,734 , PD= 426 bbls @ 16 bpm @ 4790 psi. Stim with 2520 gal 10% HCl acid. 11,373 Bbls FR-66 SW. 87,433 lbs100 Mesh. 222,690 lbs 30/50 Brady. AIR/AIP= 90/6301; ISIP= 2213 psi. FG=.68</p> <p>At Time Of Report: Wait on #1LS WL ops</p> <p>Pit Level:16'</p> <p>RC/BM</p>



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Rpt #	End Date	Summary
9.0	9/22/2015	<p>Safety Meeting</p> <p>Stg 15) RIH w/ WL & set plug @ 16,530' Perfs 16,322'-16,501' .PD= 414 bbls @ 16 bpm @ 4058 psi. Stim with 2520 gal 10% HCl acid 10,668 Bbls FR-66 SW. 90,093 lbs100 Mesh. 220,430 lbs 30/50 Brady. AIR/AIP= 96.0/ 6484 ; ISIP= 2127 psi. FG=.67</p> <p>Down for repairs to blender Screws, change Motors and bearings before stage 15 Frac.</p> <p>Stg 16) RIH w/ WL & set plug @ 16,292' Perfs 16,084'-16,263' .PD= 369 bbls @ 16 bpm @ 3883 psi. Stim with 2520 gal 10% HCl acid.10,490 Bbls FR-66 SW. 89,940 lbs100 Mesh 220,170 lbs 30/50 Brady. AIR/AIP= 90/6234; ISIP= 2223 psi. FG=.68</p> <p>Stg 17) RIH w/ WL & set plug @ 16,050' Perfs 15,842' - 16,025'. PD= 376 bbls @ 16 bpm @ 3900 psi. Stim with 2520 gal 10% HCl acid.10,519 Bbls FR-66 SW. 90,100 lbs100 Mesh. 220,456 lbs 30/50 Brady . AIR/AIP= 93.0/ 6404 ; ISIP= 2479 psi. FG .71</p> <p>At Time Of Report: Stage 18 WL P & P</p> <p>Pit Level: 16FT</p> <p>RC/BM</p>
10.0	9/23/2015	<p>Safety Meeting</p> <p>Stg 18) RIH w/ WL & set plug @ 15,816' . Perfs 15,608'-15,787'. PD= 346 bbls @ 16 bpm @ 3580 psi. Stim with 2520 gal 10% HCl acid. 10,599 Bbls FR-66 SW. 90,251 lbs100 Mesh. 219,626 lbs 30/50 Brady. AIR/AIP= 91/5805 ; ISIP= 2201 psi. FG=.68</p> <p>Stg 19) RIH w/ WL & set plug @ 15,578' .Perfs 15,370'-15,549'. PD= 357 bbls @ 16 bpm @ 3257 psi.</p> <p>At Time Of Report: Frac Ops On Adj Well</p> <p>Pit Level: 16.75'</p> <p>RC/BM</p>
11.0	9/24/2015	<p>Safety Meeting</p> <p>Stg 19) Stim with 2500 gal 10% HCl acid.10,632 Bbls FR-66 SW, 89,480 lbs100 Mesh. 224,652 lbs 30/50 Brady. AIR/AIP= 94.0/ 6175 ; ISIP= 2031 psi. FG=.66</p> <p>Stg 20) RIH w/ WL & set plug @ 15,340'. Perfs 15,130'-15,313'. PD= 385 bbls @ 16 bpm @ 3857 psi. Stim with 2500 gal 10% HCl acid.10,637 Bbls FR-66 SW. 90,623 lbs100 Mesh. 219,931 lbs 30/50 Brady. AIR/AIP= 96.0/ 6345 ; ISIP= 1942 psi. FG=.65</p> <p>Stg 21) RIH w/ WL & set plug @ 15,102' Perfs 14894' - 15073'. PD= 322 bbls @ 16 bpm @ 3460 psi. Stim with 2520 gal 10% HCl acid. 10,631 Bbls FR-66 SW. 89,460 lbs100 Mesh. 220,196 lbs 30/50 Brady . AIR/AIP= 89/6171 ; ISIP= 2092 psi. FG - .67</p> <p>Stg 22) RIH w/ WL & set plug @ 14,864' Perfs 14654' - 14835'. PD= 309 bbls @ 16 bpm @ 3400 psi. Stim with 2520 gal 10% HCl acid.10,746 Bbls FR-66 SW. 94,415 lbs100 Mesh. 216,140 lbs 30/50 Brady. AIR/AIP= 93.0/ 5352 ; ISIP= 2010 psi. FG=.66</p> <p>At Time Of Report: Stage 23 WL Rehead</p> <p>Pit Level: 16.50'</p> <p>RC/BM</p>



