



UTL 3748 37A 1H

Report Number: 44
Report End Date: 2022-10-11
Days From Spud (days): 26.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary	End Depth (ftKB)	Footage (ft)
Drill 8 3/4" Intermediate #3 F/14,215' T/15,630' (1,415') 64.3'/hr. Service Rig. Circulate Clean up cycle	15,630	1,415

Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	17:30	11.50	DRILL	Drill 8 3/4" Intemediate F/ 14,215' T/14,996' Rot: 695' @ 99'/hr (7 hrs) Slide 86' @ 19'/hr (4.5 hr) Drill through full open MPD holding 150 psi on connections WOB: 15-25K RPM: 40-75 GPM: 550-575 GPM Off/Btm SPP: 5,700 PSI On/Btm SPP: 6,100PSI Diff: 300-500 PSI O/B TQ: 7k TQ: 10-13K
17:30	18:00	0.50	RIGSRV	Service Rig. SPR @ 14,877' 14# M.W. #1 Pump 30/40/50 676/820/980 #2 Pump 30/40/50 654/800/940
18:00	04:30	10.50	DRILL	Drill 8 3/4" Intemediate F/ 14,996' T/15,630' (Casing Point) Rot: 634' @ 60.3'/hr (10.5 hrs) Slide 0' @ 0'/hr (0 hr) Drill through full open MPD holding 150 psi on connections WOB: 28-35K RPM: 40-75 GPM: 550-575 GPM Off/Btm SPP: 5,700 PSI On/Btm SPP: 6,100PSI Diff: 300-500 PSI O/B TQ: 7k TQ: 10-13K SD: 15,568' INC: 2.42° AZM: 202.73° TVD: 15,562.88' Behind: -48.0 Right 127.0 Pipe count / Correct 5" Dp in the hole - 468Jnts 5" Dp on the ground - 165 Jnts 5" HWDP in the hole - 15 Jnts 5" HWDP on the ground - 18 Jnts Total 5" DP - 633 Jnts Total 5" HWDP -33 Jnts
04:30	05:00	0.50	RIGSRV	Service Rig. SPR @ 15,630' 14# M.W. #1 Pump 30/40/50 458/634/846 #2 Pump 30/40/50 426/594/752
05:00	06:00	1.00	CIRC	Condition and circulate hole clean while reciprocating drill string with 55 RPM, 575 gpm, 5,800 psi. Offline: Build slug, Fill trip tanks.

BHA #9, Intermediate Vertical

Size (in) 8 3/4	Model U716	Make Ulterra	Serial Number 63108	Nozzles (1/32") 15/15/15/15/15/15
Avg ROP (ft/hr) 63.6	Depth In (ftKB) 14,200.0	Depth Out (ftKB) 15,630.0	Depth Drilled (ft) 1,430.00	Drilling Time (hr) 22.50

BHA #8, Intermediate Vertical

Size (in) 8 3/4	Model TKC66	Make Reed	Serial Number A292291	Nozzles (1/32") 16/16/16/16/16/16
Avg ROP (ft/hr) 26.6	Depth In (ftKB) 12,301.0	Depth Out (ftKB) 14,200.0	Depth Drilled (ft) 1,580.00	Drilling Time (hr) 59.50

Mud Checks

Density (lb/gal) 14.00	Funnel Viscosity (s/qt) 76	PV Calc (cP) 34.0	YP Calc (lb/100ft²) 15.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
15,474.00	15,468.952	2.41	195.89	232.191	0.410	-208.148	102.967

For information concerning Production data or Production reporting, please contact: ProductionVolumes@clr.com.



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15,568.00	15,562.869	2.42	202.73	235.003	0.307	-211.880	101.659
15,630.00	15,624.813	2.42	202.73	236.751	0.000	-214.294	100.648
Costs							
AFE Number DL10535		Daily Total (Cost) 99,480.50		Field Est To Date (Cost) 5,062,627.66		Total Field Estimate (Cost) 5,062,627.66	



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Report Number: 52
Report End Date: 2022-10-19
Days From Spud (days): 34.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Continue to TOH F/ 7,967' to BHA. C/O BHA. TIH F/ BHA to 15,810'. Wash for safety F/ 15,810' to 15,866'. Drill 6 3/4" Curve F/15,866' T/16,128' (262") 40'/hr.	End Depth (ftKB) 16,128	Footage (ft) 262
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	10:00	4.00	TOOH	Continue to TOH with 6 3/4" curve assembly from 7,967' to BHA. Hole taking proper fill.
10:00	10:30	0.50	REPR	Rig downtime- St-100 would not extract out. Service safety switch and equipment functioned as designed.
10:30	11:00	0.50	PULDBHA	Lay down 6 3/4" curve BHA. Bit Grade:2-8-RO-S-X-0-WT-BHA
11:00	12:00	1.00	PULDBHA	Make up 6 3/4" curve BHA as follows: , 5" 2.12 6:7, 10 stage mud motor, Float sub, UBHO sub. (2) NMDC, X/O sub to 99.29'. Install MWD and test. Test good.M/U Ulterra 6 3/4" U611 TFA .663
12:00	21:00	9.00	TIH	TIH with 6 3/4" curve assembly from 96' to 14,571'. Fill pipe every 30 std w/pump in sub. Hole giving proper displacement.
21:00	21:30	0.50	RIGSRV	Service Rig.
21:30	22:00	0.50	TIH	Change out elevators to 5" elevators. Verified by CLR REP D.R.
22:00	22:30	0.50	TIH	Continue to TIH F/ 14,571' to 15,810'. Fill pipe every 30 std w/pump in sub. Hole giving proper displacement.
22:30	23:00	0.50	WASH/REAM	Orient drill string and wash from 15,810' to 15,866'. @250 GPM 2,600 PSI
23:00	05:30	6.50	DRILL	Drill 6 3/4" curve F/ 15,866' to 16,128'. (262') Slide 227' @ 38'/hr(6hrs) Rot 35' @ 70'/hr (.5hrs) WOB: 10-15K RPM: 0 GPM: 275-300GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 3,850PSI Diff: 450 PSI O/B TQ: 6 k TQ: 10 K SD: 16,037' INC: 32.20° AZM: 164.37° TVD: 16,013.94' Behind: 8' Right: 9'
05:30	06:00	0.50	RIGSRV	Service Rig. SPRs @ 16,000 11.5 MW MP#1 30- 680 PSI 40- 850 PSI 50- 1100 PSI SICP-0 PSI SIDP -0 PSI Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 24 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 120 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0 Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole - 27 Jnts 5"XT Dp on the ground - 212Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt

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BHA #11, Curve							
Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 63790	Nozzles (1/32") 12/12/12/12/12/12			
Avg ROP (ft/hr) 40.3	Depth In (ftKB) 15,866.0	Depth Out (ftKB) 16,128.0	Depth Drilled (ft) 262.00	Drilling Time (hr) 6.50			
BHA #10, Curve							
Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 61610	Nozzles (1/32") 12/12/12/12/12/12			
Avg ROP (ft/hr) 11.8	Depth In (ftKB) 15,630.0	Depth Out (ftKB) 15,866.0	Depth Drilled (ft) 236.00	Drilling Time (hr) 20.00			
Mud Checks							
Density (lb/gal) 11.50	Funnel Viscosity (s/qt) 53		PV Calc (cP) 15.0	YP Calc (lbf/100ft²) 8.000			
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
15,941.00	15,929.942	25.62	163.45	282.597	16.126	-260.123	110.662
16,037.00	16,013.933	32.20	164.37	328.760	6.870	-304.700	123.480
16,096.00	16,063.858	32.20	164.37	360.028	0.000	-334.977	131.950
Costs							
AFE Number DL10535	Daily Total (Cost) 105,994.41		Field Est To Date (Cost) 6,321,216.26	Total Field Estimate (Cost) 6,321,216.26			



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Report Number: 53
Report End Date: 2022-10-20
Days From Spud (days): 35.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Drill 6 3/4 Curve & Lateral F/16,128 T/ 16,699', (571') @ 57.1 FPH (LP@16,478) Circulate Wellbore clean. Backream F/16,699 T/15,740 TOO H F/15,740 T/2,500 for RSS	End Depth (ftKB) 16,699	Footage (ft) 571
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	08:00	2.00	DRILL	Drill 6 3/4" Curve F/ 16,128' T/ 16,222' (94' @ 47 FPH) Slide 94' @ 47'/hr(2hrs) WOB: 18-20K RPM: 0 GPM: 300GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 3,850PSI Diff: 450 PSI O/B TQ: 6 k TQ: 10 K
08:00	09:00	1.00	CIRC	Circulate and Discuss Curve Options with Engineer, Geology, Supts, and Directional.
09:00	14:00	5.00	DRILL	Drill 6 3/4" Curve F/16,222' T/16,508' Slide 286' @ 57.2'/hr (5hrs) WOB: 50-60K RPM: 0 GPM: 250GPM Off/Btm SPP: 2,500 PSI On/Btm SPP: 3,700PSI Diff: 1,000-1,200 PSI O/B TQ: 6 k TQ: 10 K Landed Curve @ 16,478' Survey Depth 16,419' Inc: 80.23° Azi: 153.50° TVD: 16,243 L/R: 20' R A/B: 47' L Projection to Bit Depth: 16,478' Inc: 91.55 Azi: 153.50 TVD: 16,247
14:00	16:30	2.50	DRILL	Drilling F/ 16,508' T/ 16,662' Rotate 154' @ 61.6'/hr (2.5hrs) WOB: 20K RPM: 30 GPM: 250GPM Off/Btm SPP: 2,500 PSI On/Btm SPP: 3,200PSI Diff: 600-700 PSI O/B TQ: 6 k TQ: 10 K
16:30	17:00	0.50	RIGSRV	Lube TDS, Block, and Drawworks
17:00	17:30	0.50	DRILL	Drilling F/ 16,662' T/ 16,699' Rotate 37' @ 74'/hr (0.5hrs) WOB: 20K RPM: 30 GPM: 250GPM Off/Btm SPP: 2,500 PSI On/Btm SPP: 3,200PSI Diff: 600-700 PSI O/B TQ: 6 k TQ: 10 K Final Survey: SD: 16,640' INC: 94.09° AZM: 147.61° TVD: 16,241.77' A/B: 42' B L/R: 8' R
17:30	20:30	3.00	CIRC	Circulate Shakers Clean @ 250 GPM and 30 RPM while working the drillstring a full 90' to TOO H for 6 3/4" Lateral RSS Assy.



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20:30	23:00	2.50	WASH/REAM	Flow Check/ Record SIDP&SICP Well Static 0 PSI Backream through Curve F/16,698 T/15,740 As Per CLR procedure. TOH F/ 15,740 T/15,630 250 GPM 30 RPM 20 FPM 2500 PSI OFF BTM TQ 6k TQ during Backream out 5-7k
23:00	23:30	0.50	CIRC	Flow Check/ Record SIDP&SICP Well Static 0 PSI Pump Slug.
23:30	00:00	0.50	TOOH	TOH F/15,630 T/14,567 Monitoring Retrurns on trip tank.
00:00	00:30	0.50	BOPO	Pull Rot head on last stand of 5' DP Change out Elevators from 5" To 4.5" verified by CLR Rep. D.R. Install Trip nipple
00:30	05:30	5.00	TOOH	TOH with delta 425 F/14,567 T/2,500 Monitoring Returns on trip tank.
05:30	06:00	0.50	RIGSRV	Service Rig. Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 0 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 144 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 63 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 315Jnts 4.5" HWDP in the hole - 12 Jnts 4.5" HWDP in the derrick-69 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -0 Jnts 5"XT Dp on the ground - 194 Jnts 5"XT Dp in th derrick- 45 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt

BHA #11, Curve

Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 63790	Nozzles (1/32") 12/12/12/12/12/12
Avg ROP (ft/hr) 50.5	Depth In (ftKB) 15,866.0	Depth Out (ftKB) 16,699.0	Depth Drilled (ft) 833.00	Drilling Time (hr) 16.50

