

**MEWBOURNE OIL COMPANY**  
**500 WEST TEXAS, SUITE 1020**  
**MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
**Filename** \_\_\_\_\_ **Page** 1  
**API #42-495-33990**

**DATE** **DAILY REPORTS**

AUG 24 2017	Staked location 180' FSL & 1500' FEL, Sec 5, Blk 21, Winkler county, TX. Moved location 50' west from original calls due to existing pipelines. <u>This location will be shared with the University B21 5 #W101OB.</u> (JWB)
OCT 03 2017	MI Sweatt Const & start building location @ 180' FSL & 1500' FEL, Sec 5, Blk 21 Winkler Co. TX. (JWB)
OCT 04-05 2017	Continue building location. (JWB)
OCT 06 2017	Building location. (JWB)
OCT 07-19 2017	Continue building location. (JWB)
OCT 20 2017	Location finished & ready for cellar. TWC \$43,000. (JWB)
DEC 13 2017	MI Ready Drill & drill ratholes. Set 80' of 20" conductor pipe & cmt to surface w/Redi-mix. Verified location by GPS @ 180' FSL & 1500' FEL, Sec 5, Blk 21, UL Survey, Winkler Co., TX. Drop from report until further activity. EDCC \$0. CTCC \$0. EDDC \$0. CTDC \$43,000. CTWC \$43,000. AFEC \$6,540,900. (JA-C/RR/SH/FL)
JAN 26 2018	Walked Patterson/UTI #243 from University B20 5 #W101OB & RU. 100% Moved in. 85% Rigged up. Move day 1. EDCC \$0. CTCC \$0. EDDC \$0. CTDC \$43,000. CTWC \$43,000. AFEC \$6,540,900. (EE/DR-C/SH)
JAN 29 2018	<p><u>01/27/18</u>  300' (220'). Operation: Drlg. Formation: Surface rock. MW 9.0, Vis 31, pH 7, Cl 40k, Ca 120, Solids 4.0%, DMC \$1,327, TMC \$1,327. Bit #1, Size 17 1/2", Make STC, Type SSi716 (PDC), SN JL7647, Jets 10-16's, In @ 80', Made 220' in 3 hrs. PP 400#, RPM 105, WOB 20k, PR 73.3. (Finish RU 15, Weld conductor 3, Mix spud mud &amp; PU BHA 4, Drlg 3 hrs.) <b>Remarks:</b> Day 1. Finished RU. Weld on conductor. Mix spud mud &amp; PU BHA. <b>Spudded well w/Patterson/UTI #243 @ 3:00 A.M. MST 01/27/18</b> (Notified Stephanie w/TRRC). Drlg from 80' to 300'. Lost returns @ 192'. Continue drlg w/no returns. Regained returns @ 250'. BHA: Bit, Bit sub, Shock sub, 1-8" DC, Reamer, 2-8" DC's, XO, 9-6" DC's. Total BHA: 394.46'. Not losing @ report time. EDCC \$0. CTCC \$0. EDDC \$181,187. CTDC \$224,187. CTWC \$224,187. AFEC \$6,540,900. (EE/DR-C/LJ)</p> <p><u>01/28/18</u>  420' (120'). Operation: Testing BOPE. Formation: Surface rock - Anhy. MW 10.1, Vis 29, pH 9, Cl 170k, Ca 3200, Solids 1.1%, DMC \$317, TMC \$1,644. Bit #1, Size 17 1/2", Make STC, Type SSi716 (PDC), SN JL7647, Jets 10-16's, In @ 80', Out @ 420', Made 340' in 3 3/4 hrs. PP 450#, RPM 105, WOB 20k, PR 160.0. (Drlg 3/4, Circ 2 1/4, Trip 2 1/4, Cut off conductor 1 1/2, Run csg 2 1/2, Cmt 1, WOC 8, NU BOPE 2 3/4, Test BOPE 3 hrs.) <b>Remarks:</b> Day 2. Drlg from 300' to 420'. Circ sweep. TOOH. Cut off conductor. Held safety meeting. RU Bull Rogers &amp; run 13 3/8" csg. Installed Cameron 13 5/8" wellhead w/baseplate. Circ csg. RUBJ &amp; cmt. WOC. LD landing joint. Held safety meeting. RU Phoenix &amp; run Gyro. <b>Bottom hole closure @ 336' MD - 1.7' @ 303.1° Azm.</b> Held safety meeting. NU &amp; test BOPE w/Man Welding. BHA: Bit, Bit sub, Shock sub, 1-8" DC, Reamer, 2-8" DC's, XO, 9-6" DC's. Total BHA: 394.46'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$110,036. CTDC \$334,223. CTWC \$334,223. AFEC \$6,540,900. (EE/DR-C/LJ)</p>
	1 Weatherford TPGS 1.00' 1 13 3/8" 54.5# J55 ST&C Csg 45.15' 1 Weatherford Float Collar 1.75'

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7	13 3/8" 54.5# J55 ST&C Csg	314.62'
1	13 3/8" 54.5# J55 ST&C Csg Pup Jt	9.90'
1	13 3/8" Landing Tool	34.70
	Total	407.12'
	Less above KB	4.12'
	Csg set @	403.00'

(Note: Received 12 jts of 13 3/8" 54.5# J55 ST&C csg (537.29' T-off) from WB Supply - Manufactured by Hyundai. Returned 4 jts of 13 3/8" 54.5# J55 ST&C csg (177.52' T-off) to WB Supply for credit.)

Held safety meeting. Pumped 20 bbls FW spacer. BJ cmt w/450 sks Class C w/2% CaCl<sub>2</sub> (yd 1.35 cuft/sk @ 14.8 PPG). Displaced w/55 bbls FW. Plug down @ 4:15 P.M. MST 01/27/18. Circ 20 sks of cmt to the pit. (Notified Stephanie w/TRRC but did not witness.)

01/29/18

JAN 29-CONT

800' (380'). Operation: Drlg w/motor & MWD. Formation: Salt - Anhy. Dev @ 450' - 0.3°. MW 9.7, Vis 28, pH 7, Cl 130k, Ca 11600, Solids 1.9%, DMC \$1,155, TMC \$2,799. Bit #2, Size 12 1/4", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 380' in 3 hrs. PP 2000#, RPM 70/121, WOB 25k, PR 126.7. (Test BOPE 4, RR 2, Install wear bushing 1/2, RS 1, PU dir tools & test 3 1/2, Trip 5 1/4, Test csg 1/2, Drlg plug, float & cmt 1 3/4, Drlg 3, Surv 1/4, FIT test 1/4, Troubleshoot MWD 1, Replace dir tools & test 1 hrs.) **Remarks:** Day 3. Finished testing BOPE to 5000# high/250# low & Annular to 3500# high/250# low. Tested standpipe & mud lines to the pumps to 5000#. Thaw out frozen air lines. Install wear bushing. RS. PU dir tools & test. TIH. **At 6:45 P.M. MST 01/28/18, tested csg to 1500# for 30 mins, held OK.** Drlg plug, float & cmt. Drlg from 420' to 430'. **FIT test to 10.0 PPG EMW.** Drlg from 430' to 639' w/survey. Troubleshoot MWD. Trip for failed MWD. Replace dir tools & test. TIH. Drlg from 639' to 800'. BHA: Bit, Sniper 0.16 rpg 1.83° mtr, Shock Sub, UBHO, NMDC, Reamer, 3-8" DC's, XO, 19-6" DC's, XO. Total BHA: 765.20'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$55,144. CTDC \$389,367. CTWC \$389,367. AFEC \$6,540,900. (DR-C/EE/LJ)

JAN 30 2018

3100' (2300'). Operation: Drlg w/motor & MWD. Formation: Salt - Anhy. Dev @ 952' - 5.8°, @ 1333' - 7.2°, @ 1715' - 6.7°, @ 2092' - 8.1°, @ 2470' - 7.9°, @ 2846' - 8.0°. MW 10.0, Vis 28, pH 8, Cl 170k, Ca 8800, Solids <1%, DMC \$3,689, TMC \$6,488. Bit #2, Size 12 1/4", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 2680' in 22 3/4 hrs. PP 3000#, RPM 70/121, WOB 30k, PR 116.5. (Drlg 19 3/4, Surv 3 1/4, RS 1 hrs.) **Remarks:** Day 4. Drlg from 800' to 3100' w/surveys & RS. BHA: Bit, Sniper 0.16 rpg 1.83° mtr, Shock Sub, UBHO, NMDC, Reamer, 3-8" DC's, XO, 21-6" DC's, XO. Total BHA: 827.62'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$48,325. CTDC \$437,692. CTWC \$437,692. AFEC \$6,540,900. (DR-C/EE/SH)

JAN 31 2018

3850' (750'). Operation: Drlg w/motor & MWD. Formation: Salt - Anhy. Dev @ 3222' - 7.9°, @ 3599' - 6.2°. MW 10.1, Vis 28, pH 8, Cl 185k, Ca 11200, Solids <1%, DMC \$817, TMC \$7,305. Bit #2, Size 12 1/4", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 3430' in 44 1/4 hrs. PP 3500#, RPM 70/121, WOB 40k, PR 34.9. (Drlg 21 1/2, Surv 1, RR 1/2, RS 1 hrs.) **Remarks:** Day 5. Drlg from 3100' to 3383' w/survey. Repair pumps. Drlg from 3383' to 3850' w/surveys & RS. BHA: Bit, Sniper 0.16 rpg 1.83° mtr, Shock Sub, UBHO, NMDC, Reamer, 3-8" DC's, XO, 21-6" DC's, XO. Total BHA: 827.62'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$45,196. CTDC \$482,888. CTWC \$482,888. AFEC \$6,540,900. (DR-C/EE/SH)

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FEB 01 2018 5115' (1265'). Operation: Drlg w/motor & MWD. Formation: Salt - Anhy. Dev @ 3974' - 3.7°, @ 4348' - 4.2°, @ 4723' - 5.3°. MW 10.4, Vis 28, pH 7, Cl 165k, Ca 12000, Solids 4.7%, DMC \$1,208, TMC \$8,513. Bit #2, Size 12 1/4", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 4695' in 66 1/2 hrs. PP 2050#, RPM 70/74, WOB 40k, PR 56.9. (Drlg 22 1/4, Surv 1 3/4 hrs.) **Remarks:** Day 6. Drlg from 3850' to 5115' w/surveys. BHA: Bit, Sniper 0.16 rpg 1.83° mtr, Shock Sub, UBHO, NMDC, Reamer, 3-8" DC's, XO, 21-6" DC's, XO. Total BHA: 827.62'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$45,326. CTDC \$528,214. CTWC \$528,214. AFEC \$6,540,900. (DR-C/EE/SH)

FEB 02 2018 5125' (10'). Operation: WOC - LD landing tool. Formation: Lime. MW 10.4, Vis 28, pH 7, Cl 145k, Ca 11600, Solids 4.7%, DMC \$82, TMC \$8,595. Bit #2, Size 12 1/4", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Out @ 5125', Made 4705' in 66 3/4 hrs. PP 3000#, RPM 70/74, WOB 40k, PR 40.0. (Drlg 1/4, Circ 3/4, Trip 6, LD dir tools 1 1/2, Pull wear bushing 1/2, Run csg 8 1/2, RS 1/2, Circ 1, Cmt 3, WOC 2 hrs.) **Remarks:** Day 7. Drlg from 5115' to 5125'. Circ sweep. TOOH. LD dir tools. Pull wear bushing. Held safety meeting. RU Bull Rogers & run 9 5/8" csg. **Set Cameron mandrel hanger through BOP w/150k#.** Circ csg capacity. RU Par Five & cmt. WOC. LD landing tool. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$244,008. CTDC \$772,222. CTWC \$772,222. AFEC \$6,540,900. (JA-C/RR/SH)

FEB 02-CONT

1	Weatherford Float Shoe	1.75'
1	9 5/8" 40# N80 LT&C Csg	45.26'
1	Weatherford Float Collar	1.50'
113	9 5/8" 40# N80 LT&C Csg	5026.20'
1	9 5/8" 40# N80 LT&C Csg Pup Jt	4.95'
1	9 5/8" Landing Tool	<u>34.04'</u>
	Total	5113.70'
	Less above KB	<u>4.70'</u>
	Csg set @	5109.00'

(Note: Received 119 jts of 9 5/8" 40# N80 LT&C csg (5289.65' T-off) from WB Supply - Manufactured by Tenaris. Returned 5 jts of 9 5/8" 40# N80 LT&C csg (218.19' T-off) to WB Supply for credit.)

Held safety meeting. Pumped 20 bbls FW spacer. Par Five cmt w/1000 sks Lite Class C (50:50:10) w/5% Salt, 3#/sk Kolseal, 0.4#/sk Defoamer & 1/8#/sk Cello Flake (yd @ 2.47 cuft/sk @ 11.9 PPG). Tail w/200 sks Class C w/0.2% Retarder (yd @ 1.32 cuft/sk @ 14.8 PPG). Displaced w/384 bbls FW. Plug down @ 4:00 A.M. MST 02/02/18. Circ 338 sks of cmt to the pit. (Notified Brenda w/TRRC but did not witness.)