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Rpt #	End Date	Summary
12.0	9/25/2015	<p>Safety Meeting</p> <p>Stg 23) RIH w/ WL & set plug @ 14,626' Perfs 14,418'-14,597'. PD= 317 bbls @ 16 bpm @ 2850 psi. Stim with 2500 gal 10% HCl acid.10,450 Bbls FR-66 SW. 89,657 lbs100 Mesh. 224,101 lbs 30/50 Brady. AIR/AIP= 96.0/ 6077 ; ISIP= 2304 psi. FG=.69</p> <p>Stg 24) RIH w/ WL & set plug @ 14,388' Perfs 14,178'-14,359', PD= 301 bbls @ 16 bpm @ 2952 psi. Stim with 2500 gal 10% HCl acid. 10,506 Bbls FR-66 SW. 89,500 lbs100 Mesh. 221,308 lbs 30/50 Brady. AIR/AIP= 95/6114 ; ISIP= 1958 psi. FG=.65</p> <p>Stg 25) RIH w/ WL & set plug @ 14150' Perfs 13942' - 14121', PD= 280 bbls @ 16 bpm @ 3300 psi. Stim with 2500 gal 10% HCl acid. 10,416 Bbls FR-66 SW. 90,540 lbs100 Mesh. 220,532 lbs 30/50 Brady . AIR/AIP= 91/5859; ISIP= 2012 psi. FG - .66</p> <p>Stg 26) RIH w/ WL & set plug @ 13,912' Perfs 13,704'-13,876', PD= 263 bbls @ 16 bpm @ 3400 psi.</p> <p>At Time Of Report: Frac Ops On #1LS</p> <p>Pit Level: 16.0 FT</p> <p>RC/BM</p>
13.0	9/26/2015	<p>Safety Meeting</p> <p>Stg 26) Stim with 2500 gal 10% HCl acid.10,540 Bbls FR-66 SW, 89,500 lbs100 Mesh 220,436 lbs 30/50 Brady. AIR/AIP= 96.0/ 5926 ; ISIP= 2192 psi. FG=.68</p> <p>Stg 27) RIH w/ WL & set plug @ 13,674' Perfs 13,466-13,645 PD= 254 bbls @ 16 bpm @ 2930 psi. Stim with 2520 gal 10% HCl acid 11,523 Bbls FR-66 SW, 89,863 lbs100 Mesh. 218,823 lbs 30/50 Brady. AIR/AIP= 92/5952 ; ISIP= 2227 psi. FG=.68</p> <p>Stg 28) RIH w/ WL & set plug @ 13,436' Perfs 13,228' - 13,407', PD= 232 bbls @ 16 bpm @ 3400 psi. Stim with 2520 gal 10% HCl acid 10,651 Bbls FR-66 SW, 89020 lbs100 Mesh. 221,209 lbs 30/50 Brady . AIR/AIP= 93/5611; ISIP= 1845 psi. FG .64</p> <p>Stg 29) RIH w/ WL & set plug @ 13,196' Perfs 12,990' - 13,169', PD= 224 bbls @ 16 bpm @ 3150 psi. Stim with 2520 gal 10% HCl acid.10,585 Bbls FR-66 SW, 92180 lbs100 Mesh. 125,172 lbs 30/50 Brady and 95,238 30/50 Arizona. AIR/AIP= 93/5653 ; ISIP= 2106 psi. FG=.67</p> <p>At Time Of Report: Stage 30 P&P</p> <p>Pit Level: 16'</p> <p>RC/BM</p>
