

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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API #42-495-33990

DATE **DAILY REPORTS**

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 01/27/18
 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 & PU BHA 4, Drlg 3 hrs.) **Remarks:** Day 1. Finished RU. Weld on conductor. Mix spud mud & PU BHA. **Spudded well w/Patterson/UTI #243 @ 3:00 A.M. MST 01/27/18** (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)

01/28/18
 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.) **Remarks:** Day 2. Drlg from 300' to 420'. Circ sweep. TOOH. Cut off conductor. Held safety meeting. RU Bull Rogers & run 13 3/8" csg. Installed Cameron 13 5/8" wellhead w/baseplate. Circ csg. RUBJ & cmt. WOC. LD landing joint. Held safety meeting. RU Phoenix & run Gyro. **Bottom hole closure @ 336' MD - 1.7' @ 303.1° Azm.** Held safety meeting. NU & 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)

1	Weatherford TPGS	1.00'
1	13 3/8" 54.5# J55 ST&C Csg	45.15'
1	Weatherford Float Collar	1.75'
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% CaCl₂ (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

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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 ¼", 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 ½, RS 1, PU dir tools & test 3 ½, Trip 5 ¼, Test csg ½, Drlg plug, float & cmt 1 ¾, Drlg 3, Surv ¼, FIT test ¼, 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 ¼", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 2680' in 22 ¾ hrs. PP 3000#, RPM 70/121, WOB 30k, PR 116.5. (Drlg 19 ¾, Surv 3 ¼, 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 ¼", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 3430' in 44 ¼ hrs. PP 3500#, RPM 70/121, WOB 40k, PR 34.9. (Drlg 21 ½, Surv 1, RR ½, 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)

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 ¼", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Made 4695' in 66 ½ hrs. PP 2050#, RPM 70/74, WOB 40k, PR 56.9. (Drlg 22 ¼, Surv 1 ¾ 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 ¼", Make STC, Type SDSi619 (PDC), SN JM5798, Jets 6-16's, In @ 420', Out @ 5125', Made 4705' in 66 ¾ hrs. PP 3000#, RPM 70/74, WOB 40k, PR 40.0. (Drlg ¼, Circ ¾, Trip 6, LD dir tools 1 ½, Pull wear bushing ½, Run csg 8 ½, RS ½, 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

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FEB 02-CONT

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)

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)

02/04/18

7060' (1860'). Operation: Drlg w/motor & 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 3/4", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 1935' in 17 1/4 hrs. (Drlg 15 1/2, Surv 2 1/2, RS 1, Replace swivel packing 2, RR 3 hrs.) **Remarks:** Day 9. Drlg from 5200' to 7022' w/surveys & 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)

02/05/18

8370' (1310'). Operation: Drlg w/motor & 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 <1%, DMC \$1,081, TMC \$13,824. Bit #3, Size 8 3/4", Make STC, Type Z619 (PDC), SN JN0764, Jets 6-16's, In @ 5125', Made 3245' in 38 1/2 hrs. (Drlg 21 1/4, Surv 1 3/4, RS 1 hrs.)

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Remarks: Day 10. Drlg from 7060' to 8370' w/surveys & 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)

FEB 06 2018

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 <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.) **Remarks:** Day 11. Drlg from 8370' to 9103' w/surveys & RS. TOOH 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)

FEB 07 2018

9435' (332'). Operation: Drlg. Formation: Sand - Lime - Chert. MW 9.0, Vis 28, pH 8, Cl 61k, Ca 14000, Solids <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.) **Remarks:** Day 12. LD dir tools. TIH to 4966'. H₂S alarm went active. WO 3rd party safety rep. Cleared alarm w/max H₂S @ 15 PPM. TIH. Circ btms up w/no H₂S 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)

FEB 08 2018

9827' (392'). Operation: TOOH 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.) **Remarks:** Day 13. Drlg from 9435' to 9827'. TOOH. 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)

FEB 09 2018

10079' (252'). Operation: Drlg w/motor & 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', 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 & test 1 ½ hrs.) **Remarks:** Day 14. TOOH. RS. WO roller reamer. PU dir tools & 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)

FEB 12 2018

02/10/18
10735' (656'). Operation: Drlg w/motor & 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 H₂S 3 ¼, RS 1, RR ½ hrs.) **Remarks:** Day 15. Drlg from 10079' to 10222' w/surveys. Circ out H₂S & add scavenger. Max concentration @ 200 PPM. Drlg from 10222'

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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)

02/11/18

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.) **Remarks:** Day 15. Drlg from 10735' to 11548' w/surveys & 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)

02/12/18

11631' MD (83'). Operation: Drlg w/motor & 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 & test 2 ½, Cut drlg line 2, RS ½, Drlg 5 ¾ (Rot 0 & Slide 5 ¾), Surv ¼, SWI for H₂S ¼, Circ 1 ¾ hrs.) **Remarks:** Day 17. TOOH. Replace dir tools & test. TIH. Cut drlg line. RS. TIH. Drlg from 11548' to 11560' MD. SWI for H₂S alarm. Circ out H₂S gas & add scavenger. Max H₂S 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)

