



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/22/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.70	28

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017		0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,209.00	0.60	130.70	4,207.25	35.49	70.93	35.49	0.32
4,304.00	0.40	114.40	4,302.25	35.03	71.61	35.03	0.26
4,492.00	0.20	293.00	4,490.25	34.88	71.90	34.88	0.32
4,587.00	1.10	83.70	4,585.24	35.05	72.65	35.05	1.35
4,682.00	1.30	76.50	4,680.22	35.40	74.61	35.40	0.26

Daily Summary

Report Start Date 5/22/2017 06:00	Report End Date 5/23/2017 06:00	Footage (ftKB) 1,257.00	End Depth (ftKB) 4,823.0	Daily Field Est Total (Cost) 29,623.22	Cum Field Est To Date (Cost) 360,174.22
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Activity
DRILLING @ 4,823'

24hr Activity

Com
SLIDE F/ 3566' TO 3597' WOB-30, ROP-50, PSI-2600, DIFF-300, GPM-750, TF-270
ROTATE F/ 3597' TO 3692' WOB-35, RPM-100, ROP-63, PSI-2600, DIFF-400, GPM-750, TQ.-8K
SLIDE F/ 3692' TO 3786' WOB-20, ROP-47, PSI-2400, DIFF-200, GPM-750 TF-20
ROTATE F/ 3786' TO 3817' WOB-25, RPM-100, ROP-31, PSI-2600, DIFF-320, GPM-750, TQ.-7K
SLIDE F/ 3817' TO 3879' WOB-20, ROP-41, PSI-2600, DIFF-200, GPM-750, TF-250
ROTATE F/ 3879' TO 3911' WOB-25, ROP-100, PSI-2600, DIFF-300, GPM-750, TQ.-8K
SLIDE F/ 3911' TO 3973' WOB-20, ROP-25, PSI-2400, DIFF-200, GPM-750, TF-250
SERVICE RIG
SLIDE F/ 3,973' TO 4,038' [65' FT AVG ROP 26' FT/HR] WOB-25, ROP-25,SPM - 110/110, PSI-2250, DIFF-200, GPM-750, TF-250
ROTATE F/ 4,038' TO 4,823'. [785' FT AVG ROP 62.8' FT/HR] WOB-20, ROP-45,SPM - 110/110, PSI-2500, DIFF-190, GPM-750, TQ.-5-6K.



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Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
10.00	28

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017		0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,682.00	1.30	76.50	4,680.22	35.40	74.61	35.40	0.26
4,777.00	2.30	88.30	4,775.17	35.71	77.56	35.71	1.12
4,871.00	1.20	80.30	4,869.13	35.93	80.42	35.93	1.20
4,966.00	0.40	51.00	4,964.12	36.31	81.66	36.31	0.92
5,052.00	0.50	17.40	5,050.12	36.85	82.00	36.85	0.32

Daily Summary

Report Start Date 5/23/2017 06:00	Report End Date 5/24/2017 06:00	Footage (ftKB) 275.00	End Depth (ftKB) 5,098.0	Daily Field Est Total (Cost) 17,285.00	Cum Field Est To Date (Cost) 377,459.22
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Activity
RUNNING 9 5/8 CSG.

24hr Activity

Com
SLIDE F/ 4823' TO 4910' WOB-20, ROP-20, PSI-2450, DIFF-250, GPM-750, TF-270 ROTATE F/ 4910' TO 5012' WOB-25, RPM-100, ROP-51, PSI-2450, DIFF-250, GPM-750, TQ.-7K SERVICE RIG ROTATE F/ 5012' TO 5098' WOB-25, RPM-100, PSI-2450, DIFF-250, GPM-750, TQ.-7K CIRCULATE 2 SWEEPS 100 BBLS OF SALT GEL AROUND TO CLEAN HOLE. SPOT 100 BBLS OF SALT GEL ON BOTTOM. POOH TO RUN 9 5/8 CSG. LAY OUT 3-8" DC AND BROKE OFF BIT #RR1 PDC BIT AND LAY OUT DIRECTIONAL TOOL'S. MAKR FLR READY TO RUN CASING. HELD SAFETY MEETING WITH RIG HANDS & BUTCH CSG HANDS AND XTO SAFETY MAN.COMPANY MAN ON RIGGING UP CSG TOOLS AND RUNNING 9 5/8 CSG. RAN 9 5/8" CASING AS FOLLOW'S: 1 - 9 5/8" FLOAT SHOE (1.81'), 2 - JTS OF 9 5/8" 40# HCL-80 LTC (91.44'), 1 - 9 5/8" FLOAT COLLAR (1.45'), 84 - JTS OF 9 5/8" 40# J-55 LTC (3,882.28'), 1 WEATHERFORD DV TOOL (2.70) 28 - JTS OF 9 5/8" 40# HCL-80 LTC (1,121.60) TOTAL PIPE 5,101.28' SET @ 5098'.



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Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
10.00	28

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,682.00	1.30	76.50	4,680.22	35.40	74.61	35.40	0.26
4,777.00	2.30	88.30	4,775.17	35.71	77.56	35.71	1.12
4,871.00	1.20	80.30	4,869.13	35.93	80.42	35.93	1.20
4,966.00	0.40	51.00	4,964.12	36.31	81.66	36.31	0.92
5,052.00	0.50	17.40	5,050.12	36.85	82.00	36.85	0.32

Daily Summary				
Report Start Date 5/24/2017 06:00	Report End Date 5/25/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 5,098.0	Daily Field Est Total (Cost) 45,648.29
Cum Field Est To Date (Cost) 409,557.51		Activity NIPPLE UP 11" 5K DSA & 10K SPOOL.		

24hr Activity
Com
FINISH RUNNING 9 5/8" SURFACE CASING SET @ 5,098'. RIG DOWN CRT AND CASING CREW. M/U CIRCULATING SWEDGE. CIRCULATE WITH RIG PUMP. WAITING ON HALLIBURTON TO SHOW UP WITH CEMENT. FIRST LOAD SHOWED UP @ 09:30, LAST LOAD UNLOADED @ 13:30. HELD PJSM WITH SCAN, HALLIBURTON, WEATHERFORD REP. XTO REP. PUMP FIRST STAGE CEMENT AS FOLLOWS: TEST LINES @ 3000 PSI. PUMP 20 BBLS. GEL SPACER, 917 BBLS. LEAD CEMENT 2645 SXS @ 12.8 PPG YIELD 1.947, WATER 10.35 GAL/SK. AND 115 BBLS. OF TAIL CEMENT 485 SXS @ 14.8 PPG, YIELD 1.332, WATER 6.42 GAL/SK. LOAD PLUG IN HEAD WITNESSED BY XTO REP. DISPLACED W/ 379 BBLS. OF FRESH WATER PLUG BUMPED W/1730 PSI. @ 18:10 WITH 500 PSI OVER CIRCULATING PRESSURE OF 1230 PSI. BLED BACK 2 1/2 BBLS FLOATS HELD (FULL RETURNS DURING CEMENT JOB, NO CEMENT TO SURFACE). DROPPED BOMB AND OPENED DV TOOL W/485 PSI AND GOT RETURNS. SWITCHED LINE OVER TO RIG AND CIRC W/RIG PUMP @ 45 SPM. NO CEMENT RETURNS TO SURFACE. HELD PJSM WITH SCAN, HALLIBURTON, WEATHERFORD REP. XTO REP.SWAP LINES. CEMENT 2ND STAGE OF 9 5/8 CASING. PUMP 20 BBLS GEL SPACER AND PUMP 129 BBLS OF CEMENT 545 SK'S WIGHT 14.8 PPG YIELD 1.332 GALL/SK 6.42.SHUT DOWN DROP CLOSING PLUG DISPLACE WITH WATER 88.19 BBLS @ 4 BPM BUMP WITH 650 PSI TO 2,150 PSI HELD 5 MINS. @ 23:55, RELEASE PRESSURE GOT 1 BBL BACK. [DID NOT GET CEMENT BACK TO SURFACE] RIG DOWN HALLIBURTON STEEL LINES. { NOTIFIED TRRC WILL RUN TEMPERATURE SURVEY LOG }. NIPPLE DOWN 20" CONDUCTOR TOOK FLOW LINE AND TURN BUCKLES OFF PICK UP SAME TO MAKE ROUGH CUT ON 9 5/8 CSG. MADE ROUGH CUT ON 9 5/8 CSG AND LAYED OUT CUT OFF 9 5/8 CSG. MADE FINAL CUT ON 9 5/8 CSG AND INSTALL WELL HEAD AND WELDED ON TO 9 5/8 CSG.[TESTED HEAD TO 900 PSI GOOD TEST] INSTALL 11" 5K DSA AND 13 5/8 10K SPOOL.



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Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.95	28

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,682.00	1.30	76.50	4,680.22	35.40	74.61	35.40	0.26
4,777.00	2.30	88.30	4,775.17	35.71	77.56	35.71	1.12
4,871.00	1.20	80.30	4,869.13	35.93	80.42	35.93	1.20
4,966.00	0.40	51.00	4,964.12	36.31	81.66	36.31	0.92
5,052.00	0.50	17.40	5,050.12	36.85	82.00	36.85	0.32

Daily Summary

Report Start Date 5/25/2017 06:00	Report End Date 5/26/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 5,098.0	Daily Field Est Total (Cost) 203,895.49	Cum Field Est To Date (Cost) 613,453.00
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Activity
RIG REPAIR

24hr Activity

Com
NIPPLE UP BOP'S. HELD PJSM WITH SCAN, VAUGHN WIRE LINE, XTO REP. RIG UP SHEAVES AND RUN TEMPERATURE LOG. FOUND TOP OF CEMENT @ 40'. RIG DOWN WIRE LINE. {NOTIFIED JEFF MORGAN @ TRRC WITH RESULTS. WAS TOLD TO GO AHEAD AND TOP OUT CEMENT.} NIPPLE UP KILL LINE, ANACONDA LINE TO CHOKE MANIFOLD, NIPPLE UP ROTATING HEAD ASSEMBLY. HELD PJSM WITH SCAN, HALLIBURTON, XTO REP. RIG UP 1" LINES, RUN DOWN BETWEEN CONDUCTOR PIPE AND 9 5/8" CASING. RIG UP HALLIBURTON LINES AND TOP OFF WITH CEMENT. PUMPED 35 BBLS, 147 SKS PREMIUM PLUS-C TOP OUT CEMENT, 14.8 PPG, YIELD 1.332 FT3/SK, @ 1.5 BBL/MIN., WATER MIX 6.42 GAL/SK. CIRCULATED 15 BBLS, 63 SKS OF TOP OUT CEMENT TO SURFACE. RIG DOWN HALLIBURTON AND 1" LINES. HELD PJSM WITH SCAN, BATTLE TESTERS, XTO REP. RIG UP TESTER. TEST CHOKE MANIFOLD AND RELATED VALVES 250 PSI LOW 5000 PSI HIGH. TEST PIPE RAM'S, BLIND RAM'S, 250 LOW, 5000 HIGH. TEST ANNULAR 250 LOW, 3000 HIGH. SERVICE RIG AND TOP DRIVE. REPAIR HYD LINE ON TOP DRIVE FOR GRIPPER. TESTED TIW VALVE AND MANUAL TIW ON TOP DRIVE & I-BOB TO 250 LOW AND 3,500 HIGH. ATTEMPT TO TEST 4" VALVES ON MUD PUMP WOULD NOT HOLD. HAD TO TAKE DART AND SPRING OUT OF CHECK VALVE ON KILL LINE TO CHECK FOR PLUGGED VALVE. OK. TESTED CSG TO 1,500 PSI HELD 30 MINS [GOOD TEST] CHANGE OUT VALVE GATE & RUBBERS IN BOTH PUMPS ATTEMPT TO TEST #1 PUMP WAS LEAKING THOUGH 2" BLED OFF. HAD TO CHANGE OUT RUBBER AGAIN WAS CUT.

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Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.20	28

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,682.00	1.30	76.50	4,680.22	35.40	74.61	35.40	0.26
4,777.00	2.30	88.30	4,775.17	35.71	77.56	35.71	1.12
4,871.00	1.20	80.30	4,869.13	35.93	80.42	35.93	1.20
4,966.00	0.40	51.00	4,964.12	36.31	81.66	36.31	0.92
5,052.00	0.50	17.40	5,050.12	36.85	82.00	36.85	0.32

Daily Summary			
Report Start Date 5/26/2017 06:00	Report End Date 5/27/2017 06:00	Footage (ftKB) 10.00	End Depth (ftKB) 5,108.0
Activity WASH AND REAM TO 5,108'.		Daily Field Est Total (Cost) 28,740.00	Cum Field Est To Date (Cost) 642,193.00

24hr Activity
Com

WHILE WAITING ON PUMP PARTS FOR 4" VALVES AND REPAIRING VALVES, INSTALL WEAR BUSHING.
INSTALL TRIP NIPPLE WHILE REPAIRING PUMP VALVES.
MAKE UP SMITH 8 3/4" FH47 SER # RJ1743, BIT SUB.
TRIP IN HOLE T/1,100'.
SERVICE TOP DRIVE AND RIG.
CHANGE OUT 2" VALVE AND POP-OFF VALVE ON #1 MUD PUMP.
TEST 4" VALVES ON MUD PUMP'S 250 LOW 5000 HIGH. {TEST GOOD} OVER 12 HOUR LIMIT ON NIPPLE UP AND TEST.
DRILL CEMENT AND DV TOOL. TAGGED CEMENT @ 1,125'. DV TOOL @ 1,160'. WENT TO 1,168'.
WOB 15, SPP 900, RPM 70, GPM 520, TQ: 1200
CIRCULATE HOLE CLEAN
TEST CASING BELOW DV TOOL @ 1500 PSI FOR 30 MINUTES. GOOD TEST.
TRIP IN HOLE FROM 1,168' TO 4,963' TAGGED CEMENT.
DRILL CEMENT AND FLOAT EQUIPMENT F/4,963 T/5,098'. WOB 18, SPP 935, RPM 80, GPM 520, TQ: 1975
DRILL NEW FORMATION F/5,098' T/5,108'. WOB 18, SPP 935, RPM 80, GPM 520, TQ: 1975
CIRCULATE HOLE CLEAN
PERFORM FIT TO 10 PPG EMW WITH 9.2 PPG MUD, 212 PSI. GOOD TEST.
TOOH F/5,108' T/ BIT' TO PICK MUD MOTOR ASSEMBLY.
BROKE BIT RR#2 OFF AND BIT SUB.
LAY OUT BIT & BIT SUB & LOADED PIPE RACK WITH DIRECTIONAL TOOL.
.PICK UP 6 3/4 M/M AND X-OVER MADE UP SAME AND PICK UP MONEL AND UBHO SUB INSTALL MWD AND SCRIBE.
(TESTED MWD & M/M GOOD TEST)
MADE UP 8 3/4 BIT #4 TK76 WITH 7 JETS TFA @ .773 AND TRIP IN HOLE PICKING UP STABILIZERS & SHOCK SUB PUTTING STAB AT 60' FT & 90'
FT.TRIP IN HOLE FILLING UP EVERY 30 STDS.
WASH AND REAM F/ 5,096' TO 5,108'.