FEB 05 2018

02/03/18  
5200' (75'). Operation: Drlg w/motor & MWD. Formation: Sand - Lime. Dev @ 5060' - 5.4°. MW 9.1, Vis 28, pH 7, Cl 50k, Ca 3200, Solids 1.6%, DMC \$0, TMC \$8,595. Bit #3, Size 8 3/4", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 75' in 1 3/4 hrs. (WOC 6, Trip 4 1/2, Cut drlg line 2, Test csg 1/2, RR 7 1/2, Drlg plug, float & cmt 1 1/4, Drlg 1 3/4, Surv 1/4, FIT test 1/4 hrs.) **Remarks:** Day 8. Set & tested pack-off to 5000#. Install wear bushing. PU dir tools & test. TIH. **At 6:30 P.M. MST 02/02/18, tested csg to 1500# for 30 mins, held OK.** Repair gas separator. Drlg plug, float & cmt. Drlg from 5125' to 5135'. **FIT test to 9.7 PPG EMW.** Drlg from 5135' to 5200' w/survey. BHA: Bit, QES 0.25 rpg 1.75° adj mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1767.54'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$43,947. CTDC \$816,169. CTWC \$816,169. AFEC \$6,540,900. (JA-C/RR/SH)

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	<p><u>02/04/18</u>  7060' (1860'). Operation: Drlg w/motor &amp; MWD. Formation: Sand - Lime. Dev @ 5561' - 4.0°, @ 5938' - 4.1°, @ 6312' - 4.6°, @ 6688' - 4.4°. MW 9.1, Vis 28, pH 10, Cl 65k, Ca 12000, Solids 1.7%, DMC \$4,148, TMC \$12,743. Bit #3, Size 8 ¾", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 1935' in 17 ¼ hrs. (Drlg 15 ½, Surv 2 ½, RS 1, Replace swivel packing 2, RR 3 hrs.) <b>Remarks:</b> Day 9. Drlg from 5200' to 7022' w/surveys &amp; RS. Replace swivel packing. Drlg from 7022 to 7060'. BHA: Bit, QES 0.25 rpg 1.75° adj mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1767.54'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$46,315. CTDC \$862,484. CTWC \$862,484. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 05-CONT	<p><u>02/05/18</u>  8370' (1310'). Operation: Drlg w/motor &amp; MWD. Formation: Sand - Lime. Dev @ 7062' - 4.9°, @ 7439' - 5.2°, @ 7819' - 4.0°, @ 8199' - 3.3°. MW 8.9, Vis 28, pH 7, Cl 60k, Ca 16000, Solids &lt;1%, DMC \$1,081, TMC \$13,824. Bit #3, Size 8 ¾", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 3245' in 38 ½ hrs. (Drlg 21 ¼, Surv 1 ¾, RS 1 hrs.) <b>Remarks:</b> Day 10. Drlg from 7060' to 8370' w/surveys &amp; RS. BHA: Bit, QES 0.25 rpg 1.75° adj mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1767.54'. Well started flowing @ 7600'. Gaining 21 BPH. EDCC \$0. CTCC \$0. EDDC \$44,860. CTDC \$907,344. CTWC \$907,344. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 06 2018	<p>9103' (733'). Operation: LD dir tools. Formation: Sand - Lime - Chert. Dev @ 8579' - 5.1°, @ 8959' - 3.7°. MW 8.9, Vis 28, pH 7, Cl 60k, Ca 12800, Solids &lt;1%, DMC \$4,124, TMC \$17,948. Bit #3, Size 8 ¾", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 3978' in 55 hrs. PP 3450#, RPM 70/115, WOB 40k, PR 44.4. (Drlg 16 ½, Surv 1 ¼, RS ¾, Trip 4 ½, LD dir tools 1 hrs.) <b>Remarks:</b> Day 11. Drlg from 8370' to 9103' w/surveys &amp; RS. TOO H to PU tricone for chert. LD dir tools. BHA: Bit, QES 0.25 rpg 1.75° adj mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1767.54'. Gaining 70 BPH. EDCC \$0. CTCC \$0. EDDC \$48,741. CTDC \$956,085. CTWC \$956,085. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 07 2018	<p>9435' (332'). Operation: Drlg. Formation: Sand - Lime - Chert. MW 9.0, Vis 28, pH 8, Cl 61k, Ca 14000, Solids &lt;1%, DMC \$113, TMC \$18,061. Bit #3, Size 8 ¾", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Out @ 9103', Made 3978' in 55 hrs. Bit #4, Size 8 ¾", Make STC, Type FH47HY, SN RJ5544, Jets 3-18's, In @ 9103', Made 332' in 12 hrs. PP 1800#, RPM 60, WOB 50k, PR 27.7. (LD dir tools ½, Trip 9, WO ASI 2, Circ ½, Drlg 12 hrs.) <b>Remarks:</b> Day 12. LD dir tools. TIH to 4966'. H<sub>2</sub>S alarm went active. WO 3<sup>rd</sup> party safety rep. Cleared alarm w/max H<sub>2</sub>S @ 15 PPM. TIH. Circ btms up w/no H<sub>2</sub>S detected. Drlg from 9103' to 9435'. BHA: Bit, Bit sub, 1-6" DC, Reamer, 20-6" DC's, XO, 33-5" DP, XO. Total BHA: 1710.69'. Gaining 25 BPH. EDCC \$0. CTCC \$0. EDDC \$53,531. CTDC \$1,009,616. CTWC \$1,009,616. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 08 2018	<p>9827' (392'). Operation: TOO H to PU dir tools. Formation: Sand - Lime. MW 9.5, Vis 26, pH 7, Cl 65k, Ca 19200, Solids 2.1%, DMC \$113, TMC \$18,174. Bit #4, Size 8 ¾", Make STC, Type FH47HY, SN RJ5544, Jets 3-18's, In @ 9103', Made 724' in 33 ¼ hrs. PP 1800#, RPM 60, WOB 50k, PR 18.4. (Drlg 21 ¼, Trip 2 ¾ hrs.) <b>Remarks:</b> Day 13. Drlg from 9435' to 9827'. TOO H. BHA: Bit, Bit sub, 1-6" DC, Reamer, 20-6" DC's, XO, 33-5" DP, XO. Total BHA: 1710.69'. Gaining 25 BPH. EDCC \$0. CTCC \$0. EDDC \$43,710. CTDC \$1,053,326. CTWC \$1,053,326. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 09 2018	<p>10079' (252'). Operation: Drlg w/motor &amp; MWD. Formation: Sand - Lime. Dev @ 9804' - 0.7°. MW 9.6, Vis 32, pH 7, Cl 125k, Ca 20000, Solids 1.2%, DMC \$113, TMC \$18,287. Bit #4, Size 8 ¾", Make STC, Type FH47HY, SN RJ5544, Jets 3-18's, In @ 9103', Out @ 9827',</p>

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	<p>Made 724' in 33 ¼ hrs. Bit #5, Size 8 ¾", Make Ulterra, Type U716M (PDC), SN 38553, Jets 7-16's, In @ 9827', Made 252' in 7 ½ hrs. PP 3900#, RPM 70/175, WOB 30k, PR 33.6. (Drlg 7 ½, Surv 1, Trip 12, WO tools 1, PU dir tools &amp; test 1 ½ hrs.) <b>Remarks:</b> Day 14. TOOH. RS. WO roller reamer. PU dir tools &amp; test. TIH. Drlg from 9827' to 10079' w/surveys. BHA: Bit, QES 0.29 rpg 1.75° mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1769.06'. Gaining 21 BPH. EDCC \$0. CTCC \$0. EDDC \$42,902. CTDC \$1,096,228. CTWC \$1,096,228. AFEC \$6,540,900. (EE/WRM/RD-C/SH)</p>
FEB 12 2018	<p><u>02/10/18</u>  10735' (656'). Operation: Drlg w/motor &amp; MWD. Formation: Sand - Lime. Dev @ 10180' - 4.3°, @ 10555' - 7.2°. MW 9.6, Vis 29, pH 11, Cl 105k, Ca 24000, Solids 2.6%, DMC \$157, TMC \$18,444. Bit #5, Size 8 ¾", Make Ulterra, Type U716M (PDC), SN 38553, Jets 7-16's, In @ 9827', Made 908' in 25 ¾ hrs. PP 4025#, RPM 70/175, WOB 30k, PR 35.9. (Drlg 18 ¼, Surv 1, Circ H<sub>2</sub>S 3 ¼, RS 1, RR ½ hrs.) <b>Remarks:</b> Day 15. Drlg from 10079' to 10222' w/surveys. Circ out H<sub>2</sub>S &amp; add scavenger. Max concentration @ 200 PPM. Drlg from 10222' to 10326' w/RS. Repair top drive. Drlg from 10326' to 10735' w/surveys. BHA: Bit, QES 0.29 rpg 1.75° mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1769.06'. No fluid lost or gained @ report time. EDCC \$0. CTCC \$0. EDDC \$47,779. CTDC \$1,144,007. CTWC \$1,144,007. AFEC \$6,540,900. (EE/WRM/RD-C/LJ)</p>
FEB 12-CONT	<p><u>02/11/18</u>  11548' (813'). Operation: TOOH to PU curve assy. Formation: Sand - Lime. Dev @ 11118' - 5.1°, @ 11493' - 2.5°. MW 9.7, Vis 29, pH 10, Cl 107k, Ca 26000, Solids 2.6%, DMC \$8,692, TMC \$27,136. Bit #5, Size 8 ¾", Make Ulterra, Type U716M (PDC), SN 38553, Jets 7-16's, In @ 9827', Made 1721' in 43 ½ hrs. PP 3700#, RPM 70/158, WOB 30k, PR 45.8. (Drlg 17 ¾, Surv 1 ¼, RS 1, Circ 1, Trip 3 hrs.) <b>Remarks:</b> Day 15. Drlg from 10735' to 11548' w/surveys &amp; RS. Circ sweep. TOOH. BHA: Bit, QES 0.29 rpg 1.75° mtr, Reamer, UBHO, NMDC, 21-6" DC's, XO, 33-5" DP, XO. Total BHA: 1769.06'. Flowing 75 BPH. EDCC \$0. CTCC \$0. EDDC \$53,247. CTDC \$1,197,254. CTWC \$1,197,254. AFEC \$6,540,900. (EE/WRM/RD-C/LJ)</p> <p><u>02/12/18</u>  11631' MD (83'). Operation: Drlg w/motor &amp; MWD. Formation: 10% Sand - 30% Lime - 60% Shale. MW 9.6, Vis 26, pH 9, Cl 106k, Ca 25k, Solids 2.5%, DMC \$3,685, TMC \$30,821. Bit #5, Size 8 ¾", Make Ulterra, Type U716M (PDC), SN 38553, Jets 7-16's, In @ 9827', Out @ 11548', Made 1721' in 43 ½ hrs. Bit #6, Size 8 ¾", Make HTC, Type KM624 (PDC/bicone), SN 5274654, Jets 4-18's, In @ 11548', Made 83' in 5 ¾ hrs. PP 3700#, RPM 0/158, WOB 33k, PR 14.4. (Trip 11, Replace dir tools &amp; test 2 ½, Cut drlg line 2, RS ½, Drlg 5 ¾ (Rot 0 &amp; Slide 5 ¾), Surv ¼, SWI for H<sub>2</sub>S ¼, Circ 1 ¾ hrs.) <b>Remarks:</b> Day 17. TOOH. Replace dir tools &amp; test. TIH. Cut drlg line. RS. TIH. Drlg from 11548' to 11560' MD. SWI for H<sub>2</sub>S alarm. Circ out H<sub>2</sub>S gas &amp; add scavenger. Max H<sub>2</sub>S concentration 200 PPM. Drlg from 11560' to 11631' MD. BHA: Bit, QES 0.29 rpg 2.25° fixed mtr, UBHO, Slick NMDC, Flex NMDC, XO, 33-5" DP, XO, 15-6" DC's, Jars, 6-6" DC's, XO. Total BHA: 1820.70'. Gaining 55 BPH. BG 450 units. TG 2325 units. EDCC \$0. CTCC \$0. EDDC \$72,979. CTDC \$1,270,233. CTWC \$1,270,233. AFEC \$6,540,900. (RD-C/WRM/EE/LJ)</p> <p style="text-align: center;"><b>11550' MD (11502.8' TVD) 2.5° Inc @ 131.8° Azm</b></p>
FEB 13 2018	<p>12130' MD (499'). Operation: LD 6" DC's &amp; 5" DP. Formation: 100% Shale. MW 9.6, Vis 26, pH 9, Cl 106k, Ca 25k, Solids 2.5%, DMC \$2,800, TMC \$33,621. Bit #6, Size 8 ¾", Make HTC, Type KM624 (PDC/bicone), SN 5274654, Jets 4-18's, In @ 11548', Made 582' in 16 ¼ hrs. PP 3200#, RPM 30/158, WOB 50k, PR 47.5. (Drlg 10 ½ (Rot ¾ &amp; Slide 9 ¾), Surv 4 ¼, Circ 1 ¼, Trip 6, LD DC's &amp; DP 2 hrs.) <b>Remarks:</b> Day 18. Drlg from 11631' to 12130' MD w/surveys. Circ sweep. TOOH. LD 6" DC's &amp; 5" DP. BHA: Bit, QES 0.29 rpg 2.25° fixed</p>