14.0	9/27/2015	<p>Safety Meeting</p> <p>Stg 30) RIH w/ WL & set plug @ 12,960' .Perfs 12,754'-12,931', PD= 203 bbls @ 16 bpm @ 2917 psi. Stim with 2520 gal 10% HCl acid.10,595 Bbls FR-66 SW, 89,500 lbs100 Mesh. 143,090 lbs 30/50 Arizona. 77,410 30/50 Brady AIR/AIP= 96.0/ 5978; ISIP= 2347psi. FG=.69</p> <p>Stg 31) RIH w/ WL & set plug @ 12,722' Perfs 12,514'-12,693'. PD= 204 bbls @ 16 bpm @ 2440 psi. Stim with 2520 gal 10% HCl acid.10,400 Bbls FR-66 SW, 89,420 lbs100 Mesh. 220,509 lbs 30/50 Brady. AIR/AIP= 96.0/ 5664; ISIP= 2130 psi. FG=.67</p> <p>Stg 32) RIH w/ WL & set plug @ 12484' Perfs 12,276' - 12,459', PD= 192 bbls @ 16 bpm @ 3100 psi. Stim with 2520 gal 10% HCl acid.10,528 Bbls FR-66 SW, 90,560 lbs100 Mesh. 144,030 lbs 30/50 Arizona & 76,470 lbs 30/50 Brady . AIR/AIP= 92/5755; ISIP= 1854 psi. FG 64</p> <p>Stg 33) RIH w/ WL & set plug @ 12246' Perfs 12,038' - 12,217', PD= 169 bbls @ 16 bpm @ 3100 psi. Stim with 2520 gal 10% HCl acid.10,510 Bbls FR-66 SW, 90,020 lbs100 Mesh. 17,000 lbs 30/50 Arizona & 203,500 lbs 30/50 Premium (NWS) . AIR/AIP= 92/5677; ISIP= 2080 psi. FG=.67</p> <p>Stg 34) RIH w/ WL & set plug @ 11,998' Perfs 11,800' - 11,979, PD= 158 bbls @ 16 bpm @ 3300 psi.</p> <p>At Time Of Report: WO adj well frac ops</p> <p>Pit Level: 16'</p> <p>RC/BM</p>



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15.0	9/28/2015	<p>Safety Meeting</p> <p>Stg 34) Stim with 2520 gal 10% HCl acid. 10,507 Bbls FR-66 SW, 90,251 lbs100 Mesh. 40,520 lbs 30/50 Brad., 179,980 30/50 Premium White. AIR/AIP= 97/5878 ; ISIP= 2630 psi. FG= 0.73</p> <p>Stg 35) RIH w/ WL & set plug @ 11,770'. Perfs 11,562' - 11,741', PD= 178 bbls @16 bpm @ 3844 psi. Stim with 2520 gal 10% HCl acid. 89,440 Bbls FR-66 SW. 89,440 lbs100 Mesh. 220,260 lbs 30/50 Brady. AIR/AIP= 92/5670; ISIP= 2332 psi. FG=.69</p> <p>Stg 36) RIH w/ WL & set plug @ 11,532' .Perfs 11,324' - 11,498', PD= 130 bbls @ 16 bpm @ 3500 psi. Stim with 2520 gal 10% HCl acid. 10,463 Bbls FR-66 SW. 90,660 lbs100 Mesh. 220,400 lbs 30/50 Brady . AIR/AIP= 90/5683; ISIP= 1981 psi. FG .65</p> <p>Stg 37) RIH w/ WL & set plug @ 11,294' .Perfs 11,086' - 11,265', PD= 109 bbls @ 16 bpm @ 2800 psi.</p> <p>At Time Of Report: Start stg 37</p> <p>Pit Level: 15'</p> <p>NB/BM</p>
16.0	9/29/2015	<p>Safety Meeting</p> <p>Stg 37) Stim with 2500 gal 10% HCl acid.10,423 Bbls FR-66 SW, 90,900 lbs100 Mesh 218,380 lbs 30/50 Brady. AIR/AIP= 96/5823 ; ISIP= 2297 psi. FG=0.69</p> <p>Stg 38) RIH w/ WL & set plug @ 11,056' Perfs 10,848' - 11,027', PD= 98 bbls @18 bpm @ 2838 psi. Stim with 2500 gal 10% HCl acid.10,843 Bbls FR-66 SW, 89,429 lbs100 Mesh. 220,678 lbs 30/50 Brady. AIR/AIP= 97/5700 ; ISIP= 2455 psi. FG=0.71</p> <p>Stg 39) RIH w/ WL & set plug @ 10,818' Perfs 10,606' - 10,785', PD= 91 bbls @16 bpm @ 2520 psi. Stim with 2520 gal 10% HCl acid. 10,420 Bbls FR-66 SW. 90,080 lbs100 Mesh 37,540 lbs 30/50 Arizona & 182,960 lbs 30/50 Premium(NWS) . AIR/AIP= 92/5512; ISIP= 1896 psi. FG 65</p> <p>Stg 40) RIH w/ WL & set plug @ 10,580' Perfs 10,372' - 10,551', PD= 76 bbls @ 16 bpm @ 3600 psi.