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Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.30	28

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
4,966.00	0.40	51.00	4,964.12	36.31	81.66	36.31	0.92
5,052.00	0.50	17.40	5,050.12	36.85	82.00	36.85	0.32
5,544.00	0.70	346.80	5,542.09	41.83	81.96	41.83	0.08
6,015.00	0.60	247.70	6,013.07	43.69	79.02	43.69	0.21
6,487.00	0.50	298.40	6,485.05	43.74	74.92	43.74	0.10

Daily Summary

Report Start Date 5/27/2017 06:00	Report End Date 5/28/2017 06:00	Footage (ftKB) 1,655.00	End Depth (ftKB) 6,763.0	Daily Field Est Total (Cost) 20,515.00	Cum Field Est To Date (Cost) 662,708.00
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Activity
CHECKING OUT SURFACE EQUIPMENT.

24hr Activity

Com
ROTATE WITH SURVEY'S F/5,108' T/5,981', 873' @ 83 FT/HR. WOB 25, RPM 100, TQ: 9 K, SPP 2300, DIFF. 250, GPM 575, MMRPM 132. SERVICE RIG AND TOP DRIVE. GET SLOW PUMP RATE'S. ROTATE WITH SURVEY'S F/5,981' T/ 6,763', { 782' @ 62.56 FT/HR }. WOB 25, RPM 100, TQ: 9 K, SPP 2300, DIFF. 350, GPM 575, MMRPM 132 BACK REAMING ONE TIME. LOSS 450 PSI WHILE DRILLING CHECKING OUT SURFACE EQUIPMENT. CHECKING OUT SURFACE EQUIPMENT FOR PRESSURE LOSS.



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Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.40	29

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/28/2017 06:00	Report End Date 5/29/2017 06:00	Footage (ftKB)	End Depth (ftKB)	Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)
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Activity
TRIP OUT HOLE PRESSURE LOSS

24hr Activity

Com

TOOH FOR PRESSURE LOSS F/6,763' T/3,403'. FOUND BEGINNING OF A WASHOUT IN TOOL JOINT ON BOTTOM OF STAND 36 AND TOP OF STAND 37 OUT. LAYED DOWN 2 JOINTS OF DRILL PIPE. CONTINUE TO TOO H FOR WASHOUT F/ 3,403' T/3,026'. FOUND WASHOUT AT 40 STANDS AND A DOUBLE OUT IN SLIP AREA. LAY DOWN WASHED OUT JOINT. SCREW INTO TO DRILL PIPE WITH TOP DRIVE AND CHECK PRESSURE {OK}. HOLE TAKING PROPER FILL PULLING WET STRING ON TRIP TANK.

SERVICE TOP DRIVE AND RIG.

TIH F/3,026' T/ 6,763'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE @ 30 STANDS.

ROTATE WITH SURVEY'S F/6,763' T/ 7,689', 936' @ 53.42 FT/HR . WOB 30, RPM 100, TQ: 15 K, SPP 2450, DIFF. 250, GPM 575, MMRPM 132 BACK REAMING ONE TIME. LOSS PRESSURE CHECK SURFACE EQUIPMENT. LOST 300 PSI. [CHECK OUT OK]

POOH FOR WASH OUT.



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Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.30	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
6,015.00	0.60	247.70	6,013.07	43.69	79.02	43.69	0.21
6,487.00	0.50	298.40	6,485.05	43.74	74.92	43.74	0.10
6,968.00	0.80	266.40	6,966.02	44.52	69.72	44.52	0.10
7,428.00	1.00	244.50	7,425.97	42.59	62.90	42.59	0.09
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09

Daily Summary

Report Start Date 5/29/2017 06:00	Report End Date 5/30/2017 06:00	Footage (ftKB) 459.00	End Depth (ftKB) 8,148.0	Daily Field Est Total (Cost) 20,515.00	Cum Field Est To Date (Cost) 716,219.40
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Activity
DRILL ROTATE @ 8,148'.

24hr Activity

Com
TOOH FOR PRESSURE LOSS. FOUND WASHOUT @ 6,766', TOP OF 11th STAND IN SLIP AREA. HOLE TAKING PROPER FILL ON TRIP TANK PULLING WET STRING.
LAY DOWN WASHED OUT JOINT AND REPLACE SAME. PRESSURE TEST DRILL STRING {OK}.
TIH F/6,766' T/ 7,689'. HOLE GIVING PROPER DISPLACEMENT.
DRILL ROTATE F/7,689' T/ 7,720', 31' @ 31 FT/HR . WOB 30, RPM 100, TQ: 15 K, SPP 2450, DIFF. 250, GPM 575, MMRPM 132.
SERVICE RIG AND TOP DRIVE.
TROUBLE SHOOT ELECTRICAL ISSUES WITH CANRIG TOP DRIVE. TOP DRIVE SHUTTING DOWN ROTATING.ELECTRICAN FOR SCAN CALLED OUT, COULD NOT FIX ISSUE, CALLED CANRIG TECH TO RESOLVE PROBLEM. WAIT ON CANRIG. RACK BACK 1 STAND AND CIRCULATE, MOVE PIPE @ 7,668'. GPM 272, SPP 690.
TOOH F/7,68' T/ 5,098'. HOLE TAKING PROPER FILL ON TRIP TANK.
CANRIG TECH ARRIVED ON LOCATION @ 16:00. REPAIR TOP DRIVE ELECTRICAL ISSUES. FOUND CARD ON MOTHER BOARD IN TOP DRIVE HOUSE HAD VIBRATED LOOSE CAUSING SIGNAL TO BE LOST TO TOP DRIVE ENCODER.
TIH F/5,098' T/7,220'. HOLE GIVING PROPER DISPLACEMENT.
DRILL ROTATE WITH SURVEY'S F/7,220' T/ 8,148", 428' @ 40.76 FT/HR . WOB 30, RPM 100, TQ: 15 K, SPP 2,620, DIFF. 250, GPM 575, MMRPM 132.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/30/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.30	29

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
6,968.00	0.80	266.40	6,966.02	44.52	69.72	44.52	0.10
7,428.00	1.00	244.50	7,425.97	42.59	62.90	42.59	0.09
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18

Daily Summary			
Report Start Date 5/30/2017 06:00	Report End Date 5/31/2017 06:00	Footage (ftKB) 619.00	End Depth (ftKB) 8,767.0
Activity		Daily Field Est Total (Cost) 20,515.00	Cum Field Est To Date (Cost) 736,734.40

TRIP OUT OF HOLE FOR BIT @ 704'

24hr Activity
Com
DRILL ROTATE WITH SURVEY'S F/8,148' T/ 8,336', 188' @ 37.6 FT/HR . WOB 33, RPM 100, TQ: 15 K, SPP 2,650, DIFF. 250, GPM 575, MMRPM 132.
SERVICE RIG AND TOP DRIVE.
DRILL ROTATE WITH SURVEY'S F/8,336' T/ 8,482, 146' @ 41.7 FT/HR . WOB 33, RPM 100, TQ: 15 K, SPP 2,650, DIFF. 250, GPM 575, MMRPM 132.
CHECK SURFACE EQUIPMENT FOR PRESSURE LOSS. LOST 275 PSI.
TOOH FOR PRESSURE LOSS F/ 8,482' T/ 7,520'. FOUND WASHOUT IN SLIP AREA 3' 4 1/2" FROM BOX ON TOP OF STAND 11. LAY DOWN WASHED OUT JOINT AND REPLACE SAME. PRESSURE TEST STRING FOR CORRECT PRESSURE 2,450 OFF BOTTOM. HOLE TAKING PROPER FILL ON TRIP TANK PULLING WET STRING.
TIH F/7,520' T/8,482'. HOLE GIVING PROPER DISPLACEMENT.
DRILL ROTATE WITH SURVEY'S F/8,482' T/ 8,767', 285' @ 33.52' FT/HR . WOB 40, RPM 100, TQ: 13,450 K, SPP 2,750, DIFF. 270, GPM 575, MMRPM 132.
TOOH FOR BIT F/ 8,767' T/704'. HOLE TAKING PROPER FILL ON TRIP TANK.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/31/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.30	29

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NT Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
6,968.00	0.80	266.40	6,966.02	44.52	69.72	44.52	0.10
7,428.00	1.00	244.50	7,425.97	42.59	62.90	42.59	0.09
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18

Daily Summary				
Report Start Date 5/31/2017 06:00	Report End Date 6/1/2017 06:00	Footage (ftKB) 237.00	End Depth (ftKB) 9,004.0	Daily Field Est Total (Cost) 45,226.28
Cum Field Est To Date (Cost) 781,960.68				

Activity
TRIP IN HOLE T/8,977'

24hr Activity
Com
TOOH W/BHA. L/D STABILIZERS, SHOCK SUB. DRAIN MOTOR, BREAK BIT. 3/4" SLACK IN MUD MOTOR, ALLEN SCREW MISSING ON MOTOR BODY. KICK PAD HAD WEAR. HOLE TAKING PROPER FILL ON TRIP TANK. FUNCTION BOP'S.
L/D MUD MOTOR, MWD, PULLED MULE SHOE. DISCOVERED WEAR ON MWD BARREL.
SERVICE RIG, TOP DRIVE, GREASE CROWN.
BUILD AND PROGRAM NEW MWD TOOL. PICK UP WEATHERFORD MUD LUBE 6 3/4" FIXED MUD MOTOR, 7:8 LOBE, 5.7 STAGE, 0.22 REV/GAL. BTB 6.07', BTS 50'. M/U UBHO, INSTALL MULE SHOE, SCRIBE MOTOR. M/U MONEL, INSTALL MWD AND SURFACE TEST SAME. {OK}. MAKE UP ULTERRA 8 3/4" U716M SER. # 35596. TIH W/BHA PICKING BACK UP STABILIZER'S AND SHOCK SUB T/713.20'.
TIH F/713' T/8,722'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS.
WASH AND REAM F/8,722' T/8,767'.
DRILL ROTATE WITH SURVEY'S F/8,767' T/9004', 237' @ 39.5 FT/HR . WOB 30, RPM 75, TQ: 10,500 K, SPP 2,750, DIFF. 270, GPM 575, MMRPM 132.
TROUBLE SHOOT FOR WASHOUT IN DRILL STRING. CHECK ALL SURFACE EQUIPMENT, DETERMINED PRESSURE LOST WAS IN DRILL STRING. (275 PSI LOST)
TOOH F/9004' TO 3770'. HOLE TAKING PROPER FILL ON TRIP TANK PULLING WET STRING. { FOUND WASHOUT 57 STANDS OUT IN DRILL PIPE IN MIDDLE OF TUBE } LAYDOWN JOINT OF DRILL PIPE WITH WASHOUT.
TIH F/3,770' T/8,977'. HOLE GIVING PROPER DISPLACEMENT.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/14/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/14/2017 00:30	Report End Date 5/14/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost)	Cum Field Est To Date (Cost)
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Activity

24hr Activity

Com
RIG DOWN AND PREPARE TO LAYDOWN TOP DRIVE



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/1/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.30	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
7,428.00	1.00	244.50	7,425.97	42.59	62.90	42.59	0.09
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18
9,227.00	0.90	295.50	9,224.81	39.35	40.76	39.35	0.06

Daily Summary

Report Start Date 6/1/2017 06:00	Report End Date 6/2/2017 06:00	Footage (ftKB) 371.00	End Depth (ftKB) 9,375.0	Daily Field Est Total (Cost) 33,640.00	Cum Field Est To Date (Cost) 815,600.68
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Activity
SLIP AND CUT DRILL LINE

24hr Activity

Com
FILL PIPE, WASH AND REAM F/8,977' T/9,004' FOR SAFETY.
DRILL ROTATE WITH SURVEY'S F/9,004' T/9,193', 189' @ 31.5 FT/HR . WOB 35, RPM 80, TQ: 10,500 K, SPP 2,750, DIFF. 200, GPM 575, MMRPM 132.
SERVICE RIG AND TOP DRIVE.
DRILL ROTATE WITH SURVEY'S F/9,193' T/9,375', 182' @ 26 FT/HR . WOB 40, RPM 80, TQ: 10,500 K, SPP 2,750, DIFF. 200, GPM 575, MMRPM 132. {PENETRATION DROPPED TO 9 FT/HR. TRACES OF CHERT IN SAMPLES @ 9,150', 9,330', AND 9,360'.}
CHECK FLOW {OK}. TOOH F/ 9,376' T/713'. HOLE TAKING PROPER FILL ON TRIP TANK PULLING WET STRING.
TOOH F/713' TO BIT. LAY DOWN STABILIZERS, SHOCK SUB. DRAIN MOTOR, BREAK BIT. HOLE TAKING PROPER FILL ON TRIP TANK. FUNCTION BOP'S.
MAKE UP 8 3/4" PDC LOGIC HF-43 SB ROLLER CONE SER# K20161 ON RE-RUN WEATHERFORD MUD MOTOR. TIH WITH BHA PICKING UP STABILIZERS AND SHOCK SUB T/713'. HOLE GIVING PROPER DISPLACEMENT.
TIH F/713' T/5,098'. FILLING PIPE EVERY 30 STANDS. HOLE GIVING PROPER DISPLACEMENT.
SLIP AND CUT DRILL LINE 92'.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/2/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.25	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
7,428.00	1.00	244.50	7,425.97	42.59	62.90	42.59	0.09
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18
9,227.00	0.90	295.50	9,224.81	39.35	40.76	39.35	0.06

Daily Summary

Report Start Date 6/2/2017 06:00	Report End Date 6/3/2017 06:00	Footage (ftKB) 229.00	End Depth (ftKB) 9,604.0	Daily Field Est Total (Cost) 21,155.00	Cum Field Est To Date (Cost) 836,755.68
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Activity
TOOH FOR BIT @7,307'

24hr Activity

Com
FINISH CUTTING DRILL LINE. CALIBRATE BLOCKS. SERVICE RIG, TOP DRIVE, GREASE CROWN. PULL TRIP NIPPLE, INSTALL ROTATING HEAD ELEMENT. TIH F/5,098' T/ 9,375'. FILL PIPE EVERY 30 STANDS. HOLE GIVING PROPER DISPLACEMENT. DRILL ROTATE WITH SURVEY'S F/9,375' T/9,604', 229' @ 12.4 FT/HR . WOB 32, RPM 75, TQ: 10,250 K, SPP 2,550, DIFF. 100, GPM 575, MMRPM 132. (CHECK FOR FLOW) TOOH F/9,604' T/8,708'. HOLE TAKING PROPER FILL ON TRIP TANK. PULL ROTATING HEAD AND INSTALL TRIP NIPPLE TOOH F/8,708' T/7,307'. HOLE TAKING PROPER FILL ON TRIP TANK.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/3/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.30	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18
9,227.00	0.90	295.50	9,224.81	39.35	40.76	39.35	0.06
9,697.00	1.00	255.90	9,694.75	39.94	33.45	39.94	0.14

Daily Summary

Report Start Date 6/3/2017 06:00	Report End Date 6/4/2017 06:00	Footage (ftKB) 159.00	End Depth (ftKB) 9,763.0	Daily Field Est Total (Cost) 287,884.91	Cum Field Est To Date (Cost) 1,124,640.59
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Activity
DRILL ROTATE @ 9763'

24hr Activity

Com
TOOH F/7,307' T/ BIT. HOLE TAKING PROPER FILL ON TRIP TANK PULLING WET STRING. DRAIN MOTOR, BREAK BIT. MAKE UP BIT #7 8 3/4" SMITH FH47HY SER. # RJ1075 AND RE-RUN WEATHERFORD MUD MOTOR. TIH T/77'. SERVICE RIG AND TOP DRIVE. TIH F/77' T/5,171'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS REMOVE TRIP NIPPLE, INSTALL ROTATING HEAD ELEMENT. TIH F/5,171' T/9,475'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS. WASH AND REAM F/9,475' T/9,604' FOR SAFETY. DRILL ROTATE WITH SURVEY'S F/9,604' T/9,763', 159' @ 12.2 FT/HR . WOB 20, RPM 70, TQ: 8,500 K, SPP 2,300, DIFF. 50, GPM 546, MMRPM 120.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/4/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.40	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
7,899.00	0.60	251.70	7,896.92	40.05	56.84	40.05	0.09
8,370.00	0.90	243.90	8,367.88	37.65	51.18	37.65	0.07
8,702.00	0.60	283.80	8,699.85	36.91	47.15	36.91	0.18
9,227.00	0.90	295.50	9,224.81	39.35	40.76	39.35	0.06
9,697.00	1.00	255.90	9,694.75	39.94	33.45	39.94	0.14

Daily Summary

Report Start Date 6/4/2017 06:00	Report End Date 6/5/2017 06:00	Footage (ftKB) 191.00	End Depth (ftKB) 9,954.0	Daily Field Est Total (Cost) 20,630.00	Cum Field Est To Date (Cost) 1,145,270.59
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Activity

TRIP OUT OF HOLE T/711'.