11550' MD (11502.8' TVD) 2.5° Inc @ 131.8° Azm

FEB 13 2018

12130' MD (499'). Operation: LD 6" DC's & 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 & Slide 9 ¾), Surv 4 ¼, Circ 1 ¼, Trip 6, LD DC's & DP 2 hrs.) **Remarks:** Day 18. Drlg from 11631' to 12130' MD w/surveys. Circ sweep. TOOH. LD 6" DC's & 5" DP. 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 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)

- 11581' MD (11533.8' TVD) 2.5° Inc @ 98.0° Azm**
- 11613' MD (11565.8' TVD) 2.7° Inc @ 35.5° Azm**
- 11644' MD (11596.7' TVD) 5.9° Inc @ 358.5° Azm**
- 11675' MD (11627.3' TVD) 10.5° Inc @ 350.5° Azm**
- 11706' MD (11657.6' TVD) 13.8° Inc @ 352.7° Azm**
- 11737' MD (11687.5' TVD) 17.1° Inc @ 350.8° Azm**
- 11769' MD (11717.8' TVD) 20.9° Inc @ 348.4° Azm**
- 11800' MD (11746.4' TVD) 24.5° Inc @ 347.5° Azm**
- 11832' MD (11775.1' TVD) 28.1° Inc @ 347.3° Azm**
- 11863' MD (11801.9' TVD) 31.9° Inc @ 349.2° Azm**

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 13-CONT

11895' MD (11828.5' TVD) 35.6° Inc @ 351.0° Azm
11926' MD (11853.0' TVD) 39.7° Inc @ 351.2° Azm
11958' MD (11876.8' TVD) 44.4° Inc @ 351.5° Azm
11989' MD (11898.2' TVD) 48.0° Inc @ 351.9° Azm
12020' MD (11918.4' TVD) 50.9° Inc @ 353.4° Azm
12052' MD (11937.5' TVD) 55.6° Inc @ 354.0° Azm
12080' MD (11952.7' TVD) 58.7° Inc @ 354.1° Azm
Projected to the bit @
12130' MD (11977.6' TVD) 61.7° Inc @ 354.1° Azm

FEB 14 2018

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 & DP 2 ½, LD dir tools 1, Pull wear bushing ½, Run csg 17, Work stuck csg 3 hrs.) **Remarks:** Day 19. LD 6" DC's & 5" DP. Pull wear bushing. Held safety meeting. RU Butch's & run 7" csg w/torque turn to 12086' MD. Work stuck 7" csg @ 12086' MD. Gaining 20 BPH. EDCC \$0. CTCC \$0. EDCC \$63,880. CTDC \$1,385,541. CTWC \$1,385,541. AFEC \$6,540,900. (RD-C/WRM/EE/SH)

FEB 15 2018

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 ⅛", 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.) **Remarks:** Day 20. Work 7" csg free & wash from 12086' to 12116' MD. **Set Cameron mandrel hanger through BOP w/255k#.** RU Par Five & cmt. WOC. LD landing tool. Set & test pack-off to 5000#. PU dir tools & 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. EDCC \$523,686. CTDC \$1,909,227. CTWC \$1,909,227. AFEC \$6,540,900. (RD-C/WRM/EE/SH)

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 @ 4958'	24.66'
111	7" 29# HCP110 LT&C Csg	4905.27'
1	7" 29# HCP110 LT&C Csg Pup Jt	5.01'
1	7" Landing Tool	<u>32.80'</u>
	Total	12120.65'
	Less above KB	<u>4.65'</u>
	Csg set @	12116.00'

(Note: Received 205 jts of 7" 29# HCP110 LT&C csg (9090.31' T-off) & 90 jts of 7" 29# HCP110 LT&C Bond Coated csg (3985.64' T-off) from WB Supply - Manufactured by USS. Returned 23 jts of 7" 29# HCP110 LT&C csg (1020.47' T-off) to WB Supply for credit.)

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 Korseal, 0.4#/sk Defoamer, 35% Enhancer, 14% Glass beads, 6% Gel & 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 Korseal, 0.4#/sk Defoamer & ⅛#/sk Cellophane (yd @ 2.47 cuft/sk @ 11.9 PPG). Tail w/400 sks Class H w/0.2% Retarder & 0.3% Fluid loss (yd @ 1.18 cuft/sk @ 15.6 PPG). Displaced w/448 bbls OBM. Plug down @ 12:15

**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 15-CONT

P.M. MST 02/14/18. Did not circ cmt. Lift pressure 209# @ 3 BPM. (Notified Sam w/TRRC but did not witness.) **Set ECP & tested csg to 4500# for 5 min.**