**MEWBOURNE OIL COMPANY**  
**500 WEST TEXAS, SUITE 1020**  
**MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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	<p>mtr, UBHO, Slick NMDC, Flex NMDC, XO, 33-5" DP, XO, 15-6" DC's, Jars, 6-6" DC's, XO. Total BHA: 1820.70'. Gaining 25 BPH. BG 975 units. BG 1000 units. EDCC \$0. CTCC \$0. EDDC \$51,428. CTDC \$1,321,661. CTWC \$1,321,661. AFEC \$6,540,900. (RD-C/WRM/EE/SH)</p> <p style="text-align: center;"> <b>11581' MD (11533.8' TVD) 2.5° Inc @ 98.0° Azm</b>  <b>11613' MD (11565.8' TVD) 2.7° Inc @ 35.5° Azm</b>  <b>11644' MD (11596.7' TVD) 5.9° Inc @ 358.5° Azm</b>  <b>11675' MD (11627.3' TVD) 10.5° Inc @ 350.5° Azm</b>  <b>11706' MD (11657.6' TVD) 13.8° Inc @ 352.7° Azm</b>  <b>11737' MD (11687.5' TVD) 17.1° Inc @ 350.8° Azm</b>  <b>11769' MD (11717.8' TVD) 20.9° Inc @ 348.4° Azm</b>  <b>11800' MD (11746.4' TVD) 24.5° Inc @ 347.5° Azm</b>  <b>11832' MD (11775.1' TVD) 28.1° Inc @ 347.3° Azm</b>  <b>11863' MD (11801.9' TVD) 31.9° Inc @ 349.2° Azm</b>  <b>11895' MD (11828.5' TVD) 35.6° Inc @ 351.0° Azm</b>  <b>11926' MD (11853.0' TVD) 39.7° Inc @ 351.2° Azm</b>  <b>11958' MD (11876.8' TVD) 44.4° Inc @ 351.5° Azm</b>  <b>11989' MD (11898.2' TVD) 48.0° Inc @ 351.9° Azm</b>  <b>12020' MD (11918.4' TVD) 50.9° Inc @ 353.4° Azm</b>  <b>12052' MD (11937.5' TVD) 55.6° Inc @ 354.0° Azm</b>  <b>12080' MD (11952.7' TVD) 58.7° Inc @ 354.1° Azm</b>  <b>Projected to the bit @</b>  <b>12130' MD (11977.6' TVD) 61.7° Inc @ 354.1° Azm</b> </p>																								
FEB 13-CONT																									
FEB 14 2018	<p>12130' MD (0'). Operation: Work stuck 7" csg @ 12086' MD. Formation: Shale. MW 9.6, Vis 26, pH 9, Cl 106k, Ca 25k, Solids 2.5%, DMC \$5,443, TMC \$39,064. (LD DC's &amp; DP 2 ½, LD dir tools 1, Pull wear bushing ½, Run csg 17, Work stuck csg 3 hrs.) <b>Remarks:</b> Day 19. LD 6" DC's &amp; 5" DP. Pull wear bushing. Held safety meeting. RU Butch's &amp; run 7" csg w/torque turn to 12086' MD. Work stuck 7" csg @ 12086' MD. Gaining 20 BPH. EDCC \$0. CTCC \$0. EDDC \$63,880. CTDC \$1,385,541. CTWC \$1,385,541. AFEC \$6,540,900. (RD-C/WRM/EE/SH)</p>																								
FEB 15 2018	<p>12130' MD (0'). Operation: TIH w/lateral assy. Formation: Shale. MW 14.5, Vis 90, HTHP 9, PV 35, YP 20, Gels 16/17, FC 2/32", Cl 26k, Adj solids 6.5%, Oil 65%, ES 450, DMC \$114, TMC \$39,178. Bit #7, Size 6 ½", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Made 0' in 0 hrs. PP 500#. (Wash csg 2, Circ 1, Cmt 3 ¼, WOC 8, Trip 9 ¾ hrs.) <b>Remarks:</b> Day 20. Work 7" csg free &amp; wash from 12086' to 12116' MD. <b>Set Cameron mandrel hanger through BOP w/255k#.</b> RU Par Five &amp; cmt. WOC. LD landing tool. Set &amp; test pack-off to 5000#. PU dir tools &amp; test. TIH. BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. EDCC \$0. CTCC \$0. EDDC \$523,686. CTDC \$1,909,227. CTWC \$1,909,227. AFEC \$6,540,900. (RD-C/WRM/EE/SH)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: right;">1</td> <td style="width: 85%;">Weatherford Float Shoe</td> <td style="width: 10%; text-align: right;">1.49'</td> </tr> <tr> <td style="text-align: right;">1</td> <td>7" 29# HCP110 LT&amp;C Csg</td> <td style="text-align: right;">44.36'</td> </tr> <tr> <td style="text-align: right;">1</td> <td>Weatherford Float Collar</td> <td style="text-align: right;">1.21'</td> </tr> <tr> <td style="text-align: right;">70</td> <td>7" 29# HCP110 LT&amp;C Csg</td> <td style="text-align: right;">3120.21'</td> </tr> <tr> <td style="text-align: right;">90</td> <td>7" 29# HCP110 LT&amp;C Bond Coated Csg</td> <td style="text-align: right;">3985.64'</td> </tr> <tr> <td style="text-align: right;">1</td> <td>Weatherford ECP set @ <b>4958'</b></td> <td style="text-align: right;">24.66'</td> </tr> <tr> <td style="text-align: right;">111</td> <td>7" 29# HCP110 LT&amp;C Csg</td> <td style="text-align: right;">4905.27'</td> </tr> <tr> <td style="text-align: right;">1</td> <td>7" 29# HCP110 LT&amp;C Csg Pup Jt</td> <td style="text-align: right;">5.01'</td> </tr> </table>	1	Weatherford Float Shoe	1.49'	1	7" 29# HCP110 LT&C Csg	44.36'	1	Weatherford Float Collar	1.21'	70	7" 29# HCP110 LT&C Csg	3120.21'	90	7" 29# HCP110 LT&C Bond Coated Csg	3985.64'	1	Weatherford ECP set @ <b>4958'</b>	24.66'	111	7" 29# HCP110 LT&C Csg	4905.27'	1	7" 29# HCP110 LT&C Csg Pup Jt	5.01'
1	Weatherford Float Shoe	1.49'																							
1	7" 29# HCP110 LT&C Csg	44.36'																							
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**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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**DAILY REPORTS**

	1	7" Landing Tool	32.80'
		Total	12120.65'
		Less above KB	4.65'
		Csg set @	12116.00'
	<p>(Note: Received 205 jts of 7" 29# HCP110 LT&amp;C csg (9090.31' T-off) &amp; 90 jts of 7" 29# HCP110 LT&amp;C Bond Coated csg (3985.64' T-off) from WB Supply - Manufactured by USS. Returned 23 jts of 7" 29# HCP110 LT&amp;C csg (1020.47' T-off) to WB Supply for credit.)</p>		
FEB 15-CONT	<p>Held safety meeting. Pump 20 bbls FW spacer. Par Five cmt w/200 sks PVL Class C w/1.3% Salt, 0.5% Fluid Loss, 3#/sk Kolseal, 0.4#/sk Defoamer, 35% Enhancer, 14% Glass beads, 6% Gel &amp; 1% Retarder (yd @ 3.99 cuft/sk @ 10.2 PPG). Followed by 175 sks Lite Class H (50:50:10) w/5% Salt, 0.2% Retarder, 0.2% ASA, 3#/sk Kolseal, 0.4#/sk Defoamer &amp; 1/8#/sk Cellophane (yd @ 2.47 cuft/sk @ 11.9 PPG). Tail w/400 sks Class H w/0.2% Retarder &amp; 0.3% Fluid loss (yd @ 1.18 cuft/sk @ 15.6 PPG). Displaced w/448 bbls OBM. Plug down @ 12:15 P.M. MST 02/14/18. Did not circ cmt. Lift pressure 209# @ 3 BPM. (Notified Sam w/TRRC but did not witness.) <b>Set ECP &amp; tested csg to 4500# for 5 min.</b></p>		
FEB 16 2018	<p>12725' MD (595'). Operation: Drlg w/motor &amp; MWD. Formation: 100% Shale. MW 14.1, Vis 85, HTHP 10, PV 22, YP 16, Gels 15/19, FC 2/32", Cl 33k, Adj solids 4.9%, Oil 64%, ES 275, DMC \$113, TMC \$39,291. Bit #7, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Made 595' in 17 1/2 hrs. PP 5100#, RPM 0/129, WOB 30k, PR 34.0. (Test csg 1/2, Drlg plug, float &amp; cmt 2, Drlg 17 1/2 (Rot 11 3/4 &amp; Slide 5 3/4), Surv 3 3/4, FIT test 1/4 hrs.) <b>Remarks: Day 21. At 6:00 A.M. MST 02/15/18, tested csg to 1500# for 30 mins, held OK.</b> Drlg plug, float &amp; cmt. Drlg from 12130' to 12140' MD. <b>FIT test to 14.5 PPG EMW.</b> Drlg from 12140' to 12725' MD w/surveys. <b>Last survey @ 12638' MD (12114.8' TVD) 76.7° Inc @ 356.1° Azm.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 275 units. CG 425 units. TG 1600 units. EDCC \$0. CTCC \$0. EDDC \$40,461. CTDC \$1,949,688. CTWC \$1,949,688. AFEC \$6,540,900. (JA-C/RR/SH)</p>		
FEB 19 2018	<p><u>02/17/18</u>            13400' MD (675'). Operation: Drlg w/motor &amp; MWD. Formation: 100% Shale. MW 14.1, Vis 88, HTHP 10, PV 51, YP 18, Gels 24/27, FC 2/32", Cl 38k, Adj solids 9.3%, Oil 65%, ES 286, DMC \$4,166, TMC \$43,457. Bit #7, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Made 1270' in 34 hrs. PP 5100#, RPM 60/129, WOB 30k, PR 40.9. (Drlg 16 1/2 (Rot 2 1/2 &amp; Slide 14), Surv 3 1/2, RS 1, RR 2 1/4, Troubleshoot MWD 3/4 hrs.) <b>Remarks: Day 22.</b> Drlg from 12725' to 13210' MD w/surveys &amp; RS. Repair pumps. Drlg from 13210' to 13285' MD. Troubleshoot MWD. Drlg from 13285' to 13400' MD w/surveys. <b>Last survey @ 13325' MD (12125.7' TVD) 87.3° Inc @ 341.3° Azm. Total lateral open hole @ 1284' of 4752'.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 425 units. CG 575 units. EDCC \$0. CTCC \$0. EDDC \$54,382. CTDC \$2,004,070. CTWC \$2,004,070. AFEC \$6,540,900. (JA-C/RR/SH)</p>		
	<p><u>02/18/18</u>            14450' MD (1050'). Operation: Drlg w/motor &amp; MWD. Formation: 100% Shale. MW 14.0, Vis 83, HTHP 3, PV 57, YP 17, Gels 23/26, FC 2/32", Cl 61k, Adj solids 9.0%, Oil 63%, ES 266, DMC \$7,450, TMC \$50,907. Bit #7, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Made 2320' in 52 1/2 hrs. PP 5100#, RPM 60/129, WOB 30k, PR 56.8. (Drlg 18 1/2 (Rot 14 1/2 &amp; Slide 4), Surv 2 3/4, RS 1, RR 1, Troubleshoot MWD 3/4 hrs.) <b>Remarks: Day 23.</b> Drlg from 13400' to 13847' MD w/surveys &amp; RS. Repair pumps. Drlg from 13847' to 14222' MD w/surveys. Troubleshoot MWD. Drlg from 14222' to 14450' MD</p>		

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwNShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
**Filename** \_\_\_\_\_ **Page** 8  
**API #42-495-33990**

**DATE**

**DAILY REPORTS**

	<p>w/surveys. <b>Last survey @ 14353' MD (12117.7' TVD) 88.2° Inc @ 341.1° Azm. Total lateral open hole @ 2334' of 4752'.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 425 units. CG 1075 units. EDCC \$0. CTCC \$0. EDDC \$64,059. CTDC \$2,068,129. CTWC \$2,068,129. AFEC \$6,540,900. (JA-C/RR/SH)  <u>02/19/18</u>  15539' MD (1089'). Operation: TOOHP for bit &amp; motor. Formation: 100% Shale. MW 14.0, Vis 73, HTHP 2, PV 34, YP 12, Gels 14/16, FC 2/32", Cl 60k, Adj solids 7.3%, Oil 70%, ES 339, DMC \$22,151, TMC \$73,058. Bit #7, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Made 3409' in 69 1/4 hrs. PP 5100#, RPM 60/129, WOB 30k, PR 65.0. (Drlg 16 3/4 (Rot 14 1/4 &amp; Slide 2 1/2), Surv 3, RS 1/2, Trip 3 3/4 hrs.) <b>Remarks:</b> Day 24. Drlg from 14450' to 15539' MD w/surveys &amp; RS. TOOHP. <b>Last survey @ 15479' MD (12127.9' TVD) 88.6° Inc @ 342.4° Azm. Total lateral open hole @ 3423' of 4752'.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 725 units. CG 1750 units. EDCC \$0. CTCC \$0. EDDC \$76,356. CTDC \$2,144,485. CTWC \$2,144,485. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 19-CONT	
FEB 20 2018	<p>15850' MD (311'). Operation: Drlg w/motor &amp; MWD. Formation: 100% Shale. MW 14.0, Vis 89, HTHP 11, PV 39, YP 11, Gels 16/18, FC 2/32", Cl 52k, Adj solids 8.3%, Oil 70%, ES 317, DMC \$13,658, TMC \$86,716. Bit #7, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 37576, Jets 5-18's, In @ 12130', Out @ 15539', Made 3409' in 69 1/4 hrs. Bit #8, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 39067, Jets 5-18's, In @ 15539', Made 311' in 7 1/2 hrs. PP 5350#, RPM 60/129, WOB 30k, PR 41.5. (Trip 13 1/2, Replace dir tools &amp; test 2, Drlg 7 1/2 (Rot 5 3/4 &amp; Slide 1 3/4), Surv 1/2, Troubleshoot MWD 1/2 hrs.) <b>Remarks:</b> Day 25. TOOHP. Replace dir tools &amp; test. TIH. Drlg from 15539' to 15725' MD w/survey. Troubleshoot MWD. Drlg from 15725' to 15850' MD w/survey. <b>Last survey @ 15667' MD (12130.6' TVD) 90.8° Inc @ 345.9° Azm. Total lateral open hole @ 3734' of 4752'.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 725 units. CG 850 units. TG 2500 units. EDCC \$0. CTCC \$0. EDDC \$79,308. CTDC \$2,223,793. CTWC \$2,223,793. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 21 2018	<p>16970' MD (1120'). Operation: Short trip. Formation: 100% Shale. MW 14.2, Vis 84, HTHP 11, PV 41, YP 13, Gels 19/21, FC 2/32", Cl 53k, Adj solids 8.0%, Oil 69%, ES 301, DMC \$901, TMC \$87,617. Bit #8, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 39067, Jets 5-18's, In @ 15539', Made 1431' in 23 hrs. PP 4750#, RPM 60/122, WOB 30k, PR 72.3. (Drlg 15 1/2 (Rot 14 &amp; Slide 1 1/2), Surv 3 1/2, RS 3/4, Circ 2, Trip 2 1/4 hrs.) <b>Remarks:</b> Day 26. Drlg from 15850' to 16970' MD w/surveys &amp; RS. <b>TD well @ 1:45 A.M. MST 02/21/18.</b> Circ sweep. Short trip. <b>Last survey @ 16915' MD (12147.9' TVD) 87.5° Inc @ 342.4° Azm. Projected to the bit @ 16970' MD (12150.3' TVD) 87.5° Inc @ 342.4° Azm. Total lateral open hole @ 4854'.</b> BHA: Bit, Baker 0.49 rpg 2.1° mtr, UBHO, 2-NMDC, XO, 3-4" DP, Reamer, 60-4" DP, Agitator. Total BHA: 2107.44'. No fluid lost or gained. BG 325 units. CG 1000 units. EDCC \$0. CTCC \$0. EDDC \$50,426. CTDC \$2,274,219. CTWC \$2,274,219. AFEC \$6,540,900. (JA-C/RR/SH)</p>
FEB 22 2018	<p>16970' MD (0'). Operation: RR - WO new float equipment. Formation: Shale. MW 14.2, Vis 84, HTHP 10, PV 48, YP 14, Gels 17/18, FC 2/32", Cl 48k, Adj solids 9.5%, Oil 70%, ES 255, DMC \$12,098, TMC \$99,715. Bit #8, Size 6 1/8", Make Ulterra, Type U513M (PDC), SN 39067, Jets 5-18's, In @ 15539', Out @ 16970', Made 1431' in 23 hrs. PP 4750#. (Trip 12 1/2, Circ 2 1/2, LD dir tools 1 3/4, Pull wear bushing 1, RS 1/2, Run liner 1 1/2, RR 4 1/4 hrs.) <b>Remarks:</b> Day 27. Short trip to 12116' MD w/no drag. TIH to 16970' MD w/no drag or fill. Circ. TOOHP. LD dir tools. Pull wear bushing. Held safety meeting. RU Butch's to run 4 1/2"</p>