24hr Activity

Com

DRILL ROTATE WITH SURVEY'S F/9,763' T/9,851', 88' @ 13.5 FT/HR . WOB 25, RPM 70, TQ: 9K, SPP 2,350, DIFF. 75, GPM 546, MMRPM 120.
SERVICE RIG AND TOP DRIVE.

DRILL ROTATE WITH SURVEY'S F/9,851' T/9,885', 34' @ 11.3 FT/HR . WOB 28, RPM 70, TQ: 9K, SPP 2,250, DIFF. 50, GPM 546, MMRPM 120.
CHECK SURFACE EQUIPMENT FOR PRESSURE LOSS OF 315 PSI. {OK}. TOOH F/9,885 T/8,443'. FOUND WASH OUT IN TOP OF STAND #17. 1'5" BELOW BOX.

LAY DOWN WASHED JOINT AND REPLACE SAME. PRESSURE TEST STRING {OK}.

TIH F/8,443' T/9,885'. HOLE GIVING PROPER DISPLACEMENT.

DRILL ROTATE WITH SURVEY'S F/9,885' T/9954', 191' @ 12 FT/HR . WOB 28, RPM 70, TQ: 9K, SPP 2,250, DIFF. 50, GPM 546, MMRPM 120.
CHECK WELL FOR FLOW AND TOOH F/9954' T/9500' (HOLE TAKING PROPER FILL)

PULL ROT. HEAD AND INSTALL TRIP NIPPLE

TOOH F/9500' T/711' HOLE TAKING CORRECT FILL



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/5/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.45	29

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
9,227.00	0.90	295.50	9,224.81	39.35	40.76	39.35	0.06
9,697.00	1.00	255.90	9,694.75	39.94	33.45	39.94	0.14
9,980.00	1.00	289.50	9,977.71	40.16	28.73	40.16	0.20
10,084.00	2.50	292.40	10,081.66	41.33	25.77	41.33	1.44
10,103.00	2.90	292.80	10,100.63	41.67	24.95	41.67	2.11

Daily Summary				
Report Start Date 6/5/2017 06:00	Report End Date 6/6/2017 06:00	Footage (ftKB) 305.00	End Depth (ftKB) 10,259.0	Daily Field Est Total (Cost) 48,460.83
Cum Field Est To Date (Cost) 1,193,731.42				

Activity
DRILL SLIDE @ 10259'

24hr Activity
Com
TOOH F/711' TO BIT. HOLE TAKING PROPER FILL ON TRIP TANK. FUNCTION BOP'S. DRAIN MOTOR, BREAK BIT. LAY DOWN MOTOR, PICK UP NEW WEATHERFORD MUD MOTOR 7:8 LOBE, 5.6 STAGE, 1.5° FIXED SLICK, REV/GAL .22, BIT TO BEND 5.90', BIT TO MWD 45'. SCRIBE MOTOR, INSTALL MWD AND TEST SAME. MAKE UP BIT # 8SMITH 8 3/4" MDSi713, AND TIH T/ 72.5'. SERVICE RIG, TOPDRIVE, GREASE CROWN. TIH F/72.5' T/9,564'. HOLE GIVING PROPER DISPLACEMENT. FILLING PIPE EVERY 30 STANDS. PULL TRIP NIPPLE, INSTALL ROTATING HEAD ELEMENT. TIH F/9,564' T/9,954. DRILL ROTATE WITH SURVEY'S F/9,954' T/10,223', 269' @ 36 FT/HR . WOB 20, RPM 85, TQ: 12,775K, SPP 2700, DIFF. 225, GPM 575, MMRPM 127. FLOW CHECK WELL AND TOOH F/10,223' T/3,278' (LOST 300 PSI OF PUMP PRESS.) WASHOUT WAS FOUND IN SLIP AREA OF DOUBLE ON STAND 75 DRILL PIPE. (HOLE TOOK PROPER FILL ON TRIP) TIH F/3,278' T/10,223'. HOLE GIVING PROPER DISPLACEMENT. HOLE INCLINATION @10,103' SURVEY DEPTH 2.9°. SLIDE DRILL F/10,223' T/10,259'. 36' @ 24 FT/HR . WOB 20, SPP 2600, DIFF. 200, GPM 575, MMRPM 127. TFO @ 100° RIGHT

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 6/6/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.25	28

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
10,326.00	1.50	309.40	10,323.44	45.80	17.03	45.80	0.34
10,358.00	1.20	321.20	10,355.44	46.33	16.50	46.33	1.27
10,452.00	1.60	294.70	10,449.41	47.64	14.69	47.64	0.80
10,484.00	1.50	288.10	10,481.40	47.96	13.89	47.96	0.64
10,547.00	1.60	291.30	10,544.37	48.53	12.28	48.53	0.21

Daily Summary			
Report Start Date 6/6/2017 06:00	Report End Date 6/7/2017 06:00	Footage (ftKB) 441.00	End Depth (ftKB) 10,700.0
Activity		Daily Field Est Total (Cost) 32,825.44	Cum Field Est To Date (Cost) 1,226,556.86

TRIP OUT OF HOLE @ 6168' PRESSURE LOSS

24hr Activity
Com
DRILL SLIDE F/10,259' T/10,286'. 27' @ 27 FT/HR . WOB 18, SPP 2600, DIFF. 200, GPM 575, MMRPM 127. TF @ 100° RIGHT
DRILL ROTATE WITH SURVEY'S F/10,286' T/10,507', 221' @ 27.6 FT/HR . WOB 18, RPM 85, TQ: 13,565K, SPP 2700, DIFF. 225, GPM 575, MMRPM 127.
SERVICE RIG AND TOP DRIVE. CHANGE SWAB #1 PUMP #1 CYLINDER.
DRILL ROTATE WITH SURVEY'S F/10,507' T/10,601', 94' @ 31.3 FT/HR . WOB 25, RPM 85, TQ: 14,465K, SPP 2700, DIFF. 225, GPM 575, MMRPM 127.
CHECK SURFACE EQUIPMENT. TOO H FOR PRESSURE LOSS OF 300 PSI F/10,601' T/3658'. HOLE TAKING PROPER FILL PULLING WET STRING. FOUND WASHOUT 68- STANDS AND SINGLE OUT.
LAYDOWN AND REPLACE WASHED OUT JOINT OF DRILL PIPE AND TIH F/3658' T/10601'.
DRILL ROTATE WITH SURVEY'S F/10,601' T/10,700', 99' @ 49.5 FT/HR . WOB 25, RPM 85, TQ: 14,465K, SPP 2675, DIFF. 225, GPM 575, MMRPM 127.
CHECK SURFACE EQUIPMENT. TOO H FOR PRESSURE LOSS OF 300 PSI F/10,601' T/6168'. HOLE TAKING PROPER FILL PULLING WET STRING.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/7/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.40	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
10,452.00	1.60	294.70	10,449.41	47.64	14.69	47.64	0.80
10,484.00	1.50	288.10	10,481.40	47.96	13.89	47.96	0.64
10,547.00	1.60	291.30	10,544.37	48.53	12.28	48.53	0.21
10,640.00	1.90	284.40	10,637.33	49.39	9.58	49.39	0.39
10,736.00	1.70	284.70	10,733.28	50.15	6.66	50.15	0.21

Daily Summary

Report Start Date 6/7/2017 06:00	Report End Date 6/8/2017 06:00	Footage (ftKB) 239.00	End Depth (ftKB) 10,939.0	Daily Field Est Total (Cost) 21,380.00	Cum Field Est To Date (Cost) 1,247,936.86
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Activity
TIH @ 4000'

24hr Activity

Com
POOH FOR WASHOUT FOUND SAME @ 9001' IN SLIP AREA REPLACED SAME TIH TO CASING SHOE SLIP AND CUT 90' OF DRILL LINE SERVICE RIG FINISHED TIH T/10695' FILLED DRILL PIPE AND DRILL ROTATE WITH SURVEY'S F/10,695' T/10,884', 269' @ 59.7 FT/HR . WOB 25, RPM 100, TQ: 14,465K, SPP 2675, DIFF. 225, GPM 575, MMRPM 127 POOH FOR WASHOUT F/10884' T/4346' (FOUND WASH OUT IN SLIPE AREA 6538' 70 STANDS) TIH T/10884' DRILL ROTATE WITH SURVEY'S F/10,884' T/10,939', 55' @ 36.6 FT/HR . WOB 25, RPM 100, TQ: 14,465K, SPP 2650, DIFF. 220, GPM 575, MMRPM 127 POOH FOR WASHOUT F/10939' T/3378' (FOUND WASH OUT IN SLIPE AREA @ 7,564' 81 STANDS + SINGLE) TIH F/3378' T/4000'



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/8/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.40	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
10,484.00	1.50	288.10	10,481.40	47.96	13.89	47.96	0.64
10,547.00	1.60	291.30	10,544.37	48.53	12.28	48.53	0.21
10,640.00	1.90	284.40	10,637.33	49.39	9.58	49.39	0.39
10,736.00	1.70	284.70	10,733.28	50.15	6.66	50.15	0.21
10,883.00	2.30	275.10	10,880.19	50.96	1.61	50.96	0.47

Daily Summary

Report Start Date 6/8/2017 06:00	Report End Date 6/9/2017 06:00	Footage (ftKB) 124.00	End Depth (ftKB) 11,063.0	Daily Field Est Total (Cost) 21,380.00	Cum Field Est To Date (Cost) 1,269,316.86
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Activity
LAYING DOWN DRILL PIPE @ 1000'

24hr Activity

Com
TIH F/ 3374' TO 10938' FILLING DRILL PIPE EVERY 40 STDs. CIRCULATING WHILE WAITING ON A NEW STRING OF DRILL PIPE TO ARRIVE DRILL ROTATE WITH SURVEY'S F/10,939' T/11,063',124' @ 19 FT/HR . WOB 20, RPM 80, TQ: 12,465K, SPP 2175, DIFF. 150, GPM 510, MMRPM 127 POOH FOR WASHOUT F/11063' T/9941' (TOOH FOR WASHOUT) NEW STRING OF DRILL PIPE ARRIVED ON LOCATION AND DECISION WAS MADE TO LAYDOWN DRILL PIPE AND CHANGE IT OUT. FLOW CHECKED WELL AND PUMPED SLUG LAYDOWN DRILL PIPE F/9941' T/1365' (WASHOUT WAS FOUND IN SLIP AREA OF PIPE @ 5519' 52 STANDS AND DOUBLE) TIH DRILL PIPE OUT OF DERICK F/1365' T/2211' LAYDOWN DRILL PIPE F/2211' T/1000'



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/9/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.50	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
10,484.00	1.50	288.10	10,481.40	47.96	13.89	47.96	0.64
10,547.00	1.60	291.30	10,544.37	48.53	12.28	48.53	0.21
10,640.00	1.90	284.40	10,637.33	49.39	9.58	49.39	0.39
10,736.00	1.70	284.70	10,733.28	50.15	6.66	50.15	0.21
10,883.00	2.30	275.10	10,880.19	50.96	1.61	50.96	0.47

Daily Summary

Report Start Date 6/9/2017 06:00	Report End Date 6/10/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 11,063.0	Daily Field Est Total (Cost) 21,380.00	Cum Field Est To Date (Cost) 1,290,696.86
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Activity
PICKING UP DRILL PUPE @ 6500'

24hr Activity

Com
PULLED ROTATEING HEAD RUBBER AND INSTALL TRIP NIPPLE CONTINUE LAYING DOWN DRILL PIPE L/D 6 1/2 DRILL COLLARS L/D DIRECTIONAL TOOLS SERVICE RIG BROKE OFF TEST PLUG OFF OF DRILL PIPE WAIT ON QES DIRECTIONAL DRILLER P/U 6 1/2" 2.12° FIXED MUD MOTOR, UBHO SUB, MONEL AND MWD TOOL. OREINT TOOLS & MAKE UP 8.75" ULTERRA U613M BIT PICKING UP 5" DRILL PIPE TO 6500'

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 6/10/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.50	29

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
10,736.00	1.70	284.70	10,733.28	50.15	6.66	50.15	0.21
10,883.00	2.30	275.10	10,880.19	50.96	1.61	50.96	0.47
11,000.00	2.30	273.63	10,997.10	51.32	-3.07	51.32	0.05
11,100.00	2.41	267.84	11,097.01	51.37	-7.17	51.37	0.26
11,140.00	2.51	269.07	11,136.98	51.32	-8.89	51.32	0.28

Daily Summary

Report Start Date 6/10/2017 06:00	Report End Date 6/11/2017 06:00	Footage (ftKB) 310.00	End Depth (ftKB) 11,373.0	Daily Field Est Total (Cost) 42,504.66	Cum Field Est To Date (Cost) 1,333,201.52
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Activity
DRILL ROTATE @ 11,373'

24hr Activity

Com
PICK UP 5" DRILL PIPE F/6240' T/11,046'
PICK UP ROTATING HEAD
FILL PIPE, BREAK CIRC. & WASH F/11046' T/11063'
DRILL F/11063' T/11248' WOB 25K, GPM 510, PP 2500 PSI, DIFF 250 PSI, ROT 50, 8500
CIRCULATE BOTTOMS UP
RUN WIRELINE GYRO SURVEYS THOUGH DRILL PIPE F/SURFACE T/ 11,140'
ROT. & SLIDE DRILL F/11063' T/11,373' WOB 25K, GPM 510, PP 2500 PSI, DIFF 250 PSI, ROT 50, 8500



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/14/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/14/2017 06:00	Report End Date 5/15/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost) 75,525.00	Cum Field Est To Date (Cost) 75,525.00
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Activity
RIGGING DOWN & MOVE

24hr Activity

Com
L/D TOP DRIVE AND RIGGING DOWN AND PREPARING TO L/D DERRICK LAY OVER DERRICK , RIG DOWN RIG FLOOR, PRE-PARE DERRICK TO BE SET OFF RIG FLOOR, SHUT DOWN AND WAIT ON DAYLIGHT



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/11/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
9.60	28