FEB 16 2018

12725' MD (595'). Operation: Drlg w/motor & 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 & cmt 2, Drlg 17 1/2 (Rot 11 3/4 & Slide 5 3/4), Surv 3 3/4, FIT test 1/4 hrs.) **Remarks:** Day 21. **At 6:00 A.M. MST 02/15/18, tested csg to 1500# for 30 mins, held OK.** Drlg plug, float & cmt. Drlg from 12130' to 12140' MD. **FIT test to 14.5 PPG EMW.** Drlg from 12140' to 12725' MD w/surveys. **Last survey @ 12638' MD (12114.8' TVD) 76.7° Inc @ 356.1° Azm.** 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)

FEB 19 2018

02/17/18

13400' MD (675'). Operation: Drlg w/motor & 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 & Slide 14), Surv 3 1/2, RS 1, RR 2 1/4, Troubleshoot MWD 3/4 hrs.) **Remarks:** Day 22. Drlg from 12725' to 13210' MD w/surveys & RS. Repair pumps. Drlg from 13210' to 13285' MD. Troubleshoot MWD. Drlg from 13285' to 13400' MD w/surveys. **Last survey @ 13325' MD (12125.7' TVD) 87.3° Inc @ 341.3° Azm. Total lateral open hole @ 1284' of 4752'.** 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)

02/18/18

14450' MD (1050'). Operation: Drlg w/motor & 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 & Slide 4), Surv 2 3/4, RS 1, RR 1, Troubleshoot MWD 3/4 hrs.) **Remarks:** Day 23. Drlg from 13400' to 13847' MD w/surveys & RS. Repair pumps. Drlg from 13847' to 14222' MD w/surveys. Troubleshoot MWD. Drlg from 14222' to 14450' MD w/surveys. **Last survey @ 14353' MD (12117.7' TVD) 88.2° Inc @ 341.1° Azm. Total lateral open hole @ 2334' of 4752'.** 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)

02/19/18

15539' MD (1089'). Operation: TOOH for bit & 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 & Slide 2 1/2), Surv 3, RS 1/2, Trip 3 3/4 hrs.) **Remarks:** Day 24. Drlg from 14450' to 15539' MD w/surveys & RS. TOOH. **Last survey @ 15479' MD (12127.9' TVD) 88.6° Inc @ 342.4° Azm. Total lateral open hole @ 3423' of 4752'.** 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

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 19-CONT \$0. EDDC \$76,356. CTDC \$2,144,485. CTWC \$2,144,485. AFEC \$6,540,900. (JA-C/RR/SH)

FEB 20 2018 15850' MD (311'). Operation: Drlg w/motor & 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 & test 2, Drlg 7 1/2 (Rot 5 3/4 & Slide 1 3/4), Surv 1/2, Troubleshoot MWD 1/2 hrs.) **Remarks:** Day 25. TOOH. Replace dir tools & test. TIH. Drlg from 15539' to 15725' MD w/survey. Troubleshoot MWD. Drlg from 15725' to 15850' MD w/survey. **Last survey @ 15667' MD (12130.6' TVD) 90.8° Inc @ 345.9° Azm. Total lateral open hole @ 3734' of 4752'.** 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)

FEB 21 2018 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 & Slide 1 1/2), Surv 3 1/2, RS 3/4, Circ 2, Trip 2 1/4 hrs.) **Remarks:** Day 26. Drlg from 15850' to 16970' MD w/surveys & RS. **TD well @ 1:45 A.M. MST 02/21/18.** Circ sweep. Short trip. **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'.** 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)

FEB 22 2018 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.) **Remarks:** Day 27. Short trip to 12116' MD w/no drag. TIH to 16970' MD w/no drag or fill. Circ. TOOH. LD dir tools. Pull wear bushing. Held safety meeting. RU Butch's to run 4 1/2" 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: Cmting 4 1/2" liner. Formation: Shale. MW 14.2, Vis 84, HTHP 10, PV 48, YP 14, Gels 10/18, FC 2/32", Cl 49k, Adj solids 9.6%, Oil 72%, ES 312, DMC \$1,493, TMC \$101,208. (RR 2, Run liner 14 3/4, Circ 5 3/4, Set liner hanger 1/2, Cmt 1 hrs.) **Remarks:** Day 28. WO new float shoe & float collar. Run 4 1/2" 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'

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 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'	27.20'
		Total	5369.13'
		Top of liner @ (MD)	11594.87'
		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, 1/8#/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 5/8" 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)

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. Calipered 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)

**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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MAR 2 2018	SICP 0#. MIRU Cogent 2" CT unit, TTS tools & Moran FB. Held safety meeting. RIH w/3 ¾" 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	<u>03/03/18</u> 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 ⅝" 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) <u>03/04/18</u> Filling frac pond. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900.
MAR 6-7 2018	Filling frac pond. EDCC \$0. CTCC \$379,267. EDDC \$0. CTDC \$2,454,351. CTWC \$2,833,618. AFEC \$6,540,900.