BHA #10, Curve

Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 61610	Nozzles (1/32") 12/12/12/12/12/12
Avg ROP (ft/hr) 11.8	Depth In (ftKB) 15,630.0	Depth Out (ftKB) 15,866.0	Depth Drilled (ft) 236.00	Drilling Time (hr) 20.00

Mud Checks

Density (lb/gal) 11.50	Funnel Viscosity (s/qt) 50	PV Calc (cP) 15.0	YP Calc (lbf/100ft²) 9.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
16,607.00	16,244.120	93.70	148.47	805.266	2.328	-733.211	333.161
16,640.00	16,241.878	94.09	147.61	837.966	2.856	-761.144	350.588
16,699.00	16,237.670	94.09	147.61	896.364	0.000	-810.838	382.113

Costs

AFE Number DL10535	Daily Total (Cost) 92,220.96	Field Est To Date (Cost) 6,413,512.22	Total Field Estimate (Cost) 6,413,512.22
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Report Number: 54
Report End Date: 2022-10-21
Days From Spud (days): 36.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
Daily Operations							
Operations Summary Finish TOH L/D curve BHA P/U RSS Lateral Tools. TOH T/15,730 W&R through Curver F/15,730 T/16,699. Drill Laterl with 6.75 RSS F/16,699 T/16,806 107' @71 FPH						End Depth (ftKB) 16,806	Footage (ft) 107
Time Log							
Start Time	End Time	Dur (hr)	Ops Code	Description			
06:00	07:30	1.50	TOOH	TOOH F/2,500' T/ 95' to Pick 6 3/4" Lateral RSS Assy.			
07:30	08:30	1.00	PULDBHA	L/D Top NMDC, Pull MWD , Drain Mud Motor (drained properly with no slack or squat), Break Bit (Bit Graded 1-1), Continue laying down BHA from Mousehole NMDC, UBHO, Float Sub, and Motor.			
08:30	10:30	2.00	PULDBHA	P/U 6 3/4" Lateral Assy, Orbit RSS, UBHO, NMDC, Stabilizer, Filter Sub, Scout Stick Slip Torque Sub, M/U 6 3/4" Ulterra U613M, RIH, P/U 5" Dual Stab Superhawk 7:8, 7.0, 0.0 FBH., Surface Test @ 100 GPM (850 PSI) Good Test.			
10:30	17:30	7.00	TIH	TIH F/122' T/ 14,614, Filling pipe every 30 stands and monitoring displacement on trip tanks. (Typhoon Reamer picked up @ 600')			
17:30	18:00	0.50	RIGSRV	Rig Service			
18:00	18:30	0.50	BOPO	Pull Trip nipple on last stand of 4.5" Drill pipe. Change out elevators from 4.5" to 5' Drill pipe Verified by CLR Rep D.R.			
18:30	19:00	0.50	TIH	TIH F/14,614 T/15,563 Fill pipe at shoe.			
19:00	20:30	1.50	CUTDL	Cut and Slip 90 ft of drill line.			
20:30	21:00	0.50	TIH	TIH with RSS F/15,563 T/15,730 Obtain P/U & S/O weights before entering open hole. P/U 345k S/O 315k			
21:00	21:30	0.50	TIH	@15,730 Started taking weight, Slacked off to 295k String weight picked back up to 355k made second attempt to slack off and verified that tool joint was not in Rotating head. Slacked off to 300k Picked back up to 365k (20k over P/U) would not breakover. Made call to Supers to discuss next action. Staged pumps up @ 5 Stks each time until Flow was achieved @ 1500 PSI . Staged up 140 GPM. Pressure came up to 3,800 PSI. Attempt to break free with rotary with stall limit set to 15k. Pipe stalled out, released TQ. Worked pipe down to 325k/ back up to 365k, on second try worked pipe down to 315k/ back up to 365k Pipe came free and Pressure dropped T/1,350 PSI and leveled out.Picked up above tight spot T/15,661 Staged pumps up to 250 GPM @3,300 PSI Engaged rotary to 35 RPM. Record PSI 3300 PSI and TQ 5k Off BTM and discussed plan of action with Supers.			
21:30	23:00	1.50	WASH/REAM	Wash and Ream F/15,661 T/15852 @ 6FPM 250 GPM 3,300 PSI TQ 4-7k 35 RPM			
23:00	23:30	0.50	TIH	TIH F/15,852 T/16,075			
23:30	00:00	0.50	TIH	Began taking weight @16,075 Slacked off T/ 310k (10 below S/O of 320K) picked up to 370K(20k over P/U of 350k) Pipe would not break over. Discuss with Super on form of action. Picked up to 380K to attempt to free pipe back down to 350, and back up to 390k Pipe came free. Decison was made to continue washing and reaming the remainder of DP in hole to BTM.			
00:00	03:30	3.50	WASH/REAM	Wash and Ream F/16,075 T/16,699 @ 6FPM 250 GPM 3,300 PSI TQ 4-7k 35 RPM			
03:30	04:30	1.00	DIR	Downlink RSS to Gravity mode.			
04:30	05:30	1.00	DRILL	Drill 6.75 Lateral F/ 16,699' T/ 16,806' Rotate107' @ 71'/hr (1.5hrs) WOB: 25K RPM: 60 GPM: 260GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 4,000PSI Diff: 600 PSI O/B TQ: 6 k TQ: 11,00 K Final Survey: SD: 16,673' INC: 94.67° AZM: 146.67° TVD: 16,239.25' A/B: 39' B L/R: 3.3' R			