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
11,140.00	2.51	269.07	11,137.12	51.05	-9.69	28.84	0.28
11,185.00	2.10	233.60	11,182.09	50.55	-11.34	30.16	3.24
11,279.00	3.30	231.80	11,275.98	47.85	-14.85	32.34	1.28
11,373.00	3.10	213.70	11,369.84	44.07	-18.39	34.12	1.09
11,403.00	3.30	210.70	11,399.79	42.65	-19.28	34.39	0.87

Daily Summary			
Report Start Date 6/11/2017 06:00	Report End Date 6/12/2017 06:00	Footage (ftKB) 48.00	End Depth (ftKB) 11,421.0
Activity CHANGING OUT BHA		Daily Field Est Total (Cost) 18,935.00	Cum Field Est To Date (Cost) 1,345,596.52

24hr Activity
Com
ROTATE F/ 11373' TO 11421' WOB-25, RPM-50, PSI-2600, DIFF-300, TQ.-8K, GPM-500 SERVICE RIG & TOPDRIVE BUILDING CURVE F/ 11421' TO 11706' WOB-20, PSI-3000, DIFF-250, GPM-600, TF-45L CIRCULATE, FLOW CHECK AND PUMP SLUG POOH TO BHA (LOW MOTOR YEILDS; NEEDING 12.2° A 100' TO LAND MOTOR GIVING 5'S) PULL MWD TOOL, DRAIN MOTOR, BREAK OFF BIT & LAYDOWN 2.12° 6 1/2" FIXXED MOTOR



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/12/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.30	28

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
11,753.00	22.90	159.90	11,742.06	-21.10	-9.59	18.77	12.42
11,784.00	26.80	157.10	11,770.19	-33.21	-4.79	31.59	13.14
11,816.00	31.00	155.70	11,798.20	-47.37	1.41	46.70	13.29
11,848.00	35.20	155.70	11,825.00	-63.29	8.60	63.74	13.12
11,879.00	39.00	155.50	11,849.72	-80.32	16.32	81.96	12.26

Daily Summary

Report Start Date 6/12/2017 06:00	Report End Date 6/13/2017 06:00	Footage (ftKB) 265.00	End Depth (ftKB) 11,971.0	Daily Field Est Total (Cost) 18,935.00	Cum Field Est To Date (Cost) 1,364,531.52
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Activity
DRILLING CURVE @ 11,971'

24hr Activity

Com
P/U DIRECTIONAL TOOLS AND SCRIBE MTR., PULL AND RESET MWD AND TEST SAME
TIH TO 11611'
INSTALL ROTATING HEAD RUBBER
WASH AND REAM F/ 11611' TO 11706'
SLIDE F/ 11706' TO 11971' WOB 22K, GPM 500, PP 2225 PSI, DIFF 125 PSI



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/13/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.60	28

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,037.00	59.50	158.50	11,952.96	-190.31	60.28	199.59	14.12
12,068.00	64.00	158.70	11,967.63	-215.73	70.25	226.86	14.53
12,100.00	68.80	159.00	11,980.44	-243.07	80.82	256.15	15.02
12,131.00	73.30	160.30	11,990.50	-270.55	91.01	285.45	15.05
12,163.00	76.90	161.30	11,998.73	-299.75	101.18	316.37	11.65

Daily Summary

Report Start Date 6/13/2017 06:00	Report End Date 6/14/2017 06:00	Footage (ftKB) 236.00	End Depth (ftKB) 12,207.0	Daily Field Est Total (Cost) 18,935.00	Cum Field Est To Date (Cost) 1,383,466.52
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Activity
LAYING DOWN 5" DRILL PIPE

24hr Activity

Com

SLIDE F/ 11,971' TO 12,087' WOB-25, ROP-30, PSI-2200, DIFF-130, GPM-500, TF-10R
SERVICE RIG
SLIDE F/ 12,087' T/ 12,207' WOB-25, , PSI-2225, DIFF-130, GPM-500, TF-10R
PUMP SWEEP, CIRCULATE HOLE CLEAN AND SPOT 100 BBL 45vs PILL.
POOH FROM 12,207' TO 11,700'
PLUMP SLUG
LAYDOWN DRILL PIPE FROM 11,700' TO 9921'



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/14/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.60	28

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,037.00	59.50	158.50	11,952.96	-190.31	60.28	199.60	14.12
12,068.00	64.00	158.70	11,967.63	-215.73	70.25	226.87	14.53
12,100.00	68.80	159.00	11,980.44	-243.07	80.82	256.15	15.02
12,131.00	73.30	160.30	11,990.50	-270.55	91.01	285.45	15.05
12,163.00	76.90	161.30	11,998.73	-299.75	101.18	316.37	11.65

Daily Summary

Report Start Date 6/14/2017 06:00	Report End Date 6/15/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 12,207.0	Daily Field Est Total (Cost) 31,996.08	Cum Field Est To Date (Cost) 1,415,462.60
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Activity
RUNNING 7" CSG.

24hr Activity

Com
CONTINUE TO LAY DOWN 5" DP. REMOVE ROTATE RUBBER AND INSTALL TRIP NIPPLE. LAY DOWN 5" DP. TRIP IN REMAINING 5 STD IN DERRICK. FINISH LAYING DOWN 5" DP AND DRILL COLLAR'S. LAY DOWN ALL DIRECTIONAL TOOL AND BROKE BIT OFF. PULL WEAR BUSHING TO RUN 7" CSG. SHOW SLIGHT WEAR ON DRAW WORK SIDE. HELD SAFETY MEETING WITH CSG CREW & DRILL CREW,COMPANY MAN,PUSHER ON RUNNING 7" CSG..RIG UP CSG CREW TO RUN 7" CSG. PICK UP AND MADE UP FLOAT SHOE & SHOE TRACK AND FLOAT COLLAR FILL UP SAME AND CHECK OUT FLOATS. [GOOD] CHANGE OUT 7" CASING TONG DUE TO LEAKING HYD FLUID . M/U 7" 29 # P-110 LTC INTERMEDIATE CASING AS FOLLOWS; TOTAL 12,207.73' FLOAT SHOE-1.57' 2 CASING JTS-89.83' FLOAT COLLAR-1.30' 18 CASING JTS-793.33' MARKER JT-21.90' 252 CASING JTS-11,299.80'



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/15/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,037.00	59.50	158.50	11,952.96	-190.31	60.28	199.60	14.12
12,068.00	64.00	158.70	11,967.63	-215.73	70.25	226.87	14.53
12,100.00	68.80	159.00	11,980.44	-243.07	80.82	256.15	15.02
12,131.00	73.30	160.30	11,990.50	-270.55	91.01	285.45	15.05
12,163.00	76.90	161.30	11,998.73	-299.75	101.18	316.37	11.65

Daily Summary

Report Start Date 6/15/2017 06:00	Report End Date 6/16/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 12,207.0	Daily Field Est Total (Cost) 21,079.50	Cum Field Est To Date (Cost) 1,436,542.10
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Activity
TESTING BOP'S

24hr Activity

Com
FINISHED RUNNING CASING 272 JTS OF 7" 29# P-110 LTC AND 1 MARKER JT. @ 11,292'
RIG DOWN CASING CREW WHILE FILLING DRILL PIPE AND BREAKING CIRC
RIG DOWN CRT
INSTALL CEMENT HEAD AND CHICKSEN LINES TO CIRC WITH RIG PUMP
HELD PJSM WITH HALLIBURTON WHILE CIRCULATING
CEMENTED AS FOLLOWS TESTED SURFACE LINES TO 7000# , PUMPED 20BBL. GEL SPACER, PUMPED 885 SXS H ECONOCHEM SYSTEM + 0.25 LBM D-AIR + 0.75% HR-800 + 0.05% SA-1015 YIELD 2.8 16.76 GAL PER SACK WATER 441 BBLS. OF LEAD @ 11.6 PPG, PUMPED 240 SXS H VERSACHEM SYSTEM + 0.30% CFR-3 + 0.50% LAP-1 + 0.25 LBM D-AIR + 0.15% HR-601 YIELD 1.247 5.72 GAL PER SACK WATER 53 BBLS OF TAIL @ 14.4 PPG, DROPPED PLUG AND DISPLACED WITH 449 BBLS. OF FRESH WATER BUMPED PLUG WITH 2400# BLEED BACK 3 BBLS. FLOATS HOLDING TOP OF CEMENT @ 2000' HAD FULL RETURNS THROUGH OUT JOB
R/D HALLIBURTON AND CASING SLIPS
REMOVING TURN BUCKLES AND FLOW LINE
SET 7" CASING SLIPS WITH 240K.RIG UP STACK LIFTS ATTACH WINCHES TO STACK AND BROKE STUDS FROM WELL HEAD TO DSA WITH TORQUE WRENCH.
PICK UP STACK AND MADE ROUGH CUT ON 7" CSG.
SET STACK DOWN AND BROKE BOLTS ON SPOOL & ROTATE HEAD BOWL LAY OUT ROTATE HEAD BOWL AND PICK UP STACK AND PULL BACK AND CHAIN OFF OUT OF WAY.
MADE FINAL CUT ON 7" CSG AND INSTALL 7 1/16 10K WELL HEAD TORQUE UP WELL HEAD AND TESTED HEAD TO 5,000 PSI. [GOOD TEST]
INSTALL DSA & 13 5/8 10K SPOOL.2 STUDS WERE DAMAGED REMOVE AND REPAIR SAME. TORQUE UP BOLTS ON DSA & SPOOL.
INSTALL ROTATE HEAD BOWL AND FLOW LINE.
HELD SAFETY MEETING WITH NIPPLE UP CREW AND RIG DOWN STACK WINCHES.
HELD SAFETY MEETING WITH LONE STAR TESTER ON TESTING CHOKE & BOPS AND RIG UP SAME.
TESTED CHOKE MAN FORD VALVE'S AND SUPER CHOKE AND MANUAL CHOKE TO 250 LOW & 10,000 HIGH.TEST PIPE RAMS AND WING VALVES & BLIND RAMS TO 250 LOW & 10,000 HIGH,TESTED HYDRILL TO 250 LOW & 3,5000 HIGH,TESTED ALL FLOOR VALVES & STD PIPE TO 250 LOW & 5,000 HIGH.

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 6/16/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,037.00	59.50	158.50	11,952.96	-190.31	60.28	199.60	14.12
12,068.00	64.00	158.70	11,967.63	-215.73	70.25	226.87	14.53
12,100.00	68.80	159.00	11,980.44	-243.07	80.82	256.15	15.02
12,131.00	73.30	160.30	11,990.50	-270.55	91.01	285.45	15.05
12,163.00	76.90	161.30	11,998.73	-299.75	101.18	316.37	11.65

Daily Summary

Report Start Date 6/16/2017 06:00	Report End Date 6/17/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 12,207.0	Daily Field Est Total (Cost) 24,935.00	Cum Field Est To Date (Cost) 1,461,477.10
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Activity
PICK UP 4" XT39 DP @ 10,449'.

24hr Activity

Com
FINISHED TESTING BOP'S AND FLOOR VALVES AND TOP DRIVE VALVES TEST CASING TO 1500# FOR 30 MINUTES R/D BOP TESTERS INSTALL FLOW LINE, DRIP PANS, CENTER STACK, LOAD PIPE RACKS, STRAP BHA AND DRILL PIPE AND PREPARE TO P/U SAME FINISHED WASHING MUD TANKS AND FILLED TANKS WITH OIL BASE MUD WHILE INSTALLING SPLASH GAURD ON BELL NIPPLE FOR DRIP PANS PICK UP AND MADE UP DIRECTIONAL AND SCRIBE MOTOR INSTALL MWD AND TESTED PULSE. [GOOD TEST] MADE UP 6 1/8 HALLIBURTON BIT MM53D AND PICKING UP 4" XT39 DP FILLING UP EVERY 30 JTS TOTAL PICK UP @ 10,449'.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/17/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.40	90

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,496.00	89.90	163.60	12,018.94	-620.71	183.96	647.40	4.58
12,527.00	89.70	163.60	12,019.05	-650.45	192.71	678.40	0.65
12,559.00	90.00	163.60	12,019.14	-681.15	201.75	710.40	0.94
12,590.00	90.20	163.90	12,019.08	-710.91	210.42	741.40	1.16
12,622.00	90.50	165.00	12,018.89	-741.74	219.00	773.39	3.56

Daily Summary

Report Start Date 6/17/2017 06:00	Report End Date 6/18/2017 06:00	Footage (ftKB) 501.00	End Depth (ftKB) 12,708.0	Daily Field Est Total (Cost) 121,554.38	Cum Field Est To Date (Cost) 1,590,709.47
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Activity
DRILL LATERAL @ 12,708'.

24hr Activity

Com
FINISHED P/U DRILL PIPE SLIP AND CUT 117' OF DRILL LINE SERVICE RIG DRILL CEMENT AND FLOAT COLLAR WHILE DISPLACING WITH OIL BASE MUD FINISHED DRILLING CEMENT AND SHOE @ 12207' ROTATE F/ 12,207' TO 12,217' PERFORMED FIT TEST TO 1650 PSI EQV. TO 14.0 PPG TEST GOOD DRILL ROTATE F/ 12,217' TO 12,235' [18' FT AVG ROP 36' FT/HR] WOB- 10 = ROP - 75 = SPM - 70 = PSI - 2,760 = DIFF - 100. DRILL SLIDE F/ 12,235' TO 12,250' [15' FT AVG ROP 7.5' FT/HR] T/F @ 30 RIGHT. WOB- 15 = ROP - 24 = SPM - 85 = PSI - 3,650 = DIFF - 100 = GPM 0 250. DRILL ROTATE F/ 12,250' TO 12,267' [17' FT AVG ROP 34' FT/HR] WOB- 10 = ROP - 50 = SPM - 85 = PSI - 3,650 = DIFF - 300 = GPM - 250 = TQ - 4-5K. DRILL SLIDE F/ 12,267' TO 12,282' [15' FT AVG ROP 10' FT/HR] T/F HIGH SIDE. WOB- 10 = ROP - 25 = SPM - 85 = PSI - 3,650 = DIFF - 100 = GPM 0 250. DRILL ROTATE F/ 12,282' TO 12,424' [142' FT AVG ROP 40.57' FT/HR] WOB- 16 = ROP - 50 = SPM - 85 = PSI - 3,450 = DIFF - 350 = GPM - 250 = TQ -5K. DRILL SLIDE F/ 12,424' TO 12,434' [10' FT AVG ROP 20' FT/HR] T/F 90 LEFT. WOB- 11 = ROP - = SPM - 85 = PSI - 3,450 = DIFF - 100 = GPM 0 250. DRILL ROTATE F/ 12,434' TO 12,487' [53' FT AVG ROP 53' FT/HR] WOB- 16 = ROP - 50 = SPM - 85 = PSI - 3,450 = DIFF - 250 = GPM - 250 = TQ -5K. DRILL SLIDE F/ 12,487' TO 12,507' [20' FT AVG ROP 40' FT/HR] T/F 100 LEFT. WOB- 15 = ROP - = SPM - 85 = PSI - 3,450 = DIFF - 100 = GPM - 250. DRILL ROTATE F/ 12,507' TO 12,677' [170' FT AVG ROP 56.6' FT/HR] WOB- 16 = ROP - 50 = SPM - 85 = PSI - 3,450 = DIFF - 450 = GPM - 250 = TQ -5K. DRILL SLIDE F/ 12,677' TO 12,692' [15' FT AVG ROP 30' FT/HR] T/F 100 LEFT. WOB- 15 = ROP - = SPM - 85 = PSI - 3,450 = DIFF - 100 = GPM - 250. DRILL ROTATE F/ 12,692' TO 12,708' [16' FT AVG ROP 32' FT/HR] WOB- 16 = ROP - 50 = SPM - 85 = PSI - 3,450 = DIFF - 450 = GPM - 250 = TQ -5K.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/18/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.35	75

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
12,653.00	90.10	164.30	12,018.72	-771.63	227.21	804.30	2.60
12,747.00	91.00	160.90	12,017.82	-861.31	255.31	898.28	3.74
12,841.00	91.70	160.90	12,015.61	-950.11	286.06	992.21	0.74
12,936.00	90.20	160.30	12,014.03	-1,039.70	317.61	1,087.12	1.70
13,030.00	89.40	159.70	12,014.36	-1,128.03	349.76	1,181.01	1.06

Daily Summary

Report Start Date 6/18/2017 06:00	Report End Date 6/19/2017 06:00	Footage (ftKB) 403.00	End Depth (ftKB) 13,111.0	Daily Field Est Total (Cost) 25,480.00	Cum Field Est To Date (Cost) 1,616,189.47
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Activity
TRIPPING IN HOLE.

