

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**

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	<u>34.70</u>
	Total	407.12'
	Less above KB	<u>4.12'</u>
	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

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** 2
API #42-495-33990

DATE

DAILY REPORTS

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

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** 3
API #42-495-33990

DATE

DAILY REPORTS

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.)

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

Lease	<u>University B21 5</u>	Well No	<u>W101PA</u>	Location	<u>180' FSL & 1500' FEL</u>
County	<u>Winkler</u>	ST	<u>TX</u>	Section	<u> </u>
Section	<u>5</u>	Blk	<u>21</u>	Survey	<u>UL Survey</u>
Filename					Page <u>4</u>
API #42-495-33990					

DATE

DAILY REPORTS

FEB 05-CONT

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'

**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** 5
API #42-495-33990

DATE

DAILY REPORTS

FEB 12-CONT

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: TOO H 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. TOO H. 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. TOO H. 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. TOO H. 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
Filename _____ **Page** 6
API #42-495-33990

DATE

DAILY REPORTS

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. EDDC \$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. EDDC \$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 Kalseal, 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 Kalseal, 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** _____ **TwShp** S **Rng** E
Section 5 **Blk** 21 **Survey** UL Survey
Filename _____ **Page** 7
API #42-495-33990

DATE

DAILY REPORTS

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
Filename _____ **Page** 8
API #42-495-33990

DATE

DAILY REPORTS

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)