</p> <p>At Time Of Report: Frac stg 40</p> <p>Pit Level: 15'</p> <p>CC/BM</p>
17.0	9/30/2015	<p>Safety Meeting</p> <p>Stg 40) Stim with 2500 gal 10% HCl acid.10,527 Bbls FR-66 SW. 90,160 lbs100 Mesh. 220,406 lbs 30/50 Brady. AIR/AIP= 95/5608 ; ISIP= 2301 psi. FG=0.69</p> <p>Stg 41) RIH w/ WL & set plug @ 10,342'. Perfs 10,134' -10,313', PD= 56 bbls @16 bpm @ 2822 psi. Stim with 2500 gal 10% HCl acid.10,460 Bbls FR-66 SW. 90,480 lbs100 Mesh. 220,329 lbs 30/50 Brady. AIR/AIP= 96/5735 ; ISIP= 1996 psi. FG=0.66</p> <p>Stg 42) RIH w/ WL & set plug @ 10104' Perfs 9896 - 10075, PD= 52 bbls @16 bpm @ 3837 psi. Stim with 5040 gal 10% HCl acid. 10,502 Bbls FR-66 SW. 92,700 lbs100 Mesh. 220,500 lbs 30/50 Arizona . AIR/AIP= 98/5321 ; ISIP= 2551 psi. FG .72</p> <p>Set CBP @ 9480' Test to 4000 psi, (-) test good, POH</p> <p>At Time Of Report: Well ready for DO ops</p> <p>Pit Level:14'</p> <p>TLTR: 475,606 bbls</p> <p>CC/BM</p>
18.0	10/6/2015	<p>Finished drill-out on UL Carpenter 7-20 #1 LS. MIRU WSU & Aux Equip. PUMU 4 3/4" DO BHA & TIH w TBG. Cont 24hr DO Ops. M.R. / L.M.</p>



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19.0	10/7/2015	<p>(6:00 - 18:00): TIH W/ DO BHA. Drilled out plugs: #1 (cap), 2,3 & 4. Rotated & circulated to plug #5. Pumped sweeps, circulating sweeps OOH in progress (3 BPM in @ 2800 psi / 3 BPM out @ 400 psi). M.R.</p> <p>(18:00 - 6:00): HSM FCP 350 psi. TIH W/ DO BHA. Drilled out plugs: 5,6,7,8,9,10,11,12 Rotated & circulated to plug #13. @ Rpt time. Pumped sweeps, circulating sweeps OOH in progress (3.5 BPM in @ 3300 psi / 3 BPM out @ 300 psi). Cont 24hr DO Ops LM</p>
20.0	10/8/2015	<p>(6:00 - 18:00) Drilled out plugs: 13,14,15,16,17,18,19 & 20. Pumped 10 bbl. sweep after drilling out each plug. Majority of time circulating @ 4-1/2 BPM in @ 5000 psi / 4 BPM out (beginning 250 psi - ending 170 psi). M.R.</p> <p>(18:00 - 24:00): Finished bottoms up circulation. 4-1/2 BPM in @ 5000 psi / 4 BPM out @ 190 psi. Drilled out plug #21, Rotate & circulate to plug #23. Drilled out plugs #22 & 23 at plug 23 depth. Pumped sweeps (10 bbl sweep, 100 BFW spacer, 20 bbl sweep). Circulated bottoms up. Good plug part recovery. M.R.</p> <p>HSM, FCP 200 psi, Sweeps Back DO plug 24 TIH to 25. SD due to lighting. DO Plug 25 tag 26, Circ Sweeps, DO plug 26 @ Rpt time Cont 24hr DO Ops. MR/LM</p>