24hr Activity

Com
TROUBLE SHOOT MWD DOWN LINKED TO WRONG MODE SLIDE F/ 12708' TO 12717' WOB-10, ROP-35, PSI-3450, DIFF-110, GPM-250, TF-HS ROTATE F/ 12717' TO 12906' WOB-12, ROP-75, PSI-3800, DIFF-390, GPM-250 SLIDE F/ 12906' TO 12916' WOB-10, ROP-20, PSI-3500, DIFF-100, GPM-250, TF-160R ROTATE F/ 12916' TO 13085' WOB-15, ROP-75, PSI-3800, DIFF-390, GPM-250 SERVICE RIG ROTATE F/ 13085' TO 13095' WOB-16, PSI-3800, DIFF-390, GPM-250 TROUBLE SHOOT MWD SLIDE F/ 13095' TO 13098' T/F 80 RIGHT WOB-10, ROP-20, PSI-3500, DIFF-100, GPM-250 ROTATE F/ 13,098' TO 13,108' [10' FT AVG ROP 20' FT/HR] WOB-16, ROP 85, PSI-3800, DIFF-370, GPM-250 ATTEMPT TO SLIDE F/ 13,108' TO 13,111. [3' FT AVG ROP 6' FT/HR] T/F 80 RIGHT . (MOTOR CONTINUED TO STALL OUT) CIRCULATE BOTTOM UP AND WORK PIPE WHILE MIXING SLUG. POOH F/ 13,111' TO 12,142'. PULL ROTATE RUBBER AND INSTALL TRIP NIPPLE. POOH F/ 12,142' TO BIT. DRAIN M/M AND BROKE OFF BIT AND LAY OUT M/M & MWD. [BIT LOOK GOOD SO RERAN SAME BIT] CLEAN FLOOR AND FUNCTION TEST BOPS. PICK UP NEW M/M AND MWD MADE UP SAME AND TESTED M/M & MWD. MADE UP RERAN BIT#11 AND TRIP IN HOLE FILLING UP EVERY 30 STDS.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/19/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
11.50	70

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
13,405.00	90.80	166.60	12,011.06	-1,483.41	468.19	1,555.24	3.10
13,499.00	88.50	166.90	12,011.63	-1,574.90	489.73	1,649.09	2.47
13,593.00	90.50	170.40	12,012.45	-1,667.04	508.23	1,742.71	4.29
13,687.00	88.20	168.50	12,013.52	-1,759.44	525.44	1,836.20	3.17
13,781.00	88.30	168.30	12,016.39	-1,851.48	544.33	1,929.83	0.24

Daily Summary				
Report Start Date 6/19/2017 06:00	Report End Date 6/20/2017 06:00	Footage (ftKB) 824.00	End Depth (ftKB) 13,935.0	Daily Field Est Total (Cost) 25,185.00
Cum Field Est To Date (Cost) 1,641,374.47				
Activity DRILL LATERAL @13,935'.				

24hr Activity
Com
TIH F/ 10066' TO 12512' WASH AND REAM F/ 12512' TO 13078' ORIENT TOOL FACE AND WASH F/ 13078' TO 13111' SLIDE F/ 13111' TO 13121' WOB-10, ROP-15, PSI-3600, DIFF-100, TF-80R GPM-250 ROTATE F/ 13121' TO 13141' WOB-15, ROP-75, PSI-3810, DIFF-350,GPM-250, TQ.-5K SLIDE F/ 13141' TO 13161' WOB-10, ROP-15, PSI-3600, DIFF-100, TF-80R, GPM-250 ROTATE F/ 13161' TO 13204' WOB-15, ROP-100, PSI-3800, DIFF-330, TQ.-5K SLIDE F/ 13,204' TO 13,219'. T/F @90 RIGHT. [15' FT AVG ROP 10' FT/HR] WOB-10, ROP-15, PSI-3,550, DIFF-100,GPM-250 ROTATE F/ 13,219' TO 13,267'. [48' FT AVG ROP 96' FT/HR] WOB-18, ROP-115, PSI-3,900, DIFF-430, TQ.-5K SERVICE RIG AND TOP DRIVE. DRILL ROTATE F/ 13,267' TO 13,277'. [10' FT AVG ROP 20' FT/HR] WOB-18, ROP-100, PSI-3,900, DIFF-390, TQ.-5K DRILL SLIDE F/ 13,277' TO 13,302'. T/F @90 RIGHT. [AVG ROP 25' FT/HR] WOB-10, PSI-3,450, DIFF-50,GPM-250. DRILL ROTATE F/ 13,302' TO 13,371'. [AVG ROP 69' FT/HR] WOB-14, ROP-90, PSI-3,450, DIFF-350,SPM 85 TQ.-6K DRILL SLIDE F/ 13,371' TO 13,396'. T/F @120 RIGHT. [25' FT AVG ROP 16.6' FT/HR] WOB-16, PSI-3,450,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 13,396' TO 13,423'. [27' FT AVG ROP 54' FT/HR] WOB-18, ROP-90, PSI-3,450, DIFF-400,SPM 85 TQ.5-6K DRILL SLIDE F/ 13,423' TO 13,438'. T/F @120 RIGHT. [15' FT AVG ROP 30' FT/HR] WOB-16, PSI-3,450,SPM 85, DIFF-50,GPM-250. DRILL ROTATE F/ 13,438' TO 13,486'. [AVG ROP 50' FT/HR] WOB-18, ROP-90, PSI-3,450, DIFF-350,SPM 85 TQ.5-6K DRILL SLIDE F/ 13,486' TO 13,496'. T/F @180 RIGHT. [10' FT AVG ROP 20' FT/HR] WOB-22, PSI-3,450,SPM 85, DIFF-120,GPM-250. DRILL ROTATE F/ 13,496' TO 13,658'. [162' FT AVG ROP 108' FT/HR] WOB-18, ROP-108, PSI-3,450, DIFF-400,SPM 85 TQ.5-6K DRILL SLIDE F/ 13,658' TO 13,668'. T/F @130 LEFT. [10' FT AVG ROP 20' FT/HR] WOB-22, PSI-3,450,SPM 85, DIFF-120,GPM-250. DRILL ROTATE F/ 13,668' TO 13,846'. [178' FT AVG ROP 89' FT/HR] WOB-18, ROP-108, PSI-3,450, DIFF-400,SPM 85 TQ.5-6K DRILL SLIDE F/ 13,846' TO 13,856'. T/F @H/S. [10' FT AVG ROP 20' FT/HR] WOB-20, PSI-3,450,SPM 85, DIFF-120,GPM-400. DRILL ROTATE F/ 13,856' TO 13,935'. [AVG ROP 79' FT/HR] WOB-18, ROP-108, PSI-3,450, DIFF-400,SPM 85 TQ.5-6K



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/20/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
11.50	70

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
14,724.00	89.40	162.90	12,026.51	-2,765.69	771.46	2,871.27	0.67
14,818.00	92.30	166.10	12,025.11	-2,856.24	796.57	2,965.23	4.59
14,912.00	91.80	163.90	12,021.75	-2,946.97	820.88	3,059.16	2.40
14,962.00	91.80	163.90	12,020.18	-2,994.98	834.74	3,109.14	0.00
15,006.00	91.90	162.20	12,018.76	-3,037.05	847.56	3,153.10	3.87

Daily Summary			
Report Start Date 6/20/2017 06:00	Report End Date 6/21/2017 06:00	Footage (ftKB) 1,131.00	End Depth (ftKB) 15,066.0
Activity DRILL LATERAL @ 15,066'		Daily Field Est Total (Cost) 40,135.62	Cum Field Est To Date (Cost) 1,681,510.09

24hr Activity
Com
SLIDE F/ 13935' TO 13960'. T/F 90 LEFT. [AVG ROP 25' FT/HR] WOB-28, ROP-30, PSI-3500, DIFF-50, GPM-250 ROTATE F/ 13960' TO 14218'. [258' FT AVG ROP 64.5' FT/HR] WOB-16, ROP-75, PSI-3900, DIFF-450, GPM-250, TQ.-6K SLIDE F/ 14218' TO 14228'.TF-90L [10' FT AVG ROP 20' FT/HR] WOB-28, ROP-30, PSI-3500, DIFF-50, GPM-250, ROTATE F/ 14228' TO 14312'. [84' FT AVG ROP 56' FT/HR] WOB-16, ROP-100, PSI-3850, DIFF-400, GPM-250, TQ.-6K SLIDE F/ 14312' TO 14332'.TF-120L [20' FT AVG ROP 40' FT/HR] WOB-15, ROP-50, PSI-3500, DIFF-100, GPM-250, ROTATE F/ 14332' TO 14491'. [159' FT AVG ROP 79.5' FT/HR] WOB-16, ROP-150, PSI-3800, DIFF-350, GPM-250, TQ.-6K SERVICE RIG AND TOP DRIVE. DRILL ROTATE F/ 14,491' TO 14,501'. [10' FT AVG ROP 20' FT/HR] WOB-16, ROP-100, PSI-3,800, DIFF-400,SPM 85 TQ.5-6K DRILL SLIDE F/ 14,501' TO 14,512'. T/F @ 45 LEFT. [11' FT AVG ROP 22' FT/HR] WOB-15, PSI-3,500,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 14,512' TO 14,585'. [AVG ROP 73' FT/HR] WOB-16, ROP-115, PSI-3,800, DIFF-350,SPM 85 TQ.5-6K DRILL ROTATE F/ 14,585' TO 14,616'. [AVG ROP 31' FT/HR] WOB-16, ROP-115, PSI-3,800, DIFF-350,SPM 85 TQ.5-6K DRILL SLIDE F/ 14,616' TO 14,626'. T/F @ 90 LEFT. [10' FT AVG ROP 6.6' FT/HR] WOB-30, PSI-3,340,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 14,626' TO 14,805'. [179' FT AVG ROP 89.5' FT/HR] WOB-17, ROP-90, PSI-3,800, DIFF-400,GPM 250,SPM 85 TQ.5-6K DRILL SLIDE F/ 14,805' TO 14,815'. T/F @ 45 LEFT. [AVG ROP 10' FT/HR] WOB-30, PSI-3,340,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 14,815' TO 14,883'. [AVG ROP 68' FT/HR] WOB-17, ROP-90, PSI-3,350, DIFF-400,GPM 250,SPM 85 TQ.5-6K DRILL SLIDE F/ 14,883' TO 14,898'. T/F @ 90 LEFT. [AVG ROP 15' FT/HR] WOB-30, PSI-3,350,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 14,898' TO 14,977'. [AVG ROP 79' FT/HR] WOB-17, ROP-90, PSI-3,350, DIFF-400,GPM 250,SPM 85 TQ.5-6K DRILL SLIDE F/ 14,977' TO 14,992'. T/F @ 90 LEFT. [15' FT AVG ROP 7.5 FT/HR] WOB-30, PSI-3,350,SPM 85, DIFF-100,GPM-250. DRILL ROTATE F/ 14,992' TO 15,066'. [74' FT AVG ROP 49.33' FT/HR] WOB-17, ROP-90, PSI-3,350, DIFF-400,GPM 250,SPM 85 TQ.5-6K



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/15/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/15/2017 06:00	Report End Date 5/16/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost) 21,235.00	Cum Field Est To Date (Cost) 96,760.00
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Activity
RIGGING DOWN & MOVE

24hr Activity

Com

MOVED AND SET UP CO.MAN AND CREW LIVING QUARTERS ON NEW LOCATION, MOVED AND SET UP RIG GEN. PACKAGE , MOVED ALL TUBILARS , MUD PUMPS, DIESEL TANK AND MUD TANKS TO NEW LOCTION. SET DERRICK OFF RIG FLOOR ONTO GROUND. PREPARE TO RIG DOWN SUBS & DERRICK TO BE MOVED TO NEW LOCATION.
SHUT DOWN FOR NIGHTFALL.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/21/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.60	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
15,947.00	91.80	159.70	11,992.56	-3,917.98	1,176.08	4,090.60	0.57
16,041.00	91.30	159.20	11,990.02	-4,005.97	1,209.06	4,184.39	0.75
16,135.00	90.80	158.50	11,988.29	-4,093.62	1,242.97	4,278.14	0.92
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.91	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.54	3.52

Daily Summary

Report Start Date 6/21/2017 06:00	Report End Date 6/22/2017 06:00	Footage (ftKB) 1,334.00	End Depth (ftKB) 16,400.0	Daily Field Est Total (Cost) 40,456.28	Cum Field Est To Date (Cost) 1,721,966.37
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Activity

DRILL LATERAL @ 16,400'.

24hr Activity

Com

DRILL SLIDE F/15,066' T/15,084'. 18' @ 36 FT/HR. WOB-25, SPP-3,350, SPM 85, GPM 247, DIFF-100, TF 100 L.

DRILL ROTATE WITH SURVEY'S F/15,084' T/15,276', 192' @ 76.8 FT/HR . WOB 16, RPM 90, TQ: 7120K, SPP 3700, DIFF. 350, GPM 247, MMRPM 138.

DRILL SLIDE F/15,276' T/15,288'. 12' @ 8 FT/HR. WOB-15, SPP-3,400, SPM 85, GPM 247, DIFF-75, TF 90 R.

DRILL ROTATE WITH SURVEY'S F/15,288' T/15,370', 82' @ 82 FT/HR . WOB 16, RPM 90, TQ: 7120K, SPP 3700, DIFF. 400, GPM 247, MMRPM 138.

DRILL SLIDE F/15,370' T/15,390'. 20' @ 10 FT/HR. WOB-20, SPP-3,700, SPM 85, GPM 247, DIFF-100, TF 90 R.

DRILL ROTATE F/15,390' T/15,433', 43' @ 86 FT/HR . WOB 16, RPM 90, TQ: 7120K, SPP 3700, DIFF. 400, GPM 247, MMRPM 138.

SERVICE RIG AND TOP DRIVE.

DRILL ROTATE F/15,433' T/15,537', 104' @ 69.3 FT/HR . WOB 16, RPM 90, TQ: 7120K, SPP 3800, DIFF. 375, GPM 247, MMRPM 138.

DRILL SLIDE F/15,537' T/15,552'. 15' @ 15 FT/HR. WOB-20, SPP-3,450, SPM 85, GPM 247, DIFF-75, TF 180

DRILL ROTATE F/15,552' TO', 16,106' [554' FT AVG ROP 92.33' FT/HR] . WOB 14, RPM 90, TQ: 5 TO 6K K, SPP 3,500, DIFF. 350, GPM 250, MMRPM 138.