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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liner w/torque turn. Driller stacked out on csg while going through BOP & bent 1 jt of csg & broke float shoe. WO new float shoe & float collar. No fluid lost or gained. TG 2000 units. EDCC \$9,330. CTCC \$9,330. EDDC \$47,999. CTDC \$2,322,218. CTWC \$2,331,548. AFEC \$6,540,900. (JA-C/RR/SH)

FEB 23 2018 16970' MD (0'). Operation: Cmtng 4 ½" liner. Formation: Shale. MW 14.2, Vis 84, HTHP 10, PV 48, YP 14, Gels 10/18, FC 2/32", CI 49k, Adj solids 9.6%, Oil 72%, ES 312, DMC \$1,493, TMC \$101,208. (RR 2, Run liner 14 ¾, Circ 5 ¾, Set liner hanger ½, Cmt 1 hrs.) **Remarks:** Day 28. WO new float shoe & float collar. Run 4 ½" liner w/torque turn. Circ liner. Set/test liner hanger. Circ. RU Par Five & cmt. No fluid lost or gained. EDCC \$121,231. CTCC \$130,561. EDDC \$61,912. CTDC \$2,384,130. CTWC \$2,514,691. AFEC \$6,540,900. (RD-C/WRM/SH)

	1	Weatherford Float Shoe	1.50'
	1	Weatherford Float Collar	1.33'
FEB 23-CONT	1	4 ½" 13.5# HCP110 LT&C Csg Pup Jt	10.11'
	1	Weatherford Landing Collar	1.90'
	120	4 ½" 13.5# HCP110 LT&C Csg	5327.09'
	1	Weatherford Liner Hanger Assy set @ 11611'	<u>27.20'</u>
		Total	5369.13'
		Top of liner @ (MD)	<u>11594.87'</u>
		End of liner set @ (MD)	16964.00'

(Note: Received 129 jts of 4 ½" 13.5# HCP110 LT&C csg (5727.23 T-off) & 1 pup jt (10.11' T-off) from WB Supply - Manufactured by USS. Returned 9 jts of 4 ½" 13.5# HCP110 LT&C csg (400.14' T-off) to WB Supply for credit.)

FEB 26 2018 02/24/18  
16970' MD (0'). Operation: ND BOPE. Formation: Shale. TMC \$101,208. (Cmt 1 ½, LD DP 20 ½, RS 1, ND BOPE 1 hrs.) **Remarks:** Day 29. Cmt liner w/Par Five. Set/test liner hanger packer. Displace 7" csg. Test top of liner. LD 4" DP. RS. Held safety meeting. ND BOPE w/Man Welding. No fluid lost or gained. EDCC \$94,518. CTCC \$225,079. EDDC \$13,822. CTDC \$2,397,952. CTWC \$2,623,031. AFEC \$6,540,900. (RD-C/WRM/LJ)

Held safety meeting. Drop 1 ½" ball & set liner hanger w/2800#. Pushed w/55k# to test liner hanger. Blew ball seat @ 3900#. Pumped 20 bbls spacer. Par Five cmt w/325 sks Lite Class H (50:50:10) w/5% Salt, 0.4#/sk Defoamer, ¼#/sk Cellophane, 0.5% Extender, 0.4% Retarder, 0.1% ASA & 3#/sk Kolseal (yd @ 2.48 cuft/sk @ 11.9 PPG). Released dart. Displaced w/206 bbls FW. Plug down @ 7:15 A.M. MST 02/23/18. Bump plug w/4410#. Set packer w/40k#. Released from liner. Displace 7" csg w/300 bbls FW. Circ 93 sks of cmt off of liner top to the pit. **At 8:45 A.M. MST 02/23/18, tested liner to 1500# for 30 min, held OK.** (Notified Stephanie w/TRRC but did not witness.)

02/25/18  
16970' MD (0'). Operation: Rig released to move. Formation: Shale. TMC \$101,208. (ND BOPE 4, Install tbg spool 2 ½, RD 17 ½ hrs.) **Remarks:** Day 30. ND BOPE. NU Cameron 13 ⅝" 5k# x 7 1/16" 10k# tbg spool w/capping flange. Tested tbg spool pack-off to 5000#. **Rig released to move @ 12:30 P.M. MST 02/24/18.** RD. Start MO Patterson/UTI #243 to Kentzel St 42 #W102CN w/Wilbanks Trucking Services this A.M. EDCC \$50,483. CTCC \$275,562. EDDC \$56,399. CTDC \$2,454,351. CTWC \$2,729,913. AFEC \$6,540,900. (RD-C/WRM/LJ)

02/26/18  
MO Patterson/UTI #243 w/Wilbanks Trucking Services. EDCC \$0. CTCC \$275,562. EDDC \$0. CTDC \$2,454,351. CTWC \$2,729,913. AFEC \$6,540,900. (RD-C/WRM/LJ)

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

Lease University B21 5 Well No W101PA Location 180' FSL & 1500' FEL  
 County Winkler ST TX Section \_\_\_\_\_ TwnShp S Rng E  
 Section 5 Blk 21 Survey UL Survey  
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FEB 27 2018 Continue MO Patterson/UTI #243 w/Wilbanks Trucking Services. EDCC \$0. CTCC \$275,562. EDDC \$0. CTDC \$2,454,351. CTWC \$2,729,913. AFEC \$6,540,900. (RD-C/WRM/SH)

FEB 28 2018 Back drag location & set anchors. WO toe prep. Filling frac pond. EDCC \$5,200. CTCC \$231,441. EDDC \$0. CTDC \$2,898,825. CTWC \$3,130,266. AFEC \$6,537,700.

MAR 1 2018 Finished MO Patterson/UTI #243 w/Wilbanks Trucking Services.  
 SICP 0#. MIRU Cameron. Caliper ID of tbg spool @ 6.77". NU 10k frac valve (MOC P-14) transferred from MOC stock @ Cameron. RDMO Cameron. MIRU Parker Energy pump truck & loaded backside w/1 bbl & tested to 300# for 10 mins, held OK. MIRU Renegade WL. RIH w/CCL, GR, CNL & CBL. Logged 11700' to surface (found TOC @ 3830'). RDMO Renegade. EDCC \$15,775. CTCC \$291,337. EDDC \$0. CTDC \$2,454,351. CTWC \$2,745,688. AFEC \$6,540,900. (RD-C/WRM/SH/KR)

MAR 2 2018 SICP 0#. MIRU Cogent 2" CT unit, TTS tools & Moran FB. Held safety meeting. RIH w/3 3/4" Varel bit, motor, agitator, hydro shock, hydraulic disconnect, jars, dual flapper, slip on coil connector & coil tbg to LT. SWI & tested casing to 8000# for 10 mins, held OK. Continue RIH. Tagged LC @ 16949' (coil depth 16911'). POOH. EDCC \$45,000. CTCC \$336,337. EDDC \$0. CTDC \$2,454,351. CTWC \$2,790,688. AFEC \$6,540,900. (MGW/LuJ)

MAR 5 2018 03/03/18  
 SICP 0#. RIH w/TCP guns, hydraulic disconnect, dual flapper, slip on coil connector & CT. Tagged PBTD @ 16949' (coil depth 16911') & set guns on depth and dropped 5/8" ball. Pumped 48 BFW & pressured to 5600#. **Perforated Wolfcamp @ 16949' (0.92', 6 holes), 16934' (0.92', 6 holes), 16919' (0.92', 6 holes), 16904' (0.92', 6 holes), 16889' (0.92', 6 holes), 16874' (0.92', 6 holes). Total 6', 36 holes.** Guns loaded @ 0.40" EHD, 15 GC, 40.5" pen, 60° phasing. POOH. RDMO Cogent CT, TTS tools, & Moran FB. EDCC \$42,930. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (MGW/LuJ)  
03/04/18  
 Filling frac pond. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900.

MAR 6-8 2018 Filling frac pond. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900.

MAR 9 2018 Prep to frac 03/10/18. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/RB/BC-C//RB-C)

MAR 12 2018 03/10/18  
 Prep to frac this A.M. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900.  
03/11/18  
 SICP 2090#. Frac stage 1 @ report time (37 stages). EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/RB/BC-C/RB-C//DW-C)  
03/12/18  
 SICP 4510#. Frac stage 2 (37 stages). WL stage 3 @ report time. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (RB/BC-C/RB-C//DW-C)

MAR 13 2018 SICP 4915#. Frac stages 3 - 4 (37 stages). Frac stage 5 @ report time. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/RB/BC-C/RB-C/DW-C)

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
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**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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MAR 14 2018	SICP 4715#. Frac stages 5 - 7 (37 stages). Frac stage 8 @ report time. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (MGW/KM/RB/BC-C/RB-C/DW-C)																																								
MAR 15 2018	SICP 4990#. Frac stages 8 - 11 (37 stages). WL stage 12 @ report time. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/CC/BC-C/RB-C/DW-C)																																								
MAR 16 2018	SICP 4795#. Frac stages 12 - 14 (37 stages). Frac stage 15 @ report time. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/CC/BC-C/RB-C/DW-C)																																								
MAR 19 2018	<u>03/17/18</u> SICP 5000#. Frac stages 15 - 17 (37 stages). WL stage 18 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/CC/BC-C/CG-C/DW-C)																																								
MAR 19-CONT	<u>03/18/18</u> SICP 4930#. Frac stages 18 - 21 (37 stages). WL stage 22 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (CC/BC-C/CG-C/DW-C)																																								
MAR 20 2018	<u>03/19/18</u> SICP 4530#. Frac stage 22 (37 stages). Frac stage 23 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (CC/BC-C/CG-C/DW-C)																																								
MAR 21 2018	SICP 4950#. Frac stages 23 - 25 (37 stages). Frac stage 26 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (RB/CC/JH-C/CG-C/DW-C)																																								
MAR 22 2018	SICP 4965#. Frac stages 26 - 29 (37 stages). Prep to WL stage 30 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/CC/JH-C/CG-C/DW-C)																																								
MAR 23 2018	SICP 4710#. Frac stages 29 - 31 (37 stages). Frac stage 32 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/RB/JH-C/CG-C/DW-C)																																								
MAR 24 2018	SICP 4780#. Frac stages 32 - 34 (37 stages). WL stage 35 @ report time. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900. (KM/RB/JH-C/CG-C/DW-C)																																								
MAR 24 2018	SICP 2290#. MIRU Halliburton, Guardian & Reliance WL. <b>Frac Horizontal Wolfcamp w/12978360 gal Slickwater carrying 14040000# Local Permian 100 Mesh Sand as follows (planned)</b> . Frac stage #1 as follows:  <div style="text-align: center;"> <p><u>Stage #1 @ 16949' - 16874'</u></p> <table border="1"> <thead> <tr> <th><u>(Gals)</u></th> <th><u>Stage Fluid</u></th> <th><u>PPG</u></th> <th><u>AIR</u></th> <th><u>SCP</u></th> </tr> </thead> <tbody> <tr> <td>1500</td> <td>10% HCl</td> <td>0.00</td> <td>27</td> <td>8645</td> </tr> <tr> <td>22000</td> <td>SW Pad</td> <td>0.00</td> <td>46</td> <td>8660</td> </tr> <tr> <td>37000</td> <td>SW + Local 100 Mesh</td> <td>0.25</td> <td>50</td> <td>8580</td> </tr> <tr> <td>38000</td> <td>SW + Local 100 Mesh</td> <td>0.50</td> <td>52</td> <td>8570</td> </tr> <tr> <td>48000</td> <td>SW + Local 100 Mesh</td> <td>1.00</td> <td>54</td> <td>8420</td> </tr> <tr> <td>64000</td> <td>SW + Local 100 Mesh</td> <td>1.50</td> <td>54</td> <td>8445</td> </tr> <tr> <td>57000</td> <td>SW + Local 100 Mesh</td> <td>1.75</td> <td>55</td> <td>8430</td> </tr> </tbody> </table> </div>	<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>	1500	10% HCl	0.00	27	8645	22000	SW Pad	0.00	46	8660	37000	SW + Local 100 Mesh	0.25	50	8580	38000	SW + Local 100 Mesh	0.50	52	8570	48000	SW + Local 100 Mesh	1.00	54	8420	64000	SW + Local 100 Mesh	1.50	54	8445	57000	SW + Local 100 Mesh	1.75	55	8430
<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>																																					
1500	10% HCl	0.00	27	8645																																					
22000	SW Pad	0.00	46	8660																																					
37000	SW + Local 100 Mesh	0.25	50	8580																																					
38000	SW + Local 100 Mesh	0.50	52	8570																																					
48000	SW + Local 100 Mesh	1.00	54	8420																																					
64000	SW + Local 100 Mesh	1.50	54	8445																																					
57000	SW + Local 100 Mesh	1.75	55	8430																																					