21.0	10/9/2015	<p>(6:00 - 18:00): HSM, FCP 200 psi, DO Plug 26,27 tag 28 Circ Sweeps @ 4.5 IN 4.0 OUT fcp 200 PSI. Do Plug 28,29 tag 30 Circ Sweeps @ 4.5 in 4.0 out FCP 210 psi. DO Plugs 30,31 tag 32 Circ Sweeps @ 4.5 in 4.0 out FCP 200 PSI, DO Plug 32 TIH to 33 @ Rpt Time Cont 24hr DO Ops. L.M.</p> <p>(18:00 - 6:00): Drilled out plugs: 33, 34, 35, 36, 37 & 38. Pumped sweeps after Drill-out of each plug. Pumped sweeps + bottoms up after drilling out 3 plugs. 4-1/2 BPM in @ 5500 psi / 4 BPM out @ 200 psi. Note: Swivel problems = 3 hr. delay. M.R.</p>
22.0	10/10/2015	<p>(6:00 -18:00) HSM, FCP 200 psi, DO Plug 38 did not see plugs 39 or 40 tag up @ plug 41 19,377' DO plugs 39 made 3.5 feet. Pick up & Circ Sweeps. Attempt to DO plug 40 Made 2' Swivel Started Stalling out & Was Stuck 2 times trying to DO Plugs. pick up Circ Sweeps. TIH to top of plug 40 stump Started sticking again torque maxed out @3300 could not mack any hole Circ sweeps. spot pipe on pipe. SWI & TOH & LD 100 jnts RU Swivel @ Shift change. LM Note; pipe pulling great hole is clean, L.M.</p> <p>(18:00 - 6:00) (18:00 - 6:00): A. Finished circulating sweep OOH. POOH (stood back) PH6 WS to bottom of curve. D. Pumped sweep, circulated sweep OOH. Very little in plug catcher. B. POOH W/ 194 jts PH6 (stood back) = bit at 10090 bottom of curve. Pumped sweep. Circulated sweep OOH. C. POOH W/ 38 stands = bit @ 7717'. D. Circulated 195 bbl. 10 lb. brine (4-1/2 in / 4 out). SD pump = well dead. E. POOH W/ remainder of WS + BHA in progress. M.R.</p>
23.0	10/11/2015	<p>(6:00 - 18:00) HSM, SICP 0 PSI, PUMU 4 1/2" DO BHA & TIH w tbg Circ Brine out of hole every 30 stands to 7500' Cont to TIH w tbg to 13,915, started taking weight. have 36 stands in derrick. TOH & LD 72 Jnts tbg @ shift change. L.M.</p> <p>(18:00 - 6:00) A.Started having problem RIH W/ WS out of derrick (36 stands in derrick / 100 joints were laid down). B. LD 76 joints of 2-7/8" tbg out of well. C. RIH W/ the 36 remaining stands out of derrick = bit @ 13,819'. D. RU Stripper head & swivel. E. Pumped 20 bbl. sweep (295 bbl. required to circulate sweep OOH). Circulated 150 bbl. - returns very gassy + no wind = fire hazard. SD pump and SI manifold (manifold pressure circulating = 450 psi). Didn't bleed any gas /pressure off 5 -1/2" with pumps SD. Reducing wellhead pressure would allow influx from perms and could possibly stick WS. E. Rotated IH W/ 175 jts 2-7/8" PH6 WS: *613 total jts (350 jts 2-3/8 + 263 jts 2 7/8). Tag jt is #613. F. Repositioned pumps safe distance from gas buster (return tank). G. Prepare to pump sweep and circulate it OOH. @ report time. M.R.</p>