DRILL SLIDE F/16,106' TO', 16,116'. T/F @ 80 RIGHT [10' FT AVG ROP 20' FT/HR] . WOB 10, K, SPP 3,500, DIFF. 50, GPM 250, M/M RPM 140.

DRILL ROTATE F/16,116' TO', 16,200' [' AVG ROP 84' FT/HR] . WOB 18, RPM 90, STK 85 TQ: 6K K, SPP 3,500, DIFF. 350, GPM 250, MMRPM 140.

DRILL SLIDE F/16,200' TO', 16,218'. T/F @ 70 RIGHT [AVG ROP 18' FT/HR] . WOB 12, SPP 3,500, DIFF. 100, GPM 250, M/MRPM 140

DRILL ROTATE F/16,218' TO', 16,294' [' AVG ROP 76' FT/HR] . WOB 17, RPM 90, STK 85 TQ: 5- 6K, SPP 3,500, DIFF. 350, GPM 250, MMRPM 140.

DRILL SLIDE F/16,294' TO', 16,314'. T/F @ 70 RIGHT [AVG ROP 20' FT/HR] . WOB 10, SPP 3,500, DIFF. 100, GPM 250, M/M RPM 140.

DRILL ROTATE F/16,314' TO', 16,383' [' AVG ROP 69' FT/HR] . WOB 18, RPM 80, STK 85 TQ: 6K, SPP 3,500, DIFF. 350, GPM 250, MMRPM 140.

DRILL SLIDE F/16,383' TO', 16,400'. T/F @ 70 RIGHT [AVG ROP 17' FT/HR] . WOB 17, SPM 85, SPP 3,500, DIFF. 50, GPM 250, M/M RPM 140.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/22/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.60	61

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.84	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.50	3.52
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.05	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.75	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.60	6.02

Daily Summary

Report Start Date 6/22/2017 06:00	Report End Date 6/23/2017 06:00	Footage (ftKB) 295.00	End Depth (ftKB) 16,695.0	Daily Field Est Total (Cost) 26,951.00	Cum Field Est To Date (Cost) 1,751,867.37
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Activity
POOH 5,696'.

24hr Activity

Com
DRILL SLIDE F/16,400' T/16,415'. 15' @ 30 FT/HR. WOB-20, SPP-3,550, SPM 85, GPM 247, DIFF-100, TF 90R
DRILL ROTATE F/16,415' T/16,477', 62' @ 62 FT/HR . WOB 16, RPM 90, TQ: 7120K, SPP 3950, DIFF. 400, GPM 247, MMRPM 138.
DRILL SLIDE F/16,477' T/16,502'. 25' @ 6.25 FT/HR. WOB-20, SPP-3,600, SPM 85, GPM 247, DIFF-100, TF 100R
DRILL ROTATE F/16,502' T/16,571', 69' @ 69 FT/HR . WOB 16, RPM 90, TQ: 7790K, SPP 3950, DIFF. 420, GPM 247, MMRPM 138.
DRILL SLIDE F/16,571' T/16,601'. 30' @ 6.7 FT/HR. WOB-20, SPP-3,400, SPM 85, GPM 247, DIFF-50, TF 90R
DRILL ROTATE F/16,601' T/16,656', 55' @ 55 FT/HR . WOB 16, RPM 90, TQ: 8360K, SPP 3950, DIFF. 420, GPM 250, MMRPM 140.
CIRCULATE BACK REAMING BEFORE CONNECTION CLEANING HOLE.
SERVICE RIG AND TOP DRIVE.
DRILL ROTATE F/16,656' T/16,687', [31' FT AVG ROP 62' FT/HR] . WOB 18, RPM 90, TQ: 6,550K, SPP 3400, DIFF. 420, GPM 250, MMRPM 140.
DRILL SLIDE F/ 16,687' TO 16,695'. [8' FT AVG ROP 6.5' FT/HR] WOB= 20 SPM = 72 PSI= 3,400 DIFF = 100 GPM = 250 MMRPM140. T/F @ 90 RIGHT.
CIRCULATE WHILE MIXING SLUG. TO POOH TO PICK UP AGITATOR.
POOH F/ 16,695' TO 16,170'.
WASH AND BACK REAM OUT OF HOLE 16,170' TO 15,700'.
POOH F/ 15,700' TO 12,029'. HOLE TAKING PROPER FILL ON TRIP TANK.
PULL ROTATE RUBBER AND INSTALL TRIP NIPPLE.
CONTINUE POOH TO 5,696'. HOLE TAKING PROPER FILL ON TRIP TANK.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/23/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.70	69

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.84	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.50	3.52
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.05	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.75	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.60	6.02

Daily Summary

Report Start Date 6/23/2017 06:00	Report End Date 6/24/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 16,695.0	Daily Field Est Total (Cost) 51,372.18	Cum Field Est To Date (Cost) 1,803,239.55
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Activity
WASH & REAMING @ 15,768'.

24hr Activity

Com

CONTINUE POOH F/5,696' T/89'. HOLE TAKING PROPER FILL ON TRIP TANK.

FUNCTION BOP'S. DRAIN MOTOR, BREAK BIT, PULL MWD AND LAY DOWN SAME.

PICK UP QES 4 3/4" MOTOR, 7-8 LOBE, 3.8 STAGE, 1.75° FIXED 0.56 REV/GAL. BIT TO BEND 4.82', BIT TO SURVEY 50', BIT TO GAMMA 36', MAKE UP UBHO, MONELS, SCRIBE MOTOR. INSTALL MWD AND SURFACE TEST SAME. MAKE UP ULTERAA 6 1/8' U513M SER.# 31277. TIH T/85'.

SERVICE RIG, TOP DRIVE, GREASE CROWN.

TIH F/85' T/2,967'. PICK UP AGITATOR {21.91'} TOTAL 2,993.36'. TEST PRESSURE BEFORE PICK UP @ 64 SPM, 1450 SPP, 225 GPM. AFTER PICK UP @ 64 SPM, 1900 SPP, 225 GPM. HOLE GIVING PROPER DISPLACEMENT.

TIH F/2,967' T/12,207'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS.

PULL TRIP NIPPLE, INSTALL ROTATING HEAD ELEMENT.

TIH F/12,207' T/12,879". HOLE GIVING PROPER DISPLACEMENT.

WAIT ON SEVERE WEATHER, HIGH WINDS 60 MPH, LIGHTNING TO PASS. CIRCULATING @ 30 SPM, 875 SPP.

HIGH WINDS HAD BLOWED DRILL PIPE LOOSE IN DERRICK 12 STANDS WENT ACROSS DERRRICK, PULL BACK SAME INTO FINGERS.

TIH F/ 12,879' TO 14,293'.

WASHING & REAMING F/ 14,293' TO 15,768'. [1,475' FT AVG ROP 196.65' FT/HR]

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 6/24/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
11.95	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.84	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.50	3.52
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.05	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.75	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.60	6.02

Daily Summary

Report Start Date 6/24/2017 06:00	Report End Date 6/25/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 16,695.0	Daily Field Est Total (Cost) 26,655.30	Cum Field Est To Date (Cost) 1,829,894.85
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Activity
POOH FOR M/M @ 14.481'.

24hr Activity

Com
WASH AND REAM TO BOTTOM F/15,768' T/16,238'. SERVICE RIG AND TOP DRIVE. WASH AND REAM TO BOTTOM F/16,238' TO 16,695'. [457' FT AVG ROP 50.77' FT/HR] GOT TO BOTTOM TO DRILL RAISE STK UP TO 70 STK BLOW POP OFF ON #2 PUMP TWICE PSI CAME UP TO 6,000 PSI M/M LOCK UP. POOH FOR M/M LOCK UP @ 14,481'.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/25/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
12.00	66

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.84	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.50	3.52
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.05	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.75	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.60	6.02

Daily Summary			
Report Start Date 6/25/2017 06:00	Report End Date 6/26/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 16,695.0
Activity WASH AND BACK REAM OUT T/16,064'.		Daily Field Est Total (Cost) 33,870.00	Cum Field Est To Date (Cost) 1,863,764.85

24hr Activity
Com
POOH F/14,481' T/12,200'. HOLE TAKING PROPER FILL ON TRIP TANK. PULL ROTATING HEAD ELEMENT, INSTALL TRIP NIPPLE. POOH F/12,200 T/85'. HOLE TAKING PROPER FILL ON TRIP TANK. FUNCTION BOP'S. DRAIN MOTOR {NO FLUID}, BREAK BIT, PULL MWD. LAY DOWN MUD MOTOR, BIT, MWD 2 MONEL COLLARS {CONNECTIONS MUSHROOMED}. CLEAN OIL BASE MUD OFF RIG FLOOR. SLIP AND CUT 98' OF DRILL LINE. SERVICE RIG, TOP DRIVE, GREASE CROWN. PICK UP QES 4 3/4" MOTOR, 7:8 LOBE, 3.8 STAGE, 1.75° FIXED 0.56 REV/GAL. BIT TO BEND 4.45', BIT TO SURVEY 50', BIT TO GAMMA 36', MAKE UP UBHO, MONELS, SCRIBE MOTOR. INSTALL MWD AND SURFACE TEST SAME. MAKE UP BAKER HUGHES 6 1/8' TD405FX SER.# 7162209. TIH T/92'. TIH F/92' T/2,975'. PICK UP AGITATOR {21.91'} TOTAL 2,996.93'. TEST PRESSURE BEFORE PICK UP # 1 PUMP @ 85 SPM, 1,940 SPP, 250 GPM. AFTER PICK UP @ 85 SPM, 2,750 SPP, 246 GPM. TEST PRESSURE BEFORE PICK UP # 2 PUMP @ 70 SPM, 1,700 SPP, 252 GPM. AFTER PICK UP @ 70 SPM, 2,550 SPP, 250 GPM. HOLE GIVING PROPER DISPLACEMENT. TIH F/2,996.93' T/ 8,071'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS.LAY OUT 1 BAD JT WITH BAD FACE ON COLLER.CONTINUE TRIPPING IN HOLE BLEW HYD LINE ON ST80. CHANGE OUT HYD LINE ON ST80 COULD NOT MOVE IT FROM AROUND DP. TIH F/8,071' T/ 12,207'-'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS AND CHECKING MWD PULSE. REMOVE TRIP NIPPLE AND INSTALL ROTATE RUBBER. FILL PIPE UP AND CHECK TEST MWD TOOL WORKING GOOD. TIH F/12,207' T/ 16,170'. COUND NOT GO DOWN ANY MORE. ATTEMPT TO WASH AND REAM F/ 16,100' TO 16,170. TOP DRIVE STALLING OUT, HOLE PACKING OFF. WASH AND BACKREAM OUT OF HOLE 5 STANDS. CURRENT DEPTH 16,064

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 6/26/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.50	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,229.00	91.30	159.70	11,986.57	-4,181.42	1,276.50	4,371.84	1.38
16,323.00	91.10	156.40	11,984.60	-4,268.57	1,311.62	4,465.50	3.52
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.05	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.75	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.60	6.02

Daily Summary

Report Start Date 6/26/2017 06:00	Report End Date 6/27/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 16,695.0	Daily Field Est Total (Cost) 46,790.02	Cum Field Est To Date (Cost) 1,910,554.87
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Activity
WASHING & REAMING @ 16,430'.

24hr Activity

Com
PULL 2 STANDS F/16,170' T/15929'. CIRCULATE AND CONITION MUD. PUMP HIGH VIS WEIGHTED SWEEP, CLEAN HOLE. WASH AND REAM F/15,929' T/ 16,383'. WOB 10, GPM, 275, SPP 5100, DIFF.350, TQ: 10,250, RPM 80, MMRPM154. INCREASED MUD WEIGHT F/12 PPG T/12.5 PPG WHILE REAMING. [BACK REAM TO 16,329' DUE TO STALLING OUT AND PRESSUREING UP STALLING M/M.] CIRCULATE AND CONITION MUD. PUMP HIGH VIS WEIGHTED SWEEP AROUND TO CLEAN HOLE. ATTEMP TO WASH AND REAM @ 16,329' COULD NOT SO PUMP ANOUTHER HIGH VIS 100 - WEIGHTED PILL 2 POUNDS OVER 45 BBLs. CIRCULATED AROUND AND OFF LOAD SHALE WITH PILL CONTINUE WASHING AND REAMING FROM 16,329' TO 16,430'. WOB 10 TO 20K - STK 82 - GPM 239 - RPM 91 - TQ F/ 4,200 TO 6,000 - PSI 4,450.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/27/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.70	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.06	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.74	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.58	6.02
16,725.00	92.20	168.80	11,970.75	-4,647.33	1,443.03	4,866.21	5.03
16,819.00	91.60	162.20	11,967.63	-4,738.24	1,466.54	4,960.00	7.05

Daily Summary

Report Start Date 6/27/2017 06:00	Report End Date 6/28/2017 06:00	Footage (ftKB) 212.00	End Depth (ftKB) 16,907.0	Daily Field Est Total (Cost) 25,525.00	Cum Field Est To Date (Cost) 1,936,079.87
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Activity
CIRCULATE BOTTOMS UP @ 16,907'

24hr Activity

Com
WASH AND REAM F/16,430' T/ 16,492'. WOB 5, GPM, 275, SPP 5000, DIFF.100/350, TQ: 5K, RPM 90, MMRPM154. INCREASED MUD WEIGHT F/12.5 PPG T/12.7 PPG WHILE REAMING. PUMPED HIGH VIS WEIGHTED SWEEP.
SERVICE RIG, TOP DRIVE, GREASE CROWN.
WASH AND REAM F/16,492' T/ 16,510'. WOB 5, GPM, 275, SPP 5000, DIFF.100/350, TQ: 5K, RPM 90, MMRPM154. INCREASE IN TORQUE AND DIFFERENTIAL, PULL BACK UP T/16,492 AND START REAMING T/16,695'.
PUMP SWEEP, CIRCULATE BOTTOMS UP @ 16,695'. SPP 4940, GPM 265, RPM 40, TQ: 3820, MMRPM 148.
DRILL ROTATE F/16,695' T/16,790',[95'FT AVG ROP 31.66' FT/HR] . WOB 25, RPM 90, TQ: 6.5. TO 7.5K, SPP 5,600, DIFF. 450, GPM 264, MMRPM 147.84
DRILL SLIDE F/16,790' T/16,810', T/F @ 40 RIGHT[AVG ROP 20' FT/HR] .
WOB 35,SPM 91. SPP 5,150, DIFF. 100, GPM 264, MMRPM 147.84
DRILL ROTATE F/16,810' T/16,907',[97 'FT AVG ROP 38.8 ' FT/HR] .
WOB 25, RPM 90, TQ: 6.5. TO 7.5K, SPP 5,350, DIFF. 450, GPM 264, MMRPM 147.84
M/M GONE DUE TO LOSS OF DIFF PRESSURE.
CIRCULATE BOTTOM UP PUMP WEIGHTED PILL 2 POUND OVER TO POOH FOR M/M LOSS OF DIFF PRESSURE.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/28/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.70	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
16,417.00	92.30	158.30	11,981.81	-4,355.28	1,347.81	4,559.06	2.39
16,511.00	90.20	158.30	11,979.76	-4,442.59	1,382.55	4,652.74	2.23
16,605.00	93.50	162.90	11,976.73	-4,531.17	1,413.75	4,746.58	6.02
16,725.00	92.20	168.80	11,970.75	-4,647.33	1,443.03	4,866.21	5.03
16,819.00	91.60	162.20	11,967.63	-4,738.24	1,466.54	4,960.00	7.05