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05:30	06:00	0.50	RIGSRV	Service Rig. Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 24 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 120 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -45 Jnts 5"XT Dp on the ground - 194 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt			
BHA #12, Lateral							
Size (in) 6 3/4		Model U613		Make Ulterra		Serial Number 62081	
Nozzles (1/32") 11/11/11/11/11/11		Avg ROP (ft/hr) 71.3		Depth In (ftKB) 16,699.0		Depth Out (ftKB) 16,806.0	
Depth Drilled (ft) 107.00		Drilling Time (hr) 1.50					
BHA #11, Curve							
Size (in) 6 3/4		Model U611S		Make Ulterra		Serial Number 63790	
Nozzles (1/32") 12/12/12/12/12/12		Avg ROP (ft/hr) 50.5		Depth In (ftKB) 15,866.0		Depth Out (ftKB) 16,699.0	
Depth Drilled (ft) 833.00		Drilling Time (hr) 16.50					
Mud Checks							
Density (lb/gal) 11.70		Funnel Viscosity (s/qt) 56		PV Calc (cP) 14.0		YP Calc (lb/100ft²) 8.000	
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
16,640.00	16,241.878	94.09	147.61	837.945	2.856	-761.144	350.588
16,673.00	16,239.358	94.67	146.67	870.571	3.340	-788.783	368.441
16,709.00	16,236.427	94.67	146.67	906.110	0.000	-818.762	388.156
Costs							
AFE Number DL10535		Daily Total (Cost) 80,573.01		Field Est To Date (Cost) 6,415,535.23		Total Field Estimate (Cost) 6,415,535.23	



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Report Number: 55
Report End Date: 2022-10-22
Days From Spud (days): 37.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Drill 6 3/4" Lateral F/ 16,806' T/18,740 1,934' @ 92 FPH	End Depth (ftKB) 18,740	Footage (ft) 1,934
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	08:30	2.50	DRILL	Drill 6.75 Lateral F/ 16,806' T/ 17,000' Rotate194' @ 77.6'/hr (2.5hrs) WOB: 28K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 4,200PSI Diff: 800 PSI O/B TQ: 6 k TQ: 11,00 K Downlink to 50 Right @ 16,815' Downlink Hold Inc/Azi @ 16,910'
08:30	09:00	0.50	RIGSRV	Lube TDS, Drawworks, and C/O Plug and Receptacle on Drawworks. SPR #2 Pump - 30/40/50 880/1,150/1,470
09:00	11:30	2.50	DRILL	Drill 6.75 Lateral F/ 17,000' T/ 17,286' Rotate286' @ 114.4'/hr (2.5hrs) WOB: 34K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 4,400PSI Diff: 1,000 - 1,200 PSI O/B TQ: 6 k TQ: 14,00 K
11:30	12:00	0.50	CIRC	Pick Up Slack Off @ 17,286' Avg S/O: 322K Avg P/U: 358K Rot Wt: 342K Min S/O: 318K Max P/U: 361K On Btm Tq: 14K Off Btm Tq: 5K
12:00	16:30	4.50	DRILL	Drill 6.75 Lateral F/ 17,286' T/ 17,757' Rotate471' @ 104.7'/hr (4.5hrs) WOB: 34K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 4,400PSI Diff: 1,000 - 1,200 PSI O/B TQ: 6 k TQ: 14,00 K
16:30	17:00	0.50	CIRC	Pick Up Slack Off @ 17,757' Avg S/O: 314K Avg P/U: 368K Rot Wt: 342K Min S/O: 308K Max P/U: 367K On Btm Tq: 15K Off Btm Tq: 5K



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17:00	22:00	5.00	DRILL	<p>Drill 6.75 Lateral F/ 17,757' T/18,228'</p> <p>Rotate 471' 94' /hr (5hrs)</p> <p>WOB: 34K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,400 PSI On/Btm SPP: 4,400PSI Diff: 1,000 - 1,200 PSI O/B TQ: 6 k TQ: 14,00 K</p> <p>Gas units running around 2500-3000 units Seeing small flare of 2-3'</p>
22:00	22:30	0.50	CIRC	<p>Pick Up Slack Off @ 18,228'</p> <p>Avg S/O: 310K Avg P/U: 377K Rot Wt: 337K Min S/O: 301K Max P/U: 381K On Btm Tq: 13-14K Off Btm Tq 9K</p>
22:30	01:00	2.50	DRILL	<p>Drill 6.75 Lateral F/ 18,228' T/18,423'</p> <p>Rotate 195' 78'/hr (2.5 hrs)</p> <p>WOB: 35K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 16,000 K</p>
01:00	01:30	0.50	RIGSRV	<p>Service Rig.</p> <p>SPR MP2 @18,423 MW 11.6 30Stks - 975 PSI 40Stks- 1230 PSI 50Stks- 1600 PSI</p>
01:30	05:00	3.50	DRILL	<p>Drill 6.75 Lateral F/ 18,228' T/18,703'</p> <p>Rotate 280' 80'/hr (3.5 hrs)</p> <p>WOB: 35K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 16,000 K</p>



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05:00	05:30	0.50	CIRC	Pick Up Slack Off @ 18,703' Avg S/O: 310K Avg P/U: 375K Rot Wt: 340K Min S/O: 308K Max P/U: 380K On Btm Tq: 13-16K Off Btm Tq 9K Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 24 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 120 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -108 Jnts 5"XT Dp on the ground - 131 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt			
05:30	06:00	0.50	DRILL	Drill 6.75 Lateral F/ 18,703' T/18,740' Rotate 37' 74'/hr (.5 hrs) WOB: 35K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 16,000 K Last Survey: SD: 18,672' INC: 89.73° AZM: 165.16° TVD: 16,197.10' A/B: 2.9' A L/R: 9.4' R			
BHA #12, Lateral							
Size (in) 6 3/4		Model U613	Make Ulterra	Serial Number 62081	Nozzles (1/32") 11/11/11/11/11/11		
Avg ROP (ft/hr) 90.7		Depth In (ftKB) 16,699.0	Depth Out (ftKB) 18,740.0	Depth Drilled (ft) 2,041.00	Drilling Time (hr) 22.50		
BHA #11, Curve							
Size (in) 6 3/4		Model U611S	Make Ulterra	Serial Number 63790	Nozzles (1/32") 12/12/12/12/12/12		
Avg ROP (ft/hr) 50.5		Depth In (ftKB) 15,866.0	Depth Out (ftKB) 16,699.0	Depth Drilled (ft) 833.00	Drilling Time (hr) 16.50		
Mud Checks							
Density (lb/gal) 11.70		Funnel Viscosity (s/qt) 52	PV Calc (cP) 17.0		YP Calc (lb/100ft²) 9.000		
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
18,577.00	16,196.949	89.96	164.84	2,765.090	0.649	-2,605.919	924.660
18,672.00	16,197.206	89.73	165.16	2,859.817	0.415	-2,697.681	949.247
18,708.00	16,197.376	89.73	165.16	2,895.705	0.000	-2,732.480	958.468
Costs							
AFE Number DL10535		Daily Total (Cost) 98,748.15	Field Est To Date (Cost) 6,514,283.38		Total Field Estimate (Cost) 6,514,283.38		



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Report Number: 56
Report End Date: 2022-10-23
Days From Spud (days): 38.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Drill 6 3/4" Lateral F/ 18,740' T/20,633' 1,893' @ 97' FPH	End Depth (ftKB) 20,633	Footage (ft) 1,893
Occasionally burning 2-3' flare 0 flow at connections 0 mud cut.		

Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	07:00	1.00	DRILL	Drill 6.75 Lateral F/ 18,740' T/18,849' Rotate 109' @ 109'/hr (1 hrs) WOB: 35K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 16,000 K
07:00	07:30	0.50	CIRC	Circulate with the #2 mud pump at a reduced rate due to liner gasket being washed while changing seat and valve in the #1 mud pump.
07:30	12:00	4.50	DRILL	Drill 6.75 Lateral F/ 18,849' T/19,188' Rotate 339' @ 75.3'/hr (4.5 hrs) WOB: 35K RPM: 90 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K
12:00	12:30	0.50	CIRC	Pick Up Slack Off @ 19,188' Avg S/O: 311K Avg P/U: 378K Rot Wt: 347K Min S/O: 309K Max P/U: 383K On Btm Tq: 16-17K Off Btm Tq 7K
12:30	15:30	3.00	DRILL	Drill 6.75 Lateral F/ 19,188' T/19,540' Rotate 352' @ 117.3'/hr (3 hrs) WOB: 35K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K
15:30	16:00	0.50	CIRC	Troubleshoot TOTCO lost Comms.
16:00	16:30	0.50	DRILL	Drill 6.75 Lateral F/ 19,540' T/19,573' Rotate 33' @ 66'/hr (0.5 hrs) WOB: 35K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K
16:30	17:00	0.50	RIGSRV	Lube TDS, Crown, and Drawworks.



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17:00	18:30	1.50	DRILL	Drill 6.75 Lateral F/ 19,573' T/19,762' Rotate 189' @ 126'/hr (1.5 hrs) WOB: 32K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 8 k TQ: 17,000 K
18:30	19:00	0.50	CIRC	Pick Up Slack Off @ 19,762' Avg S/O: 303K Avg P/U: 385K Rot Wt: 347K Min S/O: 304K Max P/U: 391K On Btm Tq: 16K Off Btm Tq 8K
19:00	00:30	5.50	DRILL	Drill 6.75 Lateral F/ 19,762' T/20,240' Rotate 478' @ 88'/hr (5.5 hrs) WOB: 32K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 8 k TQ: 17,000 K
00:30	01:00	0.50	CIRC	Pick Up Slack Off @ 20,240' Avg S/O: 301K Avg P/U: 398K Rot Wt: 347K Min S/O: 294K Max P/U: 407K On Btm Tq: 16K Off Btm Tq: 7K
01:00	03:00	2.00	DRILL	Drill 6.75 Lateral F/ 20,244' T/20,439' Rotate 195' @ 98'/hr (2 hrs) WOB: 35K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K
03:00	03:30	0.50	RIGSRV	Rig Service SPR @20,439 MW 11.5 MP#2 30-1165 PSI 40-1320 PSI 50-1710 PSI



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03:30	06:00	2.50	DRILL					Drill 6.75 Lateral F/ 20,439' T/20,633'							
								Rotate 194' @ 78'/hr (2.5hrs)							
								WOB: 35K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K							
								Last Survey: SD: 20,500' INC: 91.61° AZM: 163.92° TVD: 16,200.0' A/B: 0' A L/R: 15.9' R							
								Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 24 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 120 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt							
								Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt							
								Pipe count / Correct 5" XT50 5"XT Dp in the hole -165 Jnts 5"XT Dp on the ground - 74 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt							
BHA #12, Lateral															
Size (in) 6 3/4			Model U613		Make Ulterra		Serial Number 62081			Nozzles (1/32") 11/11/11/11/11/11					
Avg ROP (ft/hr) 93.7			Depth In (ftKB) 16,699.0		Depth Out (ftKB) 20,633.0		Depth Drilled (ft) 3,934.00			Drilling Time (hr) 42.00					
BHA #11, Curve															
Size (in) 6 3/4			Model U611S		Make Ulterra		Serial Number 63790			Nozzles (1/32") 12/12/12/12/12/12					
Avg ROP (ft/hr) 50.5			Depth In (ftKB) 15,866.0		Depth Out (ftKB) 16,699.0		Depth Drilled (ft) 833.00			Drilling Time (hr) 16.50					
Mud Checks															
Density (lb/gal) 11.60			Funnel Viscosity (s/qt) 53			PV Calc (cP) 17.0			YP Calc (lb/100ft²) 12.000						
Survey Data															
MD (ftKB)		TVD (ftKB)		Incl (°)		Azm (°)		VS (ft)		DLS (°/100ft)		NS (ft)		EW (ft)	
20,403.00		16,201.273		89.76		163.89		4,588.902		0.104		-4,360.793		1,428.819	
20,500.00		16,200.114		91.61		163.92		4,685.832		1.907		-4,453.980		1,455.707	
20,536.00		16,199.102		91.61		163.92		4,721.795		0.000		-4,488.558		1,465.675	
Costs															
AFE Number DL10535			Daily Total (Cost) 83,665.01			Field Est To Date (Cost) 6,653,448.39			Total Field Estimate (Cost) 6,653,448.39						