24.0	10/12/2015	<p>(6:00 - 18:00): HSM, SICP 400 psi, TIH to plug 41 19,424' Circ Sweep @ 4.5 in 4.0 out FCP 200 psi. DO stump of Plug 40 & plug 41 TIH to 19,643'. Circ 2X Btms Up. TOH & LD TBG. L.M.</p> <p>(18:00 - 6:00): Circulating sweep OOH after 100 jts 2-7/8" PH6 was LD. Both pumps went down - fuel problem. SI manifold. Pumps back on line. Pumped another 20 bbl. sweep & displaced sweep OOH. POOH LD PH6 WS. M.R.</p>
25.0	10/13/2015	Finished LD WS - leaving 50 joints IH. RU Snubbing unit. LD 50 jts + BHA. RD Snubbing unit. RD WSU. Turned well over to flowback. L.M. / M.R.
26.0	10/14/2015	24 Hrs test: (Flow) 40/64 ck. 83 BO + 1490 BW + 0 MCF. TP - 0 psi. LP - psi. CP - 230 psi. Daily Load Rec - 1490 Bbls. Cum Load Rec - 1900 Bbls (0%). [BUL - 476551].
27.0	10/15/2015	24 Hrs test: (Flow) 42/64 ck. 375 BO + 1518 BW + 0 MCF. TP - 0 psi. LP - psi. CP - 190 psi. Daily Load Rec - 1518 Bbls. Cum Load Rec - 3418 Bbls (1%). [BUL - 475033].
28.0	10/16/2015	24 Hrs test: (Flow) 54/64 ck. 251 BO + 1511 BW + 0 MCF. TP - 0 psi. LP - psi. CP - 130 psi. Daily Load Rec - 1511 Bbls. Cum Load Rec - 4929 Bbls (1%). [BUL - 473522].
29.0	10/19/2015	<p>Key # 6060 / Javier HSM & JSA, drove rig to loc. spot rig mat, wait for 2 7/8 tbg, unload 267 jts rack tbg, prepare tbg & tally tbg, SDFW.</p> <p>CMIC Ricky Harris</p>



Completion Data

Well Name: UL Carpenter 7-20 Unit #2LS

API/UWI 42-003-47080	Extra Well ID B 590102	Field Name University Lands	License # 804518	State/Province Texas	Well Configuration Type Horizontal
Original KB Elevation (ft) 2,994.00	KB-Tubing Head Distance (ft)	Spud Date 7/12/2015 09:30	Rig Release Date 8/1/2015 06:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Rpt #	End Date	Summary
30.0	10/20/2015	Key #6060 / Javier HSM & JSA, check pressures, bleed off well. ND frac valve, NU flange, NU annular, RU PU, RU tbq equip, PU 12 jts 2 7/8 6.5# L-80 tbq w/ 2 7/8 BP, desander, RU spooler ESP & PU 179 jts 2 7/8 6.5# L-80 tbq. Secure well, clean loc. SDFN. CMIC Ricky Harris
31.0	10/21/2015	Key #6060 / Javier HSM & JSA, check pressures, bleed off well. PU 87 jts 2 7/8 6.5# L-80 tbq. RD spooler, splice cable, land tbq. RD tbq equip, ND Annular, NU flange. Wait on well to pump up, RD PU, Clean loc. Move over @ UL Carpenter 7-20 2LS. CMIC Ricky Harris