Daily Summary

Report Start Date 6/28/2017 06:00	Report End Date 6/29/2017 06:00	Footage (ftKB) 30.00	End Depth (ftKB) 16,937.0	Daily Field Est Total (Cost) 51,895.45	Cum Field Est To Date (Cost) 1,987,975.32
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Activity
DRILLING LATERAL @ 16,937'

24hr Activity

Com
CIRCULATE BOTTOMS UP, CHECK FLOW {OK}. PUMP SLUG. POOH F/16,907' T/12,192'. HOLE TAKING PROPER FILL ON TRIPTANK. PULL ROTATING HEAD ELEMENT, INSTALL TRIP NIPPLE. POOH F/12,192' T/2,996'. LAY DOWN AGITATOR. POOH F/2,975 T/92'. HOLE TAKING PROPER FILL ON TRIP TANK. FUNCTION BOP'S. DRAIN MOTOR {NO FLUID}, BREAK BIT, PULL MWD. LAY DOWN MUD MOTOR, MWD. PICK UP QES 4 3/4" MOTOR, 7:8 LOBE, 3.8 STAGE, 1.75° FIXED 0.56 REV/GAL. BIT TO BEND 4.45', BIT TO SURVEY 50', BIT TO GAMMA 36', MAKE UP UBHO, NEW MULE SHOE IN SUB, MONELS, SCRIBE MOTOR. INSTALL NEW MWD AND SURFACE TEST SAME. MAKE UP AND RE-RUN BAKER HUGHES 6 1/8' TD405FX SER.# 7162209. TIH T/93'. SERVICE RIG, TOP DRIVE, GREASE CROWN. CLEAN OBM OFF RIG FLOOR. TIH F/93' T/2,976'. PICK UP AGITATOR {21.93'} TOTAL 2,998.04'. TEST PRESSURE WITH 12.8 PPG OBM BEFORE PICK UP # 2 PUMP @ 85 SPM, 1,875 SPP, 247 GPM. AFTER PICK UP @ 70 SPM, 2,450 SPP, 247 GPM. 575 PSI PRESSURE DROP. HOLE GIVING PROPER DISPLACEMENT. TIH F/2,998' T/12,161'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS. REMOVE TRIP NIPPLE, INSTALL ROTATING HEAD ELEMENT TIH F/12,161' T/16,870'. HOLE GIVING PROPER DISPLACEMENT. FILL PIPE EVERY 30 STANDS. FILL PIPE AND REAM F/16,870' T/16,907' 250 GPM, 80 ROT, PP 4450 ROTATE DRILL F/16,907' T/16,937 ROP 30'HR @ 1HR WOB 25, GPM 250, ROT 80, PP 4800 , DIFF 350



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/29/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.70	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
17,197.00	92.30	162.70	11,949.59	-5,099.35	1,576.70	5,337.54	0.80
17,291.00	92.00	161.50	11,946.06	-5,188.74	1,605.57	5,431.47	1.32
17,385.00	91.20	162.70	11,943.44	-5,278.15	1,634.45	5,525.42	1.53
17,480.00	90.90	162.00	11,941.70	-5,368.66	1,663.25	5,620.40	0.80
17,574.00	91.10	162.50	11,940.06	-5,458.17	1,691.90	5,714.39	0.57

Daily Summary

Report Start Date 6/29/2017 06:00	Report End Date 6/30/2017 06:00	Footage (ftKB) 764.00	End Depth (ftKB) 17,701.0	Daily Field Est Total (Cost) 43,453.64	Cum Field Est To Date (Cost) 2,031,428.96
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Activity
CHANGING SWIVEL PACKING

24hr Activity

Com
DRILL ROTATE F/16,937' T/16,974', 37' @ 37 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4850, DIFF. 350, GPM 247, MMRPM 138.
DRILL SLIDE F/16,974' T/16,984'. 10' @ 6.7 FT/HR. WOB-25, SPP-4630, SPM 85, GPM 247, DIFF-105, TF 180.
DRILL ROTATE F/16,984' T/17,090', 106' @ 30.3 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4850, DIFF. 350, GPM 247, MMRPM 138.
DRILL SLIDE F/17,090' T/17,100'. 10' @ 10 FT/HR. WOB-25, SPP-4630, SPM 85, GPM 247, DIFF-105, TF 145L.
DRILL ROTATE F/17,100' T/17,152', 52' @ 52 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4650, DIFF. 350, GPM 247, MMRPM 138.
SERVICE RIG AND TOP DRIVE
DRILL ROTATE F/17,152' T/17,375', 223' @ 40.5 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4650, DIFF. 350, GPM 247, MMRPM 138.
DRILL SLIDE F/17,375' T/17,395'. 20' @ 20' FT/HR. WOB-12, SPP-4630, SPM 85, GPM 247, DIFF-105, TF 70R
DRILL ROTATE F/17,395' T/17,470', 75' @ 37.55 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4750, DIFF. 300, GPM 247, MMRPM 138.
DRILL SLIDE F/17,470' T/17,480'. 10' @ 10' FT/HR. WOB-22, SPP-4650, SPM 85, GPM 247, DIFF-200, TF 100L
DRILL ROTATE F/17,480' T/17,701', 221' @ 49 FT/HR . WOB 25, RPM 80, TQ: 7500K, SPP 4750, DIFF. 300, GPM 247, MMRPM 138.
CHANGE OUT SWIVEL PACKING ON TOP DRIVE



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 6/30/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.70	64

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
18,047.00	92.90	160.80	11,928.85	-5,904.13	1,848.31	6,186.67	1.39
18,141.00	91.00	163.10	11,925.65	-5,993.44	1,877.41	6,280.60	3.17
18,275.00	90.10	160.80	11,924.36	-6,120.83	1,918.92	6,414.58	1.84
18,330.00	90.60	160.40	11,924.03	-6,172.71	1,937.19	6,469.55	1.16
18,424.00	92.50	160.80	11,921.48	-6,261.33	1,968.40	6,563.45	2.07

Daily Summary

Report Start Date 6/30/2017 06:00	Report End Date 7/1/2017 06:00	Footage (ftKB) 818.00	End Depth (ftKB) 18,519.0	Daily Field Est Total (Cost) 32,176.00	Cum Field Est To Date (Cost) 2,063,604.96
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Activity
DRILLING LATERAL @ 18,519'

24hr Activity

Com
FINISH CHANGING OUT SWIVEL PACKING
DRILL ROTATE F/17,701' T/17,730', 29' @ 29 FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.
DRILL SLIDE F/17,730' T/17,742'. 12' @ 12' FT/HR. WOB-25, SPP-4450, SPM 85, GPM 247, DIFF-150, TF 120L
DRILL ROTATE F/17,742' T/18,003', 261' @ 47.5 FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.
SERVICE RIG, TOP DRIVE.
TROUBLE SHOOT MWD, RECYCLE PUMPS 4 TIMES.
DRILL ROTATE F/18,003' T/18,112', 109' @ 43.6 FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.
DRILL SLIDE F/18,112' T/18,126'. 12' @ 9.33' FT/HR. WOB-7K, SPP-4600, SPM 85, GPM 247, DIFF-150, TF 150L
DRILL ROTATE F/18,126' T/18,191', 65' @ 32.5 FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.
DOWN LINK DIRECTIONAL MWD TOOL
DRILL ROTATE F/18,191' T/18,489', 298' @ 45.84 FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.
DRILL SLIDE F/18,489' T/18,499'. 10' @ 10' FT/HR. WOB-7K, SPP-4600, SPM 85, GPM 247, DIFF-150, TF 150L
DRILL ROTATE F/18,499' T/18,519', 20' @ 40' FT/HR . WOB 20, RPM 80, SPP 4700, DIFF. 250, GPM 247, TQ: 8000K, MMRPM 138.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/16/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/16/2017 06:00	Report End Date 5/17/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost) 36,635.00	Cum Field Est To Date (Cost) 133,395.00
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Activity
MOVE AND RIG UP

24hr Activity

Com

RIG 100% MOVED TO NEW LOCATION, 70% RIGGED UP. SET AND RIG UP MUD TANKS, PUMPS, SUB & CENTER STEEL, DERRICK IS READY TO BE SET UNTO RIG FLOOR.

sHUT DOWN FOR NIGHT FALL



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/1/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.60	61

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
18,706.00	90.80	156.90	11,913.02	-6,525.52	2,066.35	6,844.85	1.84
18,801.00	89.80	158.10	11,912.53	-6,613.28	2,102.70	6,939.51	1.64
18,895.00	90.90	160.40	11,911.95	-6,701.17	2,136.00	7,033.37	2.71
18,988.00	92.00	162.70	11,909.60	-6,789.36	2,165.42	7,126.32	2.74
19,082.00	91.90	160.90	11,906.40	-6,878.60	2,194.76	7,220.26	1.92

Daily Summary

Report Start Date 7/1/2017 06:00	Report End Date 7/2/2017 06:00	Footage (ftKB) 707.00	End Depth (ftKB) 19,226.0	Daily Field Est Total (Cost) 37,905.08	Cum Field Est To Date (Cost) 2,101,510.04
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Activity
DRILL LATERAL @ 19,226

24hr Activity

Com
DRILL ROTATE F/18,519' T/18,772', 253' @ 42.2' FT/HR . WOB 20, RPM 80, SPP 4800, DIFF. 250, GPM 247, TQ: 8100 K, MMRPM 138.
DRILL SLIDE F/18,772' T/18,787'. 15' @ 10' FT/HR. WOB-7K, SPP-4720, SPM 85, GPM 247, DIFF-170, TF 90R
DRILL ROTATE F/18,787' T/18,851', 64' @ 42.7' FT/HR . WOB 20, RPM 80, SPP 4890, DIFF. 340, GPM 247, TQ: 8100 K, MMRPM 138.
SERVICE RIG AND TOP DRIVE.
TROUBLE SHOOT MWD, RE-CYCLE PUMPS, CHANGE OUT TRANSDUCER.
DRILL ROTATE F/18,851' T/18,866', 15' @ 30' FT/HR . WOB 20, RPM 80, SPP 4890, DIFF. 340, GPM 247, TQ: 8100 K, MMRPM 138.
DRILL SLIDE F/18,866' T/18,878'. 12' @ 8' FT/HR. WOB-7K, SPP-4645, SPM 85, GPM 247, DIFF-95, TF 70R
DRILL ROTATE F/18,878' T/18,960', 82' @ 41' FT/HR . WOB 20, RPM 80, SPP 4880, DIFF. 330, GPM 247, TQ: 8100 K, MMRPM 138.
DRILL SLIDE F/18,960' T/18,970'. 10' @ 10' FT/HR. WOB-7K, SPP-4645, SPM 85, GPM 247, DIFF-95, TF 70R
DRILL ROTATE F/18,970' T/19,152', 182' @ 30.33' FT/HR . WOB 20, RPM 80, SPP 4745, DIFF. 195, GPM 247, TQ: 8100 K, MMRPM 138.
DRILL SLIDE F/19,152' T/19,162'. 10' @ 10' FT/HR. WOB-7K, SPP-4645, SPM 85, GPM 247, DIFF-95, TF 70R
DRILL ROTATE F/19,162' T/19,226', 64' @ 32' FT/HR . WOB 20, RPM 80, SPP 4850, DIFF. 300, GPM 247, TQ: 8100 K, MMRPM 138.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/3/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)
12.70	62

Rig Info
Rig
Scan, Producer

Rig Release Date
RR Date

Survey Information							
Date 5/19/2017	Description MWD	EW Tie In (ft) 0.00	NS Tie In (ft) 0.00	Azimuth Tie In (°) 0.0	Inclination Tie In (°) 0.0	MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary			
Report Start Date 7/3/2017 06:00	Report End Date 7/4/2017 06:00	Footage (ftKB) 482.00	End Depth (ftKB) 20,273.0
Activity TRIP IN HOLE @ 19,542'		Daily Field Est Total (Cost) 30,728.65	Cum Field Est To Date (Cost) 2,169,905.77

24hr Activity
Com
DRILL ROTATE F/19,791' T/20,261', 470' @ 40.9' FT/HR . WOB 18K, RPM 80, SPP 4825, DIFF. 375, GPM 247, TQ: 7735 K, MMRPM 138. SERVICE RIG AND TOP DRIVE. RE-CYCLING PUMPS TO GET SURVEY. DRILL ROTATE F/20,261' T/20,273', 12' @ 24' FT/HR . WOB 18K, RPM 80, SPP 4825, DIFF. 375, GPM 247, TQ: 7735 K, MMRPM 138. {TD WELL} PUMP 2 HIGH VIS, WEIGHTED SWEEP'S AND CIRCULATE 2 BOTTOMS UP WORKING FULL STAND @ 90 RPM, 262 GPM, 4890 SPP, 147 MMRPM @ 45FT/MIN. CHECK FLOW, PUMP SLUG, POOH F/20,273' T/18,961'. HOLE TAKING PROPER FILL ON TRIP TANK. BACK REAM THOUGH TIGHT SPOT F/18,961' T/18,866' PUMP SLUG, POOH F/18,961' T/16,807'. HOLE TAKING PROPER FILL ON TRIP TANK. TIH F/16,807' T/17,121 HOLE GIVING PROPER DISPLACEMENT WASH AND REAM F/17,121 T/17,184' TIH F/17,184' T/18,631' HOLE GIVING PROPER DISPLACEMENT WASH AND REAM F/18,631, T/18,811' TIH F/18,811' T/19,542' HOLE GIVING PROPER DISPLACEMENT



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/4/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.75	64

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary

Report Start Date 7/4/2017 06:00	Report End Date 7/5/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 20,273.0	Daily Field Est Total (Cost) 25,625.00	Cum Field Est To Date (Cost) 2,195,530.77
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Activity
LAYING DOWN BHA

24hr Activity

Com
WASH AND REAM F/19,542' T/20,273. WOB 10, SPP 4750, GPM 247, RPM 80, TQ: 5800. SERVICE RIG AND TOP DRIVE. PERFORM CLEAN UP CYCLE. CIRULATE 7 BOTTOMS UP. TOTAL OF 52,389 STROKES. WORK FULL STAND @ 45 FT/MIN. 95 RPM, TQ: 5175, 270 GPM, 151 MMRPM, 5075 SPP. PUMPED 2 - 30 BBL HIGH VIS WEIGHTED SWEEPS. PUMPED AND SPOTTED 30 BBL 90 VIS/ WEIGHTED PILL ON BOTTOM. TOOH F/20,273' T/15,930' HOLE TAKING PROPER FILL WITH NO ISSUES. WAIT ON STORM TO PASS. LIGHTNING, RAIN ,HAIL AND HIGH WINDS TOOH F/15,930' T/12,161' HOLE TAKING PROPER FILL WITH NO ISSUES. PULL ROTATING HEAD AND INSTALL TRIP NIPPLE TOOH F/12,161' TO DIRECTIONAL BHA. HOLE TAKING PROPER FILL WITH NO ISSUES.