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**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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MAR 24 – CONT	59000	SW + Local 100 Mesh	2.00	56	8445
	35510	SW Flush	0.00	56	8450
	<p>ISDP 5645#. RIH w/Precision Purple Seal frac plug &amp; 12 - 2' HP scalloped guns. Pumped guns down w/14364 gals FW @ 8 BPM &amp; 7200#. Set plug @ 16864'. Established 2 BPM injection &amp; fired guns on the fly. <b>Perforated @ 16852' (0.67', 3 holes), 16842' (0.67', 3 holes), 16832' (0.67', 3 holes), 16822' (0.67', 3 holes), 16812' (0.67', 3 holes), 16802' (0.67', 3 holes), 16792' (0.67', 3 holes), 16782' (0.67', 3 holes), 16772' (0.67', 3 holes), 16762' (0.67', 3 holes), 16752' (0.67', 3 holes) &amp; 16742' (0.67', 3 holes).</b> Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #2 as follows:</p>				
	<u>Stage #2 @ 16852' - 16742'</u>				
	<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
	2000	15% HCl	0.00	20	7760
	22000	SW Pad	0.00	60	8525
	37000	SW + Local 100 Mesh	0.25	66	8625
	38000	SW + Local 100 Mesh	0.50	72	8850
	48000	SW + Local 100 Mesh	0.50	75	8810
64000	SW + Local 100 Mesh	0.50	75	8800	
57000	SW + Local 100 Mesh	0.50	76	8790	
59000	SW + Local 100 Mesh	0.50	77	8895	
36490	SW Flush	0.00	74	8690	
<p>ISDP 5835#. RIH w/Precision Purple Seal frac plug &amp; 12 - 2' HP scalloped guns. Pumped guns down w/16884 gals FW @ 8 BPM &amp; 6200#. Set plug @ 16732'. Established 2 BPM injection &amp; fired guns on the fly. <b>Perforated @ 16720' (0.67', 3 holes), 16710' (0.67', 3 holes), 16700' (0.67', 3 holes), 16690' (0.67', 3 holes), 16680' (0.67', 3 holes), 16670' (0.67', 3 holes), 16660' (0.67', 3 holes), 16650' (0.67', 3 holes), 16640' (0.67', 3 holes), 16630' (0.67', 3 holes), 16620' (0.67', 3 holes) &amp; 16614' (0.67', 3 holes).</b> Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #3 as follows:</p>					
<u>Stage #3 @ 16720' - 16614'</u>					
<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>	
2000	15% HCl	0.00	25	7930	
22000	SW Pad	0.00	52	8710	
37000	SW + Local 100 Mesh	0.25	62	8440	
38000	SW + Local 100 Mesh	0.50	66	8430	
48000	SW + Local 100 Mesh	1.00	73	8660	
64000	SW + Local 100 Mesh	1.50	73	8580	
57000	SW + Local 100 Mesh	1.75	73	8405	
59000	SW + Local 100 Mesh	2.00	72	8850	
36408	SW Flush	0.00	72	8550	
<p>ISDP 5784#. RIH w/Precision Purple Seal frac plug &amp; 12 - 2' HP scalloped guns. Pumped guns down w/14280 gals FW @ 8 BPM &amp; 6400#. Set plug @ 16660'. Established 2 BPM injection &amp; fired guns on the fly. <b>Perforated @ 16588' (0.67', 3 holes), 16578' (0.67', 3 holes), 16568' (0.67', 3 holes), 16558' (0.67', 3 holes), 16548' (0.67', 3 holes), 16538' (0.67', 3 holes), 16528' (0.67', 3 holes), 16518' (0.67', 3 holes), 16508' (0.67', 3 holes), 16498' (0.67', 3 holes), 16488'</b></p>					

**MEWBOURNE OIL COMPANY  
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**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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**(0.67', 3 holes) & 16480' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #4 as follows:

Stage #4 @ 16588' - 16480'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
2000	10% HCl	0.00	23	8475
22000	SW Pad	0.00	51	8610
37000	SW + Local 100 Mesh	0.25	65	8820
38000	SW + Local 100 Mesh	0.50	72	8805
48000	SW + Local 100 Mesh	1.00	76	8840
64000	SW + Local 100 Mesh	1.50	78	8850
57000	SW + Local 100 Mesh	1.75	80	8820
59000	SW + Local 100 Mesh	2.00	73	8990
36325	SW Flush	0.00	73	8740

ISDP 5965#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/10332 gals FW @ 8 BPM & 6400#. Set plug @ 16468'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 16456' (0.67', 3 holes), 16446' (0.67', 3 holes), 16436' (0.67', 3 holes), 16426' (0.67', 3 holes), 16416' (0.67', 3 holes), 16406' (0.67', 3 holes), 16396' (0.67', 3 holes), 16384' (0.67', 3 holes), 16376' (0.67', 3 holes), 16366' (0.67', 3 holes), 16356' (0.67', 3 holes) & 16348' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #5 as follows:

Stage #5 @ 16456' - 16348'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
2000	10% HCl	0.00	25	8630
22000	SW Pad	0.00	56	8710
37000	SW + Local 100 Mesh	0.25	58	8420
38000	SW + Local 100 Mesh	0.50	67	8590
48000	SW + Local 100 Mesh	1.00	70	8700
64000	SW + Local 100 Mesh	1.50	71	8640
57000	SW + Local 100 Mesh	1.75	73	8675
59000	SW + Local 100 Mesh	2.00	68	8780
36540	SW Flush	0.00	66	8540

ISDP 5890#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/11970 gals FW @ 8 BPM & 6500#. Set plug @ 16336'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 16324' (0.67', 3 holes), 16314' (0.67', 3 holes), 16304' (0.67', 3 holes), 16294' (0.67', 3 holes), 16284' (0.67', 3 holes), 16274' (0.67', 3 holes), 16264' (0.67', 3 holes), 16254' (0.67', 3 holes), 16244' (0.67', 3 holes), 16234' (0.67', 3 holes), 16224' (0.67', 3 holes) & 16214' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #6 as follows:

Stage #6 @ 16324' - 16214'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	21	8635

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	22000	SW Pad	0.00	46	8330	
	37000	SW + Local 100 Mesh	0.25	54	8680	
	38000	SW + Local 100 Mesh	0.50	60	8610	
	48000	SW + Local 100 Mesh	1.00	65	8600	
	64000	SW + Local 100 Mesh	1.50	69	8715	
	57000	SW + Local 100 Mesh	1.75	71	8690	
	59000	SW + Local 100 Mesh	2.00	61	8795	
	36159	SW Flush	0.00	65	8690	
	<p>ISDP 5950#. RIH w/Precision Purple Seal frac plug &amp; 12 - 2' HP scalloped guns. Pumped guns down w/8190 gals FW @ 8 BPM &amp; 6500#. Set plug @ 16204'. Established 2 BPM injection &amp; fired guns on the fly. <b>Perforated @ 16192' (0.67', 3 holes), 16182' (0.67', 3 holes), 16172' (0.67', 3 holes), 16162' (0.67', 3 holes), 16152' (0.67', 3 holes), 16142' (0.67', 3 holes), 16132' (0.67', 3 holes), 16120' (0.67', 3 holes), 16112' (0.67', 3 holes), 16102' (0.67', 3 holes), 16092' (0.67', 3 holes) &amp; 16082' (0.67', 3 holes).</b> Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #7 as follows:</p>					
	<u>Stage #7 @ 16192' - 16082'</u>					
	<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>	
MAR 24 – CONT	2000	10% HCl	0.00	25	8445	
	22000	SW Pad	0.00	53	8715	
	37000	SW + Local 100 Mesh	0.25	62	8840	
	38000	SW + Local 100 Mesh	0.50	65	8770	
	48000	SW + Local 100 Mesh	1.00	68	8825	
	64000	SW + Local 100 Mesh	1.50	69	8860	
	57000	SW + Local 100 Mesh	1.75	70	8810	
	59000	SW + Local 100 Mesh	2.00	65	8890	
	36540	SW Flush	0.00	63	8560	
<p>ISDP 5920#. RIH w/Precision Purple Seal frac plug &amp; 12 - 2' HP scalloped guns. Pumped guns down w/7602 gals FW @ 8 BPM &amp; 6400#. Set plug @ 16072'. Established 2 BPM injection &amp; fired guns on the fly. <b>Perforated @ 16060' (0.67', 3 holes), 16050' (0.67', 3 holes), 16040' (0.67', 3 holes), 16030' (0.67', 3 holes), 16020' (0.67', 3 holes), 16010' (0.67', 3 holes), 16000' (0.67', 3 holes), 15990' (0.67', 3 holes), 15980' (0.67', 3 holes), 15970' (0.67', 3 holes), 15960' (0.67', 3 holes) &amp; 15950' (0.67', 3 holes).</b> Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #8 as follows:</p>						
<u>Stage #8 @ 16060' - 15950'</u>						
	<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>	
	2000	10% HCl	0.00	30	8090	
	22000	SW Pad	0.00	60	8690	
	37000	SW + Local 100 Mesh	0.25	63	8515	
	38000	SW + Local 100 Mesh	0.50	67	8590	
	48000	SW + Local 100 Mesh	1.00	71	8640	
	64000	SW + Local 100 Mesh	1.50	71	8700	
	57000	SW + Local 100 Mesh	1.75	71	8640	
	59000	SW + Local 100 Mesh	2.00	65	8750	
	36540	SW Flush	0.00	68	8770	

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**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
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ISDP 6135#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/8190 gals FW @ 8 BPM & 6300#. Set plug @ 15938'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15928' (0.67', 3 holes), 15918' (0.67', 3 holes), 15908' (0.67', 3 holes), 15900' (0.67', 3 holes), 15888' (0.67', 3 holes), 15878' (0.67', 3 holes), 15868' (0.67', 3 holes), 15860' (0.67', 3 holes), 15848' (0.67', 3 holes), 15838' (0.67', 3 holes), 15828' (0.67', 3 holes) & 15818' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #9 as follows:

Stage #9 @ 15928' - 15818'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	35	8515
22000	SW Pad	0.00	50	8720
37000	SW + Local 100 Mesh	0.25	63	8630
38000	SW + Local 100 Mesh	0.50	66	8590
48000	SW + Local 100 Mesh	1.00	68	8650
64000	SW + Local 100 Mesh	1.50	68	8710
57000	SW + Local 100 Mesh	1.75	68	8625
59000	SW + Local 100 Mesh	2.00	64	8725
36540	SW Flush	0.00	60	8435

ISDP 6075#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/10668 gals FW @ 8 BPM & 6400#. Set plug @ 15808'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15796' (0.67', 3 holes), 15786' (0.67', 3 holes), 15776' (0.67', 3 holes), 15766' (0.67', 3 holes), 15756' (0.67', 3 holes), 15746' (0.67', 3 holes), 15736' (0.67', 3 holes), 15726' (0.67', 3 holes), 15716' (0.67', 3 holes), 15706' (0.67', 3 holes), 15696' (0.67', 3 holes) & 15686' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #10 as follows:

Stage #10 @ 15796' - 15686'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	27	8300
22000	SW Pad	0.00	58	8570
37000	SW + Local 100 Mesh			0.25
67	8790			
38000	SW + Local 100 Mesh	0.50	71	8760
48000	SW + Local 100 Mesh	1.00	73	8810
64000	SW + Local 100 Mesh	1.50	75	8790
57000	SW + Local 100 Mesh	1.75	77	8815
59000	SW + Local 100 Mesh	2.00	72	8980
36540	SW Flush	0.00	70	8650

ISDP 5890#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/8946 gals FW @ 8 BPM & 6400#. Set plug @ 15674'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15664' (0.67', 3 holes), 15654' (0.67', 3 holes), 15644' (0.67', 3 holes), 15634' (0.67', 3 holes), 15624' (0.67', 3 holes), 15614' (0.67', 3 holes), 15604' (0.67', 3 holes), 15596' (0.67', 3 holes), 15584' (0.67', 3 holes), 15574' (0.67', 3 holes), 15564' (0.67', 3 holes) & 15554' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15

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**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
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GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #11 as follows:

Stage #11 @ 15664' - 15554'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	25	8515
22000	SW Pad	0.00	57	8660
37000	SW + Local 100 Mesh	0.25	65	8775
38000	SW + Local 100 Mesh	0.50	71	8780
48000	SW + Local 100 Mesh	1.00	74	8790
64000	SW + Local 100 Mesh	1.50	76	8890
57000	SW + Local 100 Mesh	1.75	75	8880
59000	SW + Local 100 Mesh	2.00	61	8655
36540	SW Flush	0.00	64	8600