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Report Number: 57
Report End Date: 2022-10-24
Days From Spud (days): 39.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
Daily Operations							
Operations Summary Drill 6 3/4" Lateral F/20,633' T/21,868 1,235' @ 92 FPH/ SOH F/21,868 T/15,484 Holding 670 PSI TOH F/15,484 T/14,500 For possible wash in drill string or RSS tools.						End Depth (ftKB) 21,868	Footage (ft) 1,235
Time Log							
Start Time	End Time	Dur (hr)	Ops Code	Description			
06:00	07:30	1.50	DRILL	Drill 6 3/4" Lateral F/ 20,633' T/20,727' Rotate 94' @ 63'/hr (1.5 hrs) WOB: 35K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,700 PSI On/Btm SPP: 4,400-4,700PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 17,000 K			
07:30	08:00	0.50	CIRC	Pick Up Slack Off @ 20,727' Avg S/O: 294K Avg P/U: 397K Rot Wt: 350K Min S/O: 270K Max P/U: 401K On Btm Tq: 16K Off Btm Tq 8K			
08:00	13:00	5.00	DRILL	Drill 6 3/4" Lateral F/ 20,727' T/21,297' Rotate 570' @ 114'/hr (5 hrs) WOB: 38K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,800 PSI On/Btm SPP: 4,700-4,800PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 18-22 K			
13:00	13:30	0.50	RIGSRV	Lube TDS, C/O Flow Sensor on Drawworks Lubester. Pick Up Slack Off @ 21,297' Avg S/O: 285K Avg P/U: 404K Rot Wt: 346K Min S/O: 276K Max P/U: 408K On Btm Tq: 20K Off Btm Tq 8K			
13:30	18:00	4.50	DRILL	Drill 6 3/4" Lateral F/ 21,297' T/21,772' Rotate 475' @ 106'/hr (4.5 hrs) WOB: 38K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,800 PSI On/Btm SPP: 4,700-4,800PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 18-22 K			
18:00	18:30	0.50	CIRC	Pick Up Slack Off @ 21,772' Avg S/O: 285K Avg P/U: 404K Rot Wt: 346K Min S/O: 276K Max P/U: 408K On Btm Tq: 20K Off Btm Tq 8K			



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18:30	21:00	2.50	DRILL	<p>Drill 6 3/4" Lateral F/ 21,772' T/21,868'</p> <p>Rotate 96' @ 38'/hr (2.5 hrs)</p> <p>WOB: 38K RPM: 100 GPM: 260GPM Off/Btm SPP: 3,800 PSI On/Btm SPP: 4,700-4,800PSI Diff: 700 - 1,100 PSI O/B TQ: 9 k TQ: 18-22 K</p> <p>Last Survey: SD: 21,736' INC: 92.0° AZM: 163.94° TVD: 16,115.80' A/B: 2.9' A L/R: 5' R</p> <p>@21,795 Directional downlinked tool shortly gradual Loss in PSI,Diff PSI, TQ and ROP dropped drastically. @ 21,862 Diff PSI dropped to zero picked up and showed a loss of 400 PSI Off BTM PSI checked all surface equipment, Pressure started to come back to normal went back to bottom continued drilling ahead.</p>
21:00	22:00	1.00	CIRC	<p>@21,868' PSI Dropped again 400 PSI Picked up off BTM to discuss and trouble shoot issue pressure loss did not return. Compared both pumps, both pump Pressures matched. Isolated pumps and compared slow pump rates to previous and both pumps were 300-350 less PSI. Pumped down back side to check for communication with annular pressure and drill pipe PSI. No drill pipe pressure was seen. Decision was made to SOH with equiv drilling ECD (12.4/670 PSI)</p>
22:00	23:00	1.00	BOPO	<p>Shut in Check PSI - 0 PSI Line up MPD to hold PSI for SOH/ Rot head bowl seal leaking. Change out bad rot head bowl seal.</p>
23:00	05:00	6.00	TOOH	<p>SOH F/21868 T/ 15,484 Holding 670 PSI on backside. Hole taking proper calculated fill. Shut in Check PSI -0 PSI</p>
05:00	05:30	0.50	TOOH	<p>TOH F/15,484 T/14,500</p>
05:30	06:00	0.50	RIGSRV	<p>Rig Service</p> <p>SPR @20,439 MW 11.5 MP#2 30-1165 PSI 40-1320 PSI 50-1710 PSI</p> <p>Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 24 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 120 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt</p> <p>Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt</p> <p>Pipe count / Correct 5" XT50 5"XT Dp in the hole -0 Jnts 5"XT Dp on the ground - 76 Jnts 5"XT Dp in th derrick- 204 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt</p>
BHA #12, Lateral				
Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62081	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 93.1	Depth In (ftKB) 16,699.0	Depth Out (ftKB) 21,868.0	Depth Drilled (ft) 5,169.00	Drilling Time (hr) 55.50
BHA #11, Curve				
Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 63790	Nozzles (1/32") 12/12/12/12/12/12
Avg ROP (ft/hr) 50.5	Depth In (ftKB) 15,866.0	Depth Out (ftKB) 16,699.0	Depth Drilled (ft) 833.00	Drilling Time (hr) 16.50

For information concerning Production data or Production reporting, please contact: ProductionVolumes@clr.com.



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Mud Checks							
Density (lb/gal) 11.70	Funnel Viscosity (s/qt) 58		PV Calc (cP) 18.0		YP Calc (lbf/100ft²) 11.000		
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
21,641.00	16,119.276	92.06	163.91	5,823.102	0.530	-5,542.587	1,785.568
21,736.00	16,115.911	92.00	163.94	5,917.998	0.071	-5,633.815	1,811.857
21,772.00	16,114.655	92.00	163.94	5,953.959	0.000	-5,668.389	1,821.810
Costs							
AFE Number DL10535	Daily Total (Cost) 103,444.26		Field Est To Date (Cost) 6,756,892.65		Total Field Estimate (Cost) 6,756,892.65		