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/5/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
12.80	65

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary

Report Start Date 7/5/2017 06:00	Report End Date 7/6/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 20,273.0	Daily Field Est Total (Cost) 24,625.00	Cum Field Est To Date (Cost) 2,220,155.77
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Activity
RUNNING LINER @ 19,900'

24hr Activity

Com
POOH
L/D DIRECTIONAL TOOLS
PULLED WEAR BUSHING
CLEARED RIG FLOOR AND SERVICE RIG
HELD PJSM AND R/U USC THOMPSON CASING CREW
RAN CASING AS FOLLOWS , FLOAT SHOE, 1 JT. 4 1/2" P-110 13.5# BTC CASING, FLOAT COLLAR, 1 JT. CASING, LANDING COLLAR, 1 JT. CASING, ALPHA SLEEVE, 33 JTS. 4 1/2" CASING, MARKER JT., 150 JTS. CASING, MARKER JT, 13 JTS. CASING, BAKER LINER HANGER AND PACKER
RIG DOWN CASING CREW
TIH (11,386') OF DRILL PIPE; (8,887') OF 4 1/2" PRODUCTION LINER (TOP OF LINER @ 11386' , SHOE @ 20,273')



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/6/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary

Report Start Date 7/6/2017 06:00	Report End Date 7/7/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 20,273.0	Daily Field Est Total (Cost) 538,510.00	Cum Field Est To Date (Cost) 2,758,665.77
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Activity
LAYING DOWN DRILL PIPE @ 867'

24hr Activity

Com
RAN LAST 3 STDS. OF DRILL PIPE WASHED DOWN LAST STAND AND TAGGED BTM. @ 20,273'
CIRC WITH RIG PUMP
DROPPED FIRST BALL AND WAITED 30 MIN. PRESSURED UP TO 1400# TO SET HANGER, BLOW BALL SEAT W/ 2350#, L/D PUP JT. AND DROPPED SECOND BALL, P/U BAKER CEMENT HEAD, PRESSURED UP TO 2000# AND BLEW BALL SEAT AND RELEASED LINER, P/U TO VERIFY LINER WAS GONE (LOST LINER WT.)
HELD PJSM AND R/U HALLIBURTON AND CEMENTED AS FOLLOWS TESTED LINES TO 8500# OK PUMPED 30 BBL. SPACER SWEEP @ 13.0 PPG CLEANSPECER III + 4 LBM/BBL CHEM, FDP-C1193-15 + 4 LBM/BBL FDP-C1194-15, 0.50 LBM/BBL D-AIR 5000, 790 SXS VERSACEM SYSTEM 0.40% HALAD (R) -344 + 0.25 LBM/SK D-AIR 5000 + 0.30% HR-601 @ 14.4 PPG AND 20 BBL SPACER SWEEP MMCR DISPLACEMENT + 0.50 GAL/BBL MICRO MATRIX RETARDER, DISPLACED LINER WITH WATER 110 BBL, 10 BBL WATER BASED SPACER 11 LBM/GAL CLEANSPECER 111 + 4 LBM/BBL CHEM, FDP-C1193-15 + 4 LBM/BBL FDP-C-1194-15 + 0.50 LBM/BBL D-AIR 5000
SET PACKER AND PULLED OUT OF TOP OF LINER AND PREPARE TO REVERSE OUT
REVERSED OUT WITH RIG PUMP
DISPLACE OBM IN HOLE WITH BRINE WATER
TEST LINER TOP TO 14.5 # EMW (2,875 PSI) THE LAST SHOE TEST
LAYDOWN BAKER LINER/CEMENT HEAD
CLEANED RIG FLOOR AND HELD SAFETY MEETING ON LAYING DOWN DRILL PIPE
LAYDOWN DRILL PIPE F/11,386' T/868'



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/7/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary

Report Start Date 7/7/2017 06:00	Report End Date 7/8/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 20,273.0	Daily Field Est Total (Cost) 24,625.00	Cum Field Est To Date (Cost) 2,783,290.77
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Activity
NIPPLE DOWN BOP'S

24hr Activity

Com
L/D DRILL PIPE L/D BAKER LINER RUNNING TOOL TIH W/ DRILL PIPE OUT OF DERRICK SERVICE RIG REMOVED DRIP PANS FROM RIG FLOOR REMOVED TOOLS FROM RIG FLOOR AND CLEAN OFF OIL BASE MUD L/D DRILL PIPE RIG DOWN BELLS, ELEVATORS, BREAK TOP DRIVE SUBS, P/U PICKUP LINES FOR BOP AND CLEAN RIG FLOOR RIG DOWN PVC CUTTINGS LINES AND START RIGGING DOWN BACK YARD WHILE 3RD PARTY PERSONAL WASH BOP'S REMOVE FLOWLINE, NIPPLE DOWN ROTATING HEAD, REMOVE TURN BUCKLES AND KOOMEY LINES. BREAK BOP FROM WELLHEAD AND NIPPLE DOWN



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 7/8/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig
Scan, Producer

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017	MWD	0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
19,929.00	90.30	161.30	11,883.24	-7,687.22	2,444.37	8,066.49	1.49
20,023.00	91.80	163.60	11,881.52	-7,776.82	2,472.71	8,160.47	2.92
20,117.00	91.60	164.30	11,878.73	-7,867.11	2,498.69	8,254.39	0.77
20,211.00	89.40	160.40	11,877.91	-7,956.66	2,527.18	8,348.36	4.76
20,223.00	89.40	160.40	11,878.03	-7,967.97	2,531.21	8,360.35	0.00

Daily Summary

Report Start Date 7/8/2017 06:00	Report End Date 7/9/2017 06:00	Footage (ftKB) 0.00	End Depth (ftKB) 20,273.0	Daily Field Est Total (Cost) 24,625.00	Cum Field Est To Date (Cost) 2,807,915.77
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Activity
RELEASED RIG @ 1200 HRS

24hr Activity

Com
NIPPLE DOWN BOP'S
INSTALLED NIGHT CAP ON WELLHEAD



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/17/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary

Report Start Date 5/17/2017 06:00	Report End Date 5/18/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost) 21,235.00	Cum Field Est To Date (Cost) 154,630.00
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Activity
RIG UP

24hr Activity

Com

SET DRAWWORKS ON SUB,CENTER SUB OVER HOLE,SET DERRICK ONTO RIG FLOOR,SET C TOPDRIVE HOUSE, WATER TANK AND JUNK BOX. RIG UP HANDRAILS ON RIG FLOOR AND HOOKED UP ELECTRIC LINES TO DRAW WORKS.SET WATER TANKS, TRIP TANK, GAS BUSTER , FESTOON RACK AND FLOWLINE TO SHAKERS.STRING UP BLOCKS. HELD SAFET MEETING. RAISED AND PINNED DERRICK. RIG 100% MOVED ONTO NEW LOCATION. 90% RIGGED UP.
SHUT DOWN FOR NIGHTFALL



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/18/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties	
Dens (lb/gal)	Vis (s/qt)

Rig Info
Rig

Rig Release Date
RR Date

Survey Information							
Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)

Daily Summary					
Report Start Date 5/18/2017 06:00	Report End Date 5/19/2017 06:00	Footage (ftKB)	End Depth (ftKB) 0.0	Daily Field Est Total (Cost) 114,485.00	Cum Field Est To Date (Cost) 296,436.00

Activity
RIGGING UP

24hr Activity
Com
BRIDAL DOWN , RIG UP AIRHOIST,RIG UP ELECTRIC LINES TO TOPDRIVE TRACK,SET & RIG UP CAT WALK, RIG UP TOPDRIVE , STAND PIPE & KELLY HOSE. CONTINUED TO RIG UP RIG UP TO SPUD



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/19/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017		0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
548.00	0.60	7.00	547.99	1.92	0.70	1.92	0.26
606.00	0.10	6.00	605.99	2.27	0.75	2.27	0.86
665.00	0.20	344.00	664.99	2.42	0.72	2.42	0.19
695.00	0.20	3.00	694.99	2.53	0.71	2.53	0.22
819.00	0.40	354.00	818.99	3.17	0.68	3.17	0.17

Daily Summary

Report Start Date 5/19/2017 06:00	Report End Date 5/20/2017 06:00	Footage (ftKB) 1,080.00	End Depth (ftKB) 1,165.0	Daily Field Est Total (Cost) 21,235.00	Cum Field Est To Date (Cost) 323,381.00
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Activity
DRILLING SURFACE

24hr Activity

Com
NIPPLE UP CONDUCTOR, TURN BUCKLES, FLOWLINE, FRESH WATER FAST LINE TO WATER TANK LOAD BHA ON PIPE RACK , STRAP CALIBRATE , GET FISHING NECKS, CALIBRATE FOR ID'S & OD'S OF BHA PRE-SPUD SAFETY INSPECTION MAKE UP BIT, RSS,MOTOR AND MWD SERVICE RIG DRILLING SURFACE FROM 85' TO 1165' @ 83' A HR. (1080')



Partner - Drilling

Well Name: UNIVERSITY BLK 20 1307H

Date: 5/20/2017

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017		0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
2,137.00	1.50	50.00	2,136.92	6.85	7.87	6.85	0.22
2,231.00	1.90	56.00	2,230.87	8.51	10.10	8.51	0.47
2,325.00	2.50	59.00	2,324.80	10.44	13.15	10.44	0.65
2,419.00	2.80	63.00	2,418.70	12.54	16.95	12.54	0.37
2,514.00	3.10	60.00	2,513.58	14.87	21.25	14.87	0.36

Daily Summary

Report Start Date 5/20/2017 06:00	Report End Date 5/21/2017 06:00	Footage (ftKB) 1,410.00	End Depth (ftKB) 2,575.0	Daily Field Est Total (Cost) 17,835.00	Cum Field Est To Date (Cost) 313,266.00
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Activity
POOH FOR NEW BHA

24hr Activity

Com
DRILLING F/ 1165' TO 2575' WOB-30, RPM-60, GPM-750, TORQUE-3-4K (HAD TO SLOW ROTARY DOWN F/ 110 TO 60 DUE TO TOOL NOT BEING ABLE TO WORK AT THAT RPM. HAD TO BACK OFF OF ROP DUE TO TOOL WALKING COULD NOT STRAIGHTEN IT OUT AT THE RATE WE WERE DRILLING)
RECALIBRATE AUTO-DRILLER AND BLOCK HEIGHT
SERVICE RIG & TOPDRIVE
PUMP SWEEP & CIRC. HOLE CLEAN TO POOH FOR DIRECTIONAL TOOL FALIURE
POOH T/1729'
CIRC. AND WAIT ON SAFETY SOLUTION TO SHOW UP ON RIG AND GIVE OK FOR SCAN PERSONAL TO GO BACK TO WORK AFTER H2S FALSE ALARM. SCAN HAD 3RD PARTY HAND ON LOCATION. 3RD PARTY HANDS H2S MONITOR WENT OFF AFTER GETTING IT WET. NO H2S WAS PRESENT.
MIDLAND SAFETY REPRESENTATIVE ARRIVED AND CLEAR RIG TO WORK. NO H2S PRESENT.
POOH TO DIR. TOOL
BREAK OFF BIT AND LAYDOWN NOV VECTOR TRUE SELF GUIDING WITH MWD TOOL & MOTOR
STRAP & CALIPER DIR. TOOLS (ULTERRA 12 1/4" U616 , WEATHERFORD 8" 1.5° MOTOR, MONEL AND MWD TOOL)

**Partner - Drilling****Well Name: UNIVERSITY BLK 20 1307H****Date: 5/21/2017**

Well Name UNIVERSITY BLK 20 1307H	API/UWI 4249533710	State/Province Texas	County Winkler
Permit Number 813658	Spud Date 5/19/2017 17:00	Ground/Corrected Ground Elevation (ft) 2,813.00	KB-Ground Distance (ft) 26.50

Mud Properties

Dens (lb/gal)	Vis (s/qt)
9.50	28

Rig Info

Rig

Rig Release Date

RR Date

Survey Information

Date	Description	EW Tie In (ft)	NS Tie In (ft)	Azimuth Tie In (°)	Inclination Tie In (°)	MD Tie In (ftKB)	TVD Tie In (ftKB)
5/19/2017		0.00	0.00	0.0	0.0	0.00	0.00
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
2,703.00	2.40	55.10	2,702.36	19.69	28.92	19.69	0.39
2,892.00	2.60	54.80	2,891.18	24.43	35.67	24.43	0.11
3,080.00	3.10	57.00	3,078.95	29.66	43.41	29.66	0.27
3,268.00	3.40	61.90	3,266.64	35.05	52.60	35.05	0.22
3,363.00	2.40	72.10	3,361.52	36.99	56.97	36.99	1.18

Daily Summary

Report Start Date 5/21/2017 06:00	Report End Date 5/22/2017 06:00	Footage (ftKB) 991.00	End Depth (ftKB) 3,566.0	Daily Field Est Total (Cost) 17,285.00	Cum Field Est To Date (Cost) 330,551.00
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Activity
DRILLING SURFACE @ 3,566'.

24hr Activity

Com
P/U MUD MOTOR, MONEL, UBHO SUB, MONEL, MWD AND BIT RR #1 TIH TO 2575' TROUBLE SHOOT MWD SCREEN AND SET UP TO SLIDE SLIDE F/ 2575' TO 2605' WOB-20, ROP-30, PSI-2100, DIFF-200, GPM-750, TF-240 ROTATE F/ 2605' TO 2844' WOB-30, ROP-120, RPM-90, PSI-2600, DIFF-500, GPM-750, TQ.-7K SLIDE F/ 2844' TO 2854' WOB-20, ROP-20, PSI-2100, DIFF-80, GPM-750, TF-240 ROTATE F/ 2854' TO 2938' WOB-35, ROP-90, RPM-100, PSI-2600, DIFF-550, TQ.-9K SERVICE RIG AND TOP DRIVE. DRILL ROTATE F/ 2,938' TO 3,032'. [94' FT/HR] (WOB - 35 = SPM - 110/110 = PSI - 2,100 = DIFF - 500 = TQ - 9K) SLIDE F/ 3,032' TO 3,081' [AVG ROP 49' FT/HR] WOB-10, ROP-50, PSI-2100, DIFF-200, GPM-750, TF-240 DRILL ROTATE F/ 3,081' TO 3,157'. [AVG ROP 76' FT/HR] (WOB - 35 = SPM - 110/110 = PSI - 2,100 = DIFF - 300 = TQ - 9K) SLIDE F/ 3,157' TO 3,209' [52' FT AVG ROP 34.66' FT/HR] WOB-11, ROP-45, SPM - 110/110, PSI-2300, DIFF-80, GPM-750, TF-240 DRILL ROTATE F/ 3,209' TO 3,314'. [105' FT AVG ROP 70' FT/HR] (WOB - 30 = SPM - 110/110 = PSI - 2,550 = DIFF - 300 = TQ - 7-8K = GPM - 750) SLIDE F/ 3,314' TO 3,385' [95' FT AVG ROP 23.75' FT/HR] WOB-11, ROP-45, SPM - 110/110, PSI-2300, DIFF-80, GPM-750, TF-240 DRILL ROTATE F/ 3,409' TO 3,440'. [31' FT AVG ROP 62' FT/HR] (WOB - 33 = ROP - 100 SPM - 110/110 = PSI - 2,630 = DIFF - 300 = TQ - 7-8K = GPM - 750) SLIDE F/ 3,440' TO 3,566' [126' FT AVG ROP 31.5' FT/HR] WOB-25, ROP-20, SPM - 110/110, PSI-2300, DIFF-70, GPM-750, TF-240