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ISDP 5875#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/8274 gals FW @ 8 BPM & 6500#. Set plug @ 15544'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15532' (0.67', 3 holes), 15522' (0.67', 3 holes), 15512' (0.67', 3 holes), 15502' (0.67', 3 holes), 15492' (0.67', 3 holes), 15482' (0.67', 3 holes), 15472' (0.67', 3 holes), 15460' (0.67', 3 holes), 15452' (0.67', 3 holes), 15440' (0.67', 3 holes), 15432' (0.67', 3 holes) & 15422' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #12 as follows:

Stage #12 @ 15532' - 15422'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	20	8165
22000	SW Pad	0.00	55	8270
37000	SW + Local 100 Mesh	0.25	67	8615
38000	SW + Local 100 Mesh	0.50	71	8570
48000	SW + Local 100 Mesh	1.00	74	8540
64000	SW + Local 100 Mesh	1.50	74	8565
57000	SW + Local 100 Mesh	1.75	76	8655
59000	SW + Local 100 Mesh	2.00	66	8770
35663	SW Flush	0.00	66	8425

ISDP 6145#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/6006 gals FW @ 8 BPM & 6500#. Set plug @ 15412'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15396' (0.67', 3 holes), 15390' (0.67', 3 holes), 15380' (0.67', 3 holes), 15368' (0.67', 3 holes), 15360' (0.67', 3 holes), 15350' (0.67', 3 holes), 15340' (0.67', 3 holes), 15331' (0.67', 3 holes), 15320' (0.67', 3 holes), 15310' (0.67', 3 holes), 15300' (0.67', 3 holes) & 15290' (0.67', 3 holes).** Total 8', 30 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. Ten guns fired. Dropped 1 5/8" ball. Frac stage #13 as follows:

Stage #13 @ 15396' - 15290'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	33	8660
22000	SW Pad	0.00	63	8505
37000	SW + Local 100 Mesh	0.25	70	8615

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**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwNShp** S **Rng** E  
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38000	SW + Local 100 Mesh	0.50	75	8530
48000	SW + Local 100 Mesh	1.00	79	8720
64000	SW + Local 100 Mesh	1.50	80	8630
57000	SW + Local 100 Mesh	1.75	78	8525
59000	SW + Local 100 Mesh	2.00	72	8820
35595	SW Flush	0.00	75	8695

ISDP 6005#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/5250 gals FW @ 8 BPM & 6100#. Set plug @ 15278'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15268' (0.67', 3 holes), 15258' (0.67', 3 holes), 15248' (0.67', 3 holes), 15239' (0.67', 3 holes), 15228' (0.67', 3 holes), 15218' (0.67', 3 holes), 15208' (0.67', 3 holes), 15200' (0.67', 3 holes), 15188' (0.67', 3 holes), 15178' (0.67', 3 holes), 15168' (0.67', 3 holes) & 15158' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #14 as follows:

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Stage #14 @ 15268' - 15158'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	48	8450
22000	SW Pad	0.00	61	8690
37000	SW + Local 100 Mesh	0.25	67	8740
38000	SW + Local 100 Mesh	0.50	71	8750
48000	SW + Local 100 Mesh	1.00	75	8710
64000	SW + Local 100 Mesh	1.50	75	8720
57000	SW + Local 100 Mesh	1.75	70	8250
59000	SW + Local 100 Mesh	2.00	71	8350
35497	SW Flush	0.00	70	8810

ISDP 5960#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/4872 gals FW @ 8 BPM & 6200#. Set plug @ 15148'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 15136' (0.67', 3 holes), 15126' (0.67', 3 holes), 15116' (0.67', 3 holes), 15103' (0.67', 3 holes), 15096' (0.67', 3 holes), 15086' (0.67', 3 holes), 15076' (0.67', 3 holes), 15068' (0.67', 3 holes), 15056' (0.67', 3 holes), 15046' (0.67', 3 holes), 15036' (0.67', 3 holes) & 15029' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #15 as follows:

Stage #15 @ 15136' - 15029'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	32	8745
22000	SW Pad	0.00	61	8370
37000	SW + Local 100 Mesh	0.25	68	8480
38000	SW + Local 100 Mesh	0.50	76	8530
48000	SW + Local 100 Mesh	1.00	77	8585
64000	SW + Local 100 Mesh	1.50	78	8645
57000	SW + Local 100 Mesh	1.75	78	8600
59000	SW + Local 100 Mesh	2.00	65	8735
35414	SW Flush	0.00	65	8550

ISDP 5910#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/8568 gals FW @ 8 BPM & 6200#. Set plug @ 15016'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14994' (0.67', 3 holes), 14984' (0.67', 3 holes), 14974'**

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**(0.67', 3 holes), 14964' (0.67', 3 holes), 14954' (0.67', 3 holes), 14944' (0.67', 3 holes), 14937' (0.67', 3 holes), 14924' (0.67', 3 holes), 14914' (0.67', 3 holes), 14904' (0.67', 3 holes) & 14894' (0.67', 3 holes).** Total 8', 33 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. Eleven guns fired. Dropped 1 5/8" ball. Frac stage #16 as follows:

Stage #16 @ 14994' - 14894'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	33	7830
22000	SW Pad	0.00	64	8520
37000	SW + Local 100 Mesh	0.25	72	8810
38000	SW + Local 100 Mesh	0.50	76	8605
48000	SW + Local 100 Mesh	1.00	80	8590
64000	SW + Local 100 Mesh	1.50	80	8570
57000	SW + Local 100 Mesh	1.75	80	8445
59000	SW + Local 100 Mesh	2.00	80	8690
35322	SW Flush	0.00	80	8455

ISDP 6010#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/8274 gals FW @ 8 BPM & 6800#. Set plug @ 14884'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14872' (0.67', 3 holes), 14862' (0.67', 3 holes), 14852' (0.67', 3 holes), 14840' (0.67', 3 holes), 14832' (0.67', 3 holes), 14822' (0.67', 3 holes), 14812' (0.67', 3 holes), 14802' (0.67', 3 holes), 14789' (0.67', 3 holes), 14782' (0.67', 3 holes), 14772' (0.67', 3 holes) & 14762' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #17 as follows:

Stage #17 @ 14872' - 14762'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	38	8270
22000	SW Pad	0.00	64	8775
37000	SW + Local 100 Mesh	0.25	80	8660
38000	SW + Local 100 Mesh	0.50	80	8480
48000	SW + Local 100 Mesh	1.00	80	8450
64000	SW + Local 100 Mesh	1.50	80	8350
57000	SW + Local 100 Mesh	1.75	80	8200
59000	SW + Local 100 Mesh	2.00	80	8765
35249	SW Flush	0.00	80	8500

ISDP 5940#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/6384 gals FW @ 8 BPM & 7000#. Set plug @ 14748'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14740' (0.67', 3 holes), 14730' (0.67', 3 holes), 14720' (0.67', 3 holes), 14712' (0.67', 3 holes), 14700' (0.67', 3 holes), 14690' (0.67', 3 holes), 14680' (0.67', 3 holes), 14670' (0.67', 3 holes), 14660' (0.67', 3 holes), 14650' (0.67', 3 holes), 14640' (0.67', 3 holes) & 14630' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #18 as follows:

Stage #18 @ 14740' - 14630'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
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500	10% HCl	0.00	39	8500
22000	SW Pad	0.00	72	8580
37000	SW + Local 100 Mesh	0.25	82	8615
38000	SW + Local 100 Mesh	0.50	81	8185
48000	SW + Local 100 Mesh	1.00	81	8425
64000	SW + Local 100 Mesh	1.50	80	8385
57000	SW + Local 100 Mesh	1.75	81	8180
59000	SW + Local 100 Mesh	2.00	80	8580
35166	SW Flush	0.00	80	8405

ISDP 5685#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/5040 gals FW @ 8 BPM & 6600#. Set plug @ 14623'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14608' (0.67', 3 holes), 14598' (0.67', 3 holes), 14588' (0.67', 3 holes), 14578' (0.67', 3 holes), 14568' (0.67', 3 holes), 14558' (0.67', 3 holes), 14531' (0.67', 3 holes), 14518' (0.67', 3 holes), 14508' (0.67', 3 holes) & 14498' (0.67', 3 holes).** Total 8', 30 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. Ten guns fired. Dropped 1 5/8" ball. Frac stage #19 as follows:

Stage #19 @ 14608' - 14498'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	43	8875
22000	SW Pad	0.00	67	8750
37000	SW + Local 100 Mesh	0.25	73	8786
38000	SW + Local 100 Mesh	0.50	77	8695
48000	SW + Local 100 Mesh	1.00	80	8660
64000	SW + Local 100 Mesh	1.50	82	8655
57000	SW + Local 100 Mesh	1.75	82	8615
59000	SW + Local 100 Mesh	2.00	79	8930
35083	SW Flush	0.00	80	8570

ISDP 6005#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/4032 gals FW @ 6 BPM & 6400#. Set plug @ 14488'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14476' (0.67', 3 holes), 14466' (0.67', 3 holes), 14456' (0.67', 3 holes), 14446' (0.67', 3 holes), 14438' (0.67', 3 holes), 14426' (0.67', 3 holes), 14416' (0.67', 3 holes), 14406' (0.67', 3 holes), 14398' (0.67', 3 holes), 14386' (0.67', 3 holes), 14376' (0.67', 3 holes) & 14366' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #20 as follows:

Stage #20 @ 14476' - 14366'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	47	8745
22000	SW Pad	0.00	78	8560
37000	SW + Local 100 Mesh	0.25	86	8680
38000	SW + Local 100 Mesh	0.50	88	8695
48000	SW + Local 100 Mesh	1.00	88	8500
64000	SW + Local 100 Mesh	1.50	88	8485
57000	SW + Local 100 Mesh	1.75	88	8350
59000	SW + Local 100 Mesh	2.00	86	8920
35001	SW Flush	0.00	87	8520

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**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwNShp** S **Rng** E  
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ISDP 5470#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/4242 gals FW @ 8 BPM & 5800#. Set plug @ 14356'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14344' (0.67', 3 holes), 14334' (0.67', 3 holes), 14324' (0.67', 3 holes), 14314' (0.67', 3 holes), 14304' (0.67', 3 holes), 14294' (0.67', 3 holes), 14284' (0.67', 3 holes), 14274' (0.67', 3 holes), 14263' (0.67', 3 holes), 14254' (0.67', 3 holes), 14244' (0.67', 3 holes) & 14234' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #21 as follows:

Stage #21 @ 14344' - 14234'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	40	8375
22000	SW Pad	0.00	77	8540
37000	SW + Local 100 Mesh	0.25	84	8545
38000	SW + Local 100 Mesh	0.50	89	8515
48000	SW + Local 100 Mesh	1.00	89	8340
64000	SW + Local 100 Mesh	1.50	89	8320
57000	SW + Local 100 Mesh	1.75	89	8325
59000	SW + Local 100 Mesh	2.00	89	8830
34918	SW Flush	0.00	89	8835

ISDP 5985#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/5124 gals FW @ 8 BPM & 6300#. Set plug @ 14224'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14212' (0.67', 3 holes), 14202' (0.67', 3 holes), 14192' (0.67', 3 holes), 14182' (0.67', 3 holes), 14172' (0.67', 3 holes), 14162' (0.67', 3 holes), 14152' (0.67', 3 holes), 14142' (0.67', 3 holes), 14132' (0.67', 3 holes), 14122' (0.67', 3 holes), 14112' (0.67', 3 holes) & 14102' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #22 as follows:

Stage #22 @ 14212' - 14102'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	41	8430
22000	SW Pad	0.00	80	8670
37000	SW + Local 100 Mesh	0.25	89	8695
38000	SW + Local 100 Mesh	0.50	89	8520
48000	SW + Local 100 Mesh	1.00	89	8465
64000	SW + Local 100 Mesh	1.50	80	7955
57000	SW + Local 100 Mesh	1.75	83	7870
59000	SW + Local 100 Mesh	2.00	83	8250
34835	SW Flush	0.00	83	8165

ISDP 4532#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/4620 gals FW @ 8 BPM & 6400#. Set plug @ 14092'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 14080' (0.67', 3 holes), 14070' (0.67', 3 holes), 14060' (0.67', 3 holes), 14052' (0.67', 3 holes), 14040' (0.67', 3 holes), 14030' (0.67', 3 holes), 14020' (0.67', 3 holes), 14010' (0.67', 3 holes), 14000' (0.67', 3 holes), 13990' (0.67', 3 holes), 13980' (0.67', 3 holes) & 13970' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #23 as follows:

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**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwNShp** S **Rng** E  
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follows:

Stage #23 @ 14080' - 13970'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	37	8625
22000	SW Pad	0.00	47	8880
37000	SW + Local 100 Mesh	0.25	78	8395
38000	SW + Local 100 Mesh	0.50	85	8470
48000	SW + Local 100 Mesh	1.00	85	8300
64000	SW + Local 100 Mesh	1.50	85	8260
57000	SW + Local 100 Mesh	1.75	85	8145
59000	SW + Local 100 Mesh	2.00	85	8595
34752	SW Flush	0.00	81	8270

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ISDP 6020#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/ 4536 gals FW @ 8 BPM & 8000#. Set plug @ 13962. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13948' (0.67', 3 holes), 13938' (0.67', 3 holes), 13928' (0.67', 3 holes), 13918' (0.67', 3 holes), 13908' (0.67', 3 holes), 13898' (0.67', 3 holes), 13888' (0.67', 3 holes), 13878' (0.67', 3 holes), 13868' (0.67', 3 holes), 13858' (0.67', 3 holes), 13848' (0.67', 3 holes) & 13838' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #24 as follows:

Stage #24 @ 13948' - 13838'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	41	8450
22000	SW Pad	0.00	65	8165
37000	SW + Local 100 Mesh	0.25	80	8460
38000	SW + Local 100 Mesh	0.50	84	8365
48000	SW + Local 100 Mesh	1.00	84	8280
64000	SW + Local 100 Mesh	1.50	87	8380
57000	SW + Local 100 Mesh	1.75	87	8355
59000	SW + Local 100 Mesh	2.00	85	8560
34669	SW Flush	0.00	82	8400