UTL 3748 37A 1H

Report Number: 58
Report End Date: 2022-10-25
Days From Spud (days): 40.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary TOH F/15,848 T/ BHA, L/D RSS BHA no washes seen. P/U New 6.75 RSS BHA/ TIH F/130 T/13,000	End Depth (ftKB) 21,868	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	06:30	0.50	TOOH	TOH (Wet) F/15,484 T/14,610' for pressure loss.
06:30	07:00	0.50	TOOH	Remove 5" Elevators, Install 4 1/2" Elevators, and change out TM100 Die blocks to 4.5 Drill pipe.
07:00	17:30	10.50	TOOH	TOH (Wet) F/14,610' T/122' (BHA) No washout was found in the 5" or 4 1/2" drill pipe. (Had reduced trip speeds due to high winds)
17:30	18:00	0.50	RIGSRV	Rig Service/ Ready floor to lay down BHA
18:00	19:30	1.50	PULDBHA	L/D Float Sub, Mud Motor (No Slack/ Did not drain motor since we had tools below that had not been inspected for wash), No wash was found when NMDC, Scout Torque Tool, Stabilizer, and RSS (visual inspection of all components looked good) were pulled from the hole, Break Bit (Bit Graded 8-2), L/D Directional Assy. from mousehole.
19:30	20:00	0.50	PULDBHA	Clean and organize floor after wet trip.
20:00	20:30	0.50	RIGSRV	Rig Serice/ Inpsect all dies and equip for trip in hole.
20:30	22:30	2.00	PULDBHA	P/U 6 3/4" Lateral Assy, Orbit RSS, Stab,UBHO, NMDC, Stabilizer, Filter Sub, Scout Stick Slip Torque Sub, M/U 6 3/4" Ulterra U613M, RIH, P/U 5" Dual Stab Superhawk 7:8, 7.0, 0.0 FBH., Surface Test @ 100 GPM (500 PSI) Good Test.
22:30	06:00	7.50	TIH	TIH F/130 T/ 13,000 P/U Typhoom Reamer @607' Monitoring returns in trip tank, filling pipe every 30 stands. Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 0 Jnts 5" Dp on the ground - 489 Jnts 5" Dp in th derrick- 144 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole 327 - Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 51 Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -0 Jnts 5"XT Dp on the ground - 76 Jnts 5"XT Dp in th derrick- 204 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 280 Jnts Total 5"XT HWDP - 0 Jnt

BHA #12, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62081	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 93.1	Depth In (ftKB) 16,699.0	Depth Out (ftKB) 21,868.0	Depth Drilled (ft) 5,169.00	Drilling Time (hr) 55.50

BHA #11, Curve

Size (in) 6 3/4	Model U611S	Make Ulterra	Serial Number 63790	Nozzles (1/32") 12/12/12/12/12/12
Avg ROP (ft/hr) 50.5	Depth In (ftKB) 15,866.0	Depth Out (ftKB) 16,699.0	Depth Drilled (ft) 833.00	Drilling Time (hr) 16.50

Mud Checks

Density (lb/gal) 11.70	Funnel Viscosity (s/qt) 64	PV Calc (cP) 16.0	YP Calc (lb/100ft²) 14.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
21,641.00	16,119.276	92.06	163.91	5,823.102	0.530	-5,542.587	1,785.568
21,736.00	16,115.911	92.00	163.94	5,917.998	0.071	-5,633.815	1,811.857
21,772.00	16,114.655	92.00	163.94	5,953.959	0.000	-5,668.389	1,821.810

Costs

AFE Number DL10535	Daily Total (Cost) 152,999.67	Field Est To Date (Cost) 6,912,592.32	Total Field Estimate (Cost) 6,912,592.32
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UTL 3748 37A 1H

Report Number: 59
Report End Date: 2022-10-26
Days From Spud (days): 41.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary	End Depth (ftKB) 22,764	Footage (ft) 896
TIH F/ 13,000' T/ 21,589', Wash F/21,589' T/ 21,868', Drill 6 3/4" Lateral F/21,868' T/22,764 896' @90 FPH		

Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	06:30	0.50	TIH	TIH F/ 13,000' T/14,621' w/ New 6 3/4" Lateral RSS Assy.
06:30	08:30	2.00	PULDDS	C/O Elevators to 5", P/U 24 Jts. of 5" XT50 to replace the 5" 4 1/2 IF Drill Pipe F/14,621' T/15,430', Pull Trip Nipple and Install Rotating Head.
08:30	15:30	7.00	TIH	TIH F/ 15,430' T/ 21,589' Filling Pipe Every 30 Stands (Hole Giving Proper Displacement).
15:30	16:30	1.00	WASH/REAM	Fill pipe and stage pumps up after breaking circulation to 250 GPM. Wash F/ 21,589' T/ 21,809', Relog Gamma @300'/hr F/21,809 T/21,819'(Lost 700 psi of pump pressure).
16:30	17:30	1.00	CIRC	Circulate @ 150 GPM and Go through #1 pump to find pressure loss (found rubber under a valve, changed out 2-valves, and had a discharge cap plug air locked in the module). Put #1 pump online and off bottom pressure was back to normal. Started going through #2 Pump after getting #1 pump online.
17:30	18:00	0.50	RIGSRV	Rig Service
18:00	19:00	1.00	DIR	Relog Gamma F/21,800 T/21,868 @150 FPH 250 GPM
19:00	23:00	4.00	DRILL	Drill 6.75 Lateral F/ 21,868 ' T/22,252' Rotate 384' @ 96'/hr (4 hrs) WOB: 32K RPM: 100 GPM: 270GPM Off/Btm SPP: 3,950 PSI On/Btm SPP: 4700-4,900PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 17,000 K
23:00	23:30	0.50	CIRC	Pick Up Slack Off @ 22,252' Avg S/O: 264K Avg P/U: 403K Rot Wt: 350K Min S/O: 260K Max P/U: 412K On Btm Tq: 20K Off Btm Tq 8K
23:30	05:30	6.00	DRILL	Drill 6.75 Lateral F/ 22,252 ' T/22,764' Rotate 512' @85'/hr (6 hrs) WOB: 32K RPM: 100 GPM: 270GPM Off/Btm SPP: 3,950 PSI On/Btm SPP: 4700-4,900PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 20,000 K Last Survey: SD: 22,689' INC: 94.33° AZM: 165.81° TVD: 16,.056' A/B: 2' A L/R: 14' R