ISDP 5885#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/3528 gals FW @ 8 BPM & 6000#. Set plug @ 13828'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13816' (0.67', 3 holes), 13807' (0.67', 3 holes), 13798' (0.67', 3 holes), 13789' (0.67', 3 holes), 13780' (0.67', 3 holes), 13771' (0.67', 3 holes), 13762' (0.67', 3 holes), 13753' (0.67', 3 holes), 13744' (0.67', 3 holes), 13735' (0.67', 3 holes), 13726' (0.67', 3 holes) & 13717' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #25 as follows:

Stage #25 @ 13816' - 13717'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	50	8565
22000	SW Pad	0.00	86	8670
37000	SW + Local 100 Mesh	0.25	87	8375

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38000	SW + Local 100 Mesh	0.50	87	8210
48000	SW + Local 100 Mesh	1.00	87	8065
64000	SW + Local 100 Mesh	1.50	87	8050
57000	SW + Local 100 Mesh	1.75	87	8045
59000	SW + Local 100 Mesh	2.00	87	8820
34596	SW Flush	0.00	86	8425

ISDP 5920#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/3780 gals FW @ 8 BPM & 6000#. Set plug @ 13707'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13693' (0.67', 3 holes), 13685' (0.67', 3 holes), 13675' (0.67', 3 holes), 13663' (0.67', 3 holes), 13655' (0.67', 3 holes), 13645' (0.67', 3 holes), 13635' (0.67', 3 holes), 13625' (0.67', 3 holes), 13615' (0.67', 3 holes), 13605' (0.67', 3 holes), 13593' (0.67', 3 holes) & 13585' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #26 as follows:

Stage #26 @ 13683' - 13585'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	47	8595
22000	SW Pad	0.00	80	8410
37000	SW + Local 100 Mesh	0.25	77	8171
38000	SW + Local 100 Mesh	0.50	87	8320
48000	SW + Local 100 Mesh	1.00	87	8180
64000	SW + Local 100 Mesh	1.50	87	8115
57000	SW + Local 100 Mesh	1.75	87	8025
59000	SW + Local 100 Mesh	2.00	87	8475
34511	SW Flush	0.00	87	8215

ISDP 5948#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/3780 gals FW @ 8 BPM & 5700#. Set plug @ 13575'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13563' (0.67', 3 holes), 13557' (0.67', 3 holes), 13543' (0.67', 3 holes), 13533' (0.67', 3 holes), 13523' (0.67', 3 holes), 13513' (0.67', 3 holes), 13503' (0.67', 3 holes), 13493' (0.67', 3 holes), 13483' (0.67', 3 holes), 13473' (0.67', 3 holes), 13463' (0.67', 3 holes) & 13453' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #27 as follows:

Stage #27 @ 13563' - 13453'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	41	8600
22000	SW Pad	0.00	69	8350
37000	SW + Local 100 Mesh	0.25	80	8410
38000	SW + Local 100 Mesh	0.50	80	8175
48000	SW + Local 100 Mesh	1.00	86	8320
64000	SW + Local 100 Mesh	1.50	86	8125
57000	SW + Local 100 Mesh	1.75	86	8195
59000	SW + Local 100 Mesh	2.00	86	8410
34428	SW Flush	0.00	86	8340

ISDP 6060#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/3654 gals FW @ 8 BPM & 6100#. Set plug @ 13443'. Established 2 BPM injection &

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fired guns on the fly. **Perforated @ 13431' (0.67', 3 holes), 13424' (0.67', 3 holes), 13411' (0.67', 3 holes), 13401' (0.67', 3 holes), 13391' (0.67', 3 holes), 13381' (0.67', 3 holes), 13371' (0.67', 3 holes), 13361' (0.67', 3 holes), 13351' (0.67', 3 holes), 13341' (0.67', 3 holes), 13333' (0.67', 3 holes) & 13321' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #28 as follows:

Stage #28 @ 13431' - 13321'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	45	8600
22000	SW Pad	0.00	68	8035
37000	SW + Local 100 Mesh	0.25	80	8250
38000	SW + Local 100 Mesh	0.50	85	8370
48000	SW + Local 100 Mesh	1.00	85	8150
64000	SW + Local 100 Mesh	1.50	85	7825
57000	SW + Local 100 Mesh	1.75	85	7750
59000	SW + Local 100 Mesh	2.00	83	8405
34345	SW Flush	0.00	83	8215

ISDP 6030#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/3234 gals FW @ 8 BPM & 6000#. Set plug @ 13311'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13299' (0.67', 3 holes), 13289' (0.67', 3 holes), 13279' (0.67', 3 holes), 13269' (0.67', 3 holes), 13259' (0.67', 3 holes), 13249' (0.67', 3 holes), 13240' (0.67', 3 holes), 13229' (0.67', 3 holes), 13219' (0.67', 3 holes), 13209' (0.67', 3 holes), 13199' (0.67', 3 holes) & 13189' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #29 as follows:

Stage #29 @ 13299' - 13189'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	50	8465
22000	SW Pad	0.00	73	8070
37000	SW + Local 100 Mesh	0.25	80	8080
38000	SW + Local 100 Mesh	0.50	85	8220
48000	SW + Local 100 Mesh	1.00	85	8105
64000	SW + Local 100 Mesh	1.50	85	7810
57000	SW + Local 100 Mesh	1.75	80	7735
59000	SW + Local 100 Mesh	2.00	80	8690
34262	SW Flush	0.00	78	8435

ISDP 6165#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/ 2814 gals FW @ 8 BPM & 6200#. Set plug @ 13179'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13167' (0.67', 3 holes), 13157' (0.67', 3 holes), 13145' (0.67', 3 holes), 13137' (0.67', 3 holes), 13127' (0.67', 3 holes), 12117' (0.67', 3 holes), 13107' (0.67', 3 holes), 13097' (0.67', 3 holes), 13087' (0.67', 3 holes), 13077' (0.67', 3 holes), 13067' (0.67', 3 holes) & 13057' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #30 as follows:

Stage #30 @ 13167' - 13057'

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<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	48	8450
22000	SW Pad	0.00	72	8435
37000	SW + Local 100 Mesh	0.25	80	8410
38000	SW + Local 100 Mesh	0.50	80	8250
48000	SW + Local 100 Mesh	1.00	80	8040
64000	SW + Local 100 Mesh	1.50	80	8045
57000	SW + Local 100 Mesh	1.75	80	8105
59000	SW + Local 100 Mesh	2.00	80	8415
34180	SW Flush	0.00	78	8810

SDP 6140#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/2730 galls FW @ 8 BPM & 5900#. Set plug @ 13047'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 13035' (0.67', 3 holes), 13025' (0.67', 3 holes), 13015' (0.67', 3 holes), 13005' (0.67', 3 holes), 12995' (0.67', 3 holes), 12985' (0.67', 3 holes), 12975' (0.67', 3 holes), 12965' (0.67', 3 holes), 12955' (0.67', 3 holes), 12945' (0.67', 3 holes), 12935' (0.67', 3 holes) & 12925' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #31 as follows:

Stage #31 @ 13035' - 12925'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	60	8420
22000	SW Pad	0.00	73	8325
37000	SW + Local 100 Mesh	0.25	80	8295
38000	SW + Local 100 Mesh	0.50	80	8050
48000	SW + Local 100 Mesh	1.00	80	7885
64000	SW + Local 100 Mesh	1.50	80	7750
57000	SW + Local 100 Mesh	1.75	81	7745
59000	SW + Local 100 Mesh	2.00	67	8120
34097	SW Flush	0.00	70	8080

ISDP 6335#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/2562 gals FW @ 8 BPM & 6100#. Set plug @ 12915'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 12903' (0.67', 3 holes), 12893' (0.67', 3 holes), 12884' (0.67', 3 holes), 12873' (0.67', 3 holes), 12863' (0.67', 3 holes), 12853' (0.67', 3 holes), 12843' (0.67', 3 holes), 12833' (0.67', 3 holes), 12823' (0.67', 3 holes), 12813' (0.67', 3 holes), 12903' (0.67', 3 holes) & 12793' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #32 as follows:

Stage #32 @ 12903' - 12793'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	66	8430
22000	SW Pad	0.00	76	8200
37000	SW + Local 100 Mesh	0.25	80	8270
38000	SW + Local 100 Mesh	0.50	80	7935
48000	SW + Local 100 Mesh	1.00	80	7705
64000	SW + Local 100 Mesh	1.50	80	7535

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57000	SW + Local 100 Mesh	1.75	80	7560
59000	SW + Local 100 Mesh	2.00	80	8185
34014	SW Flush	0.00	80	8280

ISDP 5930#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/ 2142 gals FW @ 8 BPM & 6200#. Set plug @ 12783'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 12771' (0.67', 3 holes), 12761' (0.67', 3 holes), 12751' (0.67', 3 holes), 12741' (0.67', 3 holes), 12731' (0.67', 3 holes), 12721' (0.67', 3 holes), 12711' (0.67', 3 holes), 12701' (0.67', 3 holes), 12691' (0.67', 3 holes), 12681' (0.67', 3 holes), 12671' (0.67', 3 holes) & 12661' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #33 as follows:

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Stage #33 @ 12771' - 12661'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	66	8430
22000	SW Pad	0.00	76	8200
37000	SW + Local 100 Mesh	0.25	80	8270
38000	SW + Local 100 Mesh	0.50	80	7835
48000	SW + Local 100 Mesh	1.00	80	7705
64000	SW + Local 100 Mesh	1.50	80	7535
57000	SW + Local 100 Mesh	1.75	80	7560
59000	SW + Local 100 Mesh	2.00	80	8185
34014	SW Flush	0.00	80	8280

ISDP 6050#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/2772 gals FW @ 8 BPM & 5900#. Set plug @ 12651'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 12639' (0.67', 3 holes), 12629' (0.67', 3 holes), 12619' (0.67', 3 holes), 12609' (0.67', 3 holes), 12599' (0.67', 3 holes), 12589' (0.67', 3 holes), 12579' (0.67', 3 holes), 12570' (0.67', 3 holes), 12559' (0.67', 3 holes), 12549' (0.67', 3 holes), 12539' (0.67', 3 holes) & 12529' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #34 as follows:

Stage #34 @ 12639' - 12529'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	43	8400
22000	SW Pad	0.00	64	8580
37000	SW + Local 100 Mesh	0.25	73	8025
38000	SW + Local 100 Mesh	0.50	82	7915
48000	SW + Local 100 Mesh	1.00	85	7960
64000	SW + Local 100 Mesh	1.50	85	7665
57000	SW + Local 100 Mesh	1.75	85	7540
59000	SW + Local 100 Mesh	2.00	85	8185
33849	SW Flush	0.00	85	8290

ISDP 5990#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/2562 gals FW @ 8 BPM & 6200#. Set plug @ 12519'. Established 2 BPM injection &

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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fired guns on the fly. **Perforated @ 12507' (0.67', 3 holes), 12497' (0.67', 3 holes), 12487' (0.67', 3 holes), 12478' (0.67', 3 holes), 12467' (0.67', 3 holes), 12457' (0.67', 3 holes), 12447' (0.67', 3 holes), 12437' (0.67', 3 holes), 12427' (0.67', 3 holes), 12417' (0.67', 3 holes), 12407' (0.67', 3 holes) & 12397' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #35 as follows:

Stage #35 @ 12507' - 12397'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	41	7860
22000	SW Pad	0.00	41	7740
37000	SW + Local 100 Mesh	0.25	70	8260
38000	SW + Local 100 Mesh	0.50	71	7775
48000	SW + Local 100 Mesh	1.00	85	7915
64000	SW + Local 100 Mesh	1.50	83	7670
57000	SW + Local 100 Mesh	1.75	82	7600
59000	SW + Local 100 Mesh	2.00	80	7870
33766	SW Flush	0.00	81	7950

ISDP 5995#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/1764 gals FW @ 8 BPM & 6200#. Set plug @ 12387'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 12375' (0.67', 3 holes), 12365' (0.67', 3 holes), 12355' (0.67', 3 holes), 12347' (0.67', 3 holes), 12335' (0.67', 3 holes), 12325' (0.67', 3 holes), 12315' (0.67', 3 holes), 12305' (0.67', 3 holes), 12295' (0.67', 3 holes), 12285' (0.67', 3 holes), 12275' (0.67', 3 holes) & 12265' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #36 as follows:

Stage #36 @ 12375' - 12265'

<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>
500	10% HCl	0.00	68	8605
22000	SW Pad	0.00	75	8060
37000	SW + Local 100 Mesh	0.25	85	8150
38000	SW + Local 100 Mesh	0.50	85	7955
48000	SW + Local 100 Mesh	1.00	79	7680
64000	SW + Local 100 Mesh	1.50	84	7495
57000	SW + Local 100 Mesh	1.75	84	7325
59000	SW + Local 100 Mesh	2.00	84	7870
33683	SW Flush	0.00	84	7970

ISDP 5920#. RIH w/Precision Purple Seal frac plug & 12 - 2' HP scalloped guns. Pumped guns down w/1680 gals FW @ 8 BPM & 6300#. Set plug @ 12258'. Established 2 BPM injection & fired guns on the fly. **Perforated @ 12243' (0.67', 3 holes), 12233' (0.67', 3 holes), 12223' (0.67', 3 holes), 12213' (0.67', 3 holes), 12203' (0.67', 3 holes), 13193' (0.67', 3 holes), 12183' (0.67', 3 holes), 12173' (0.67', 3 holes), 12163' (0.67', 3 holes), 12153' (0.67', 3 holes), 12143' (0.67', 3 holes) & 12133' (0.67', 3 holes).** Total 8', 36 holes. Guns loaded @ 0.39" EHD, 15 GC, 38" pen, 120° phasing. POOH. All guns fired. Dropped 1 5/8" ball. Frac stage #37 as follows:

Stage #37 @ 12243' - 12133'

**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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**DATE DAILY REPORTS**

	<u>(Gals)</u>	<u>Stage Fluid</u>	<u>PPG</u>	<u>AIR</u>	<u>SCP</u>																																								
	500	10% HCl	0.00	51	8575																																								
	22000	SW Pad	0.00	77	8530																																								
	37000	SW + Local 100 Mesh	0.25	85	8330																																								
	38000	SW + Local 100 Mesh	0.50	85	7940																																								
	48000	SW + Local 100 Mesh	1.00	85	7660																																								
	64000	SW + Local 100 Mesh	1.50	85	7455																																								
	57000	SW + Local 100 Mesh	1.75	85	7290																																								
	59000	SW + Local 100 Mesh	2.00	85	8010																																								
	25998	SW Flush	0.00	85	8050																																								
MAR 25 2018	<p>ISDP 6275#. AIR 76 BPM. ASCP 8375#. (316882 BLWTR). <b>Frac Horizontal Wolfcamp w/13282030 gals Slickwater carrying 13319090# Local Permian 100 Mesh Sand.</b> RDMO Halliburton, Guardian &amp; Reliance WL. EDCC \$2,795,045. CTCC \$3,174,312. CTDC \$2,454,351. CTWC \$5,628,663. AFEC \$6,540,900. (RB/KM/BC-C/DW-C/RB-C) SICP 4300#. Opened well @ 11:00 PM. Flowback as follows:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;"><u>Time</u></th> <th style="text-align: center;"><u>Ck</u></th> <th style="text-align: center;"><u>FCP</u></th> <th style="text-align: center;"><u>BW/hr</u></th> <th style="text-align: center;"><u>Sand</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2:00 AM</td> <td style="text-align: center;">8/64"</td> <td style="text-align: center;">4150#</td> <td style="text-align: center;">99</td> <td style="text-align: center;">Light</td> </tr> </tbody> </table> <p>This AM, FCP 4100# on 8/64" ck making 105 BLW/hr (no oil, no gas, light sand). Recovered 605 BW overnight. (316277 BLWTR, Recovered 1%). EDCC \$10,000. CTCC \$3,184,312. CTDC \$2,454,351. CTWC \$5,638,663. AFEC \$6,540,900. (ARM)</p>					<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>	2:00 AM	8/64"	4150#	99	Light																														
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2:00 AM	8/64"	4150#	99	Light																																									
MAR 26 2018	<p>Flowback as follows:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;"><u>Time</u></th> <th style="text-align: center;"><u>Ck</u></th> <th style="text-align: center;"><u>FCP</u></th> <th style="text-align: center;"><u>BW/hr</u></th> <th style="text-align: center;"><u>Sand</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10:00 AM</td> <td style="text-align: center;">12/64"</td> <td style="text-align: center;">4000#</td> <td style="text-align: center;">153</td> <td style="text-align: center;">Light</td> </tr> <tr> <td style="text-align: center;">2:00 PM</td> <td style="text-align: center;">20/64"</td> <td style="text-align: center;">2000#</td> <td style="text-align: center;">130</td> <td style="text-align: center;">Light</td> </tr> <tr> <td style="text-align: center;">10:00 PM</td> <td style="text-align: center;">12/64"</td> <td style="text-align: center;">700#</td> <td style="text-align: center;">46</td> <td style="text-align: center;">Medium</td> </tr> <tr> <td style="text-align: center;">2:00 AM</td> <td style="text-align: center;">12/64"</td> <td style="text-align: center;">775#</td> <td style="text-align: center;">48</td> <td style="text-align: center;">Medium</td> </tr> </tbody> </table> <p>This AM, FCP 800# on 12/64" ck making 49 BLW/hr (no oil, light gas, medium sand). Recovered 1914 BW overnight. (314363 BLWTR, Recovered 1%). EDCC \$10,000. CTCC \$3,194,312. CTDC \$2,454,351. CTWC \$5,648,663. AFEC \$6,540,900. (ARM)</p>					<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>	10:00 AM	12/64"	4000#	153	Light	2:00 PM	20/64"	2000#	130	Light	10:00 PM	12/64"	700#	46	Medium	2:00 AM	12/64"	775#	48	Medium															
<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>																																									
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10:00 PM	12/64"	700#	46	Medium																																									
2:00 AM	12/64"	775#	48	Medium																																									
MAR 27 2018	<p>EDCC \$10,000. CTCC \$3,194,312. CTDC \$2,454,351. CTWC \$5,648,663. AFEC \$6,540,900. (ARM)</p>																																												
MAR 28 2018	<p>SICP 3500#. RIH w/3 3/4" Bore Haug bit, motor, agitator, hydroshock, hydraulic disconnect, jars, dual flapper, weld on coil connector &amp; coil tbg to 11500'. Broke circulation w/2.5 BPM &amp; set returns @ 5.5 BPM @ 2100#. Drill plugs as follows:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;"><u>Plug #</u></th> <th style="text-align: center;"><u>Depth</u></th> <th style="text-align: center;"><u>Drill time</u></th> <th style="text-align: center;"><u>Plug type</u></th> <th style="text-align: center;"><u>Comments</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">36</td> <td style="text-align: center;">12255'</td> <td style="text-align: center;">19 mins</td> <td style="text-align: center;">Purple Seal</td> <td></td> </tr> <tr> <td style="text-align: center;">35</td> <td style="text-align: center;">12387'</td> <td style="text-align: center;">9 mins</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">5 bbl sweep</td> </tr> <tr> <td style="text-align: center;">34</td> <td style="text-align: center;">DNS</td> <td style="text-align: center;">DNS</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">5.5 BPM Returns</td> </tr> <tr> <td style="text-align: center;">33</td> <td style="text-align: center;">DNS</td> <td style="text-align: center;">DNS</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">Heavy sand</td> </tr> <tr> <td style="text-align: center;">32</td> <td style="text-align: center;">12781'</td> <td style="text-align: center;">2 mins</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">5 bbl sweep</td> </tr> <tr> <td style="text-align: center;">31</td> <td style="text-align: center;">12915'</td> <td style="text-align: center;">2 mins</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">400# kick</td> </tr> <tr> <td style="text-align: center;">30</td> <td style="text-align: center;">13047'</td> <td style="text-align: center;">10 mins</td> <td style="text-align: center;">Purple Seal</td> <td style="text-align: center;">Heavy sand</td> </tr> </tbody> </table>					<u>Plug #</u>	<u>Depth</u>	<u>Drill time</u>	<u>Plug type</u>	<u>Comments</u>	36	12255'	19 mins	Purple Seal		35	12387'	9 mins	Purple Seal	5 bbl sweep	34	DNS	DNS	Purple Seal	5.5 BPM Returns	33	DNS	DNS	Purple Seal	Heavy sand	32	12781'	2 mins	Purple Seal	5 bbl sweep	31	12915'	2 mins	Purple Seal	400# kick	30	13047'	10 mins	Purple Seal	Heavy sand
<u>Plug #</u>	<u>Depth</u>	<u>Drill time</u>	<u>Plug type</u>	<u>Comments</u>																																									
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**MEWBOURNE OIL COMPANY  
500 WEST TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701**

**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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RIH to Plug #29 @ report time. Recovered 990 bbls while drilling. (313373 BLWTR, Recovered 1% of load). EDCC \$13,600. CTCC \$3,207,912. CTDC \$2,454,351. CTWC \$5,662,263. AFEC \$6,540,900. (RJH/CC)

MAR 29 2018 FCP 2400#. Continue drilling plugs as follows:

<u>Plug #</u>	<u>Depth</u>	<u>Drill time</u>	<u>Plug type</u>	<u>Comments</u>	
29	13179'	3 mins	Purple Seal	5 bbl sweep	
28	13311'	2 mins	Purple Seal	5.5 BPM Returns	
27	13443'	15 mins	Purple Seal	5 bbl sweep	
26	13575'	3 mins	Purple Seal	500# kick	
25	13707'	10 mins	Purple Seal	1000' short trip	
24	13828'	10 mins	Purple Seal	5.5 BPM Returns	
23	13960'	2 mins	Purple Seal	5 bbl sweep	
22	14092'	3 mins	Purple Seal	10 minutes between	
MAR 29 – CONT	21	14224'	17 mins	Purple Seal	5 bbl sweep
	20	14356'	3 mins	Purple Seal	15 minutes between
	19	14488'	9 mins	Purple Seal	5 bbl sweep
	18	14620'	16 mins	Purple Seal	25 minutes between
	17	14752'	4 mins	Purple Seal	10 bbl sweep
	16	14884'	2 mins	Purple Seal	20 minutes between
	15	15016'	6 mins	Purple Seal	5 bbl sweep
	14	15148'	12 mins	Purple Seal	5.5 BPM Returns
	13	15280'	7 mins	Purple Seal	10-10-10 sweep

POOH for bit change. RIH w/3 3/4" JZ bit, motor, agitator, hydros shock, hydraulic disconnect, jars, dual flapper, weld on coil connector & coil tbg. Continue drilling plugs as follows:

12	15412'	11 mins	Purple Seal	5.5 BPM Returns
11	15544'	34 mins	Purple Seal	5 bbl sweep
10	15676'	31 mins	Purple Seal	25 minutes between
9	15808'	40 mins	Purple Seal	5 bbl sweep

POOH for BHA change. RIH w/3 3/4" JZ bit, motor (new), agitator (new), hydros shock, hydraulic disconnect, jars, dual flapper, weld on coil connector & coil tbg . Continue drilling plugs as follows:

8	15940'	5 mins	Purple Seal	5.5 BPM Returns
7	16072'	2 mins	Purple Seal	5 bbl sweep
6	16204'	3 mins	Purple Seal	15 minutes between
5	16336'	3 mins	Purple Seal	5 bbl sweep
4	16468'	3 mins	Purple Seal	20 minutes between
3	16600'	4 mins	Purple Seal	5 bbl sweep
2	16732'	2 mins	Purple Seal	5.5 BPM Returns
1	16864'	22 mins	Purple Seal	10-10-10 sweep

Start POOH @ report time. Recovered 2520 bbls while drilling. (310853 BLWTR, recovered 2% of load). EDCC \$15,100. CTCC \$3,223,012. CTDC \$2,454,351. CTWC \$5,677,363. AFEC \$6,540,900 (KR/TT)

MAR 30 2018 Continue POOH & RDMO Forbes CT. Recovered 900 bbls while cleaning well. (309953 BLWTR, Recovered 2% of load). SICP 3750#. Begin flowback as follows:

**MEWBOURNE OIL COMPANY  
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**Lease** University B21 5 **Well No** W101PA **Location** 180' FSL & 1500' FEL  
**County** Winkler **ST** TX **Section** \_\_\_\_\_ **TwnShp** S **Rng** E  
**Section** 5 **Blk** 21 **Survey** UL Survey  
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**API #42-495-33990**

**DATE DAILY REPORTS**

<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>
5:00 PM	12/64"	3700#	32	Light
10:00 PM	15/64"	3600#	92	Light
2:00 AM	16/64"	3500#	108	Light

This AM, FCP 3500# on 16/64" ck making 102 BLW/hr (no oil, light gas, light sand). Recovered 1181 BW overnight. (308772 BLWTR, Recovered 2%). EDCC \$221,720. CTCC \$3,444,732. CTDC \$2,454,351. CTWC \$5,899,083. AFEC \$6,540,900. (MGW/TT/NT)

MAR 31 2018

Continue flowback:

<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>
10:00 AM	15/64"	3500#	105	Light
2:00 PM	15/64"	3500#	101	Light
10:00 PM	15/64"	3500#	102	Light
2:00 AM	15/64"	3500#	101	Light

MAR 31 – CONT

This AM, FCP 3500# on 15/64" ck making 102 BLW/hr (2% oil, light gas, light sand). Recovered 2448 BW overnight. (306324 BLWTR, Recovered 3%). EDCC \$10,000. CTCC \$3,454,732. CTDC \$2,454,351. CTWC \$5,909,083. AFEC \$6,540,900. (NT)

APR 01 2018

Continue flowback:

<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>
10:00 AM	15/64"	3550#	100	Light
2:00 PM	15/64"	3500#	104	Light
10:00 PM	15/64"	3500#	102	Light
2:00 AM	15/64"	3500#	100	Light

This AM, FCP 3500# on 15/64" ck making 101 BLW/hr (2% oil, light gas, light sand). Recovered 2431 BW overnight. (303893 BLWTR, Recovered 4%). EDCC \$10,000. CTCC \$3,464,732. CTDC \$2,454,351. CTWC \$5,919,083. AFEC \$6,540,900. (NT)

APR 02 2018

Flowback as follows:

<u>Time</u>	<u>Ck</u>	<u>FCP</u>	<u>BW/hr</u>	<u>Sand</u>
10:00 AM	15/64"	3500#	99	Light
2:00 PM	15/64"	3550#	99	Light
10:00 PM	15/64"	3550#	101	Light
2:00 AM	15/64"	3500#	101	Light

This AM, FCP 3550# on 15/64" ck making 103 BLW/hr (2% oil, light gas, Light sand). Recovered 2433 BW overnight. (301460 BLWTR, Recovered 4%). EDCC \$10,000. CTCC \$3,474,732. CTDC \$2,454,351. CTWC \$5,929,083. AFEC \$6,540,900. (NT)

APR 03 2018

FCP 3600# on 15/64" ck making 102 BLW/hr (2% oil, light gas, light sand). Recovered 301 BW in 3 hrs. (301159 BLWTR, Recovered 5% of load). **PWOL for initial gas sales to Targa (MM # 200-037). Transfer reports to West Texas District.** Switch to pumper gauges. EDCC \$20,000. CTCC \$3,494,732. CTDC \$2,454,351. CTWC \$5,949,083. AFEC \$6,540,900. (ARM/RD/CCC)