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05:30	06:00	0.50	RIGSRV	Rig Service SPR @22,732 MW 11.6 MP#1 30-1100 PSI 40- 1330PSI 50- 1580PSI Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 0 Jnts 5" Dp on the ground - 510 Jnts 5" Dp in th derrick- 123 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -255 Jnts 5"XT Dp on the ground - 122 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 239 Jnts Total 5"XT HWDP - 0 Jnt				
BHA #13, Lateral								
Size (in) 6 3/4		Model U613		Make Ulterra		Serial Number 62209		Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 89.6		Depth In (ftKB) 21,868.0		Depth Out (ftKB) 22,764.0		Depth Drilled (ft) 896.00		Drilling Time (hr) 10.00
BHA #12, Lateral								
Size (in) 6 3/4		Model U613		Make Ulterra		Serial Number 62081		Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 93.1		Depth In (ftKB) 16,699.0		Depth Out (ftKB) 21,868.0		Depth Drilled (ft) 5,169.00		Drilling Time (hr) 55.50
Mud Checks								
Density (lb/gal) 11.70		Funnel Viscosity (s/qt) 70			PV Calc (cP) 19.0		YP Calc (lb/100ft²) 15.000	
Survey Data								
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)	
22,496.00	16,071.265	94.45	165.56	6,676.201	0.577	-6,362.618	2,022.079	
22,593.00	16,063.621	94.59	165.51	6,772.757	0.153	-6,456.251	2,046.233	
22,635.00	16,060.260	94.59	165.51	6,814.562	0.000	-6,496.784	2,056.708	
Costs								
AFE Number DL10535		Daily Total (Cost) 84,115.95			Field Est To Date (Cost) 6,996,708.27		Total Field Estimate (Cost) 6,996,708.27	



UTL 3748 37A 1H

Report Number: 60
Report End Date: 2022-10-27
Days From Spud (days): 42.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Drill 6 3/4" Lateral F/ 22,764' T/23,668' 904' @ 64.6'/Hr, Circ B/U, SOOH for P-Rate F/23,668' T/18,500'	End Depth (ftKB) 23,668	Footage (ft) 904
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	14:30	8.50	DRILL	Drill 6.75 Lateral F/ 22,764' T/23,500' Rotate 736' @ 86.5'/hr (8.5 hrs) WOB: 32K RPM: 100 GPM: 270GPM Off/Btm SPP: 3,950 PSI On/Btm SPP: 4700-4,900PSI Diff: 700 - 1,000 PSI O/B TQ: 11 k TQ: 12-24K
14:30	15:00	0.50	CIRC	Accumulative Pick Up and Slack Off Procedures. @ 22,828' @23,328' Avg S/O: 268K 263K Avg P/U 412K 415K Rot:342K 348K Min S/O: 250K 255K Max P/U 420K 423K
15:00	15:30	0.50	RIGSRV	Lube TDS, Block, and Drawworks SPR's #1 Mud Pump 30/40/50 950/1,300/1,740
15:30	21:00	5.50	DRILL	Drill 6.75 Lateral F/ 23,500' T/23,668' Rotate 168' @ 30.5'/hr (5.5 hrs) WOB: 32K RPM: 100 GPM: 270GPM Off/Btm SPP: 3,950 PSI On/Btm SPP: 4700-4,900PSI Diff: 700 - 1,000 PSI O/B TQ: 9 k TQ: 20,000 K Last Survey: SD: 23,555' INC: 98.05° AZM: 164.18° TVD: 15,937.91' Above 0.0 Right 7.1 Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 0 Jnts 5" Dp on the ground - 612 Jnts 5" Dp in th derrick- 21 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -285 Jnts 5"XT Dp on the ground - 92 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 377 Jnts Total 5"XT HWDP - 0 Jnt
21:00	23:30	2.50	CIRC	Downlink RSS to Neutral Circulate Bottoms Up to clean hole
23:30	00:00	0.50	CIRC	Flow Check - No Flow Shut in Check PSI - 0
00:00	01:00	1.00	REPS	Troubleshoot MPD not opening, functioned manually to get working
01:00	02:00	1.00	REPS	Change out rotating head, pull rotating head and replace bowl gasket
02:00	02:30	0.50	TOOH	SOOH for Penetration Rate F/23,668' T/22,725' Holding 670 Psi



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02:30	03:00	0.50	CIRC	Flow Check - No Flow Pump Slug			
03:00	06:00	3.00	TOOH	SOOH for Penetration Rate F/22,725' T/18,500' Holding 670 psi on MPD Hole taking proper fill			
BHA #13, Lateral							
Size (in) 6 3/4		Model U613		Make Ulterra		Serial Number 62209	
Nozzles (1/32") 11/11/11/11/11/11		Avg ROP (ft/hr) 75.0		Depth In (ftKB) 21,868.0		Depth Out (ftKB) 23,668.0	
Depth Drilled (ft) 1,800.00		Drilling Time (hr) 24.00					
BHA #12, Lateral							
Size (in) 6 3/4		Model U613		Make Ulterra		Serial Number 62081	
Nozzles (1/32") 11/11/11/11/11/11		Avg ROP (ft/hr) 93.1		Depth In (ftKB) 16,699.0		Depth Out (ftKB) 21,868.0	
Depth Drilled (ft) 5,169.00		Drilling Time (hr) 55.50					
Mud Checks							
Density (lb/gal) 11.70			Funnel Viscosity (s/qt) 58		PV Calc (cP) 20.0		YP Calc (lbf/100ft²) 14.000
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
23,458.00	15,952.066	98.60	162.96	7,630.002	0.046	-7,278.248	2,289.987
23,555.00	15,938.021	98.05	164.18	7,725.962	1.368	-7,370.305	2,317.132
23,597.00	15,932.140	98.05	164.18	7,767.531	0.000	-7,410.316	2,328.469
Costs							
AFE Number DL10535			Daily Total (Cost) 108,368.16		Field Est To Date (Cost) 7,551,124.66		Total Field Estimate (Cost) 7,551,124.66



UTL 3748 37A 1H

Report Number: 61
Report End Date: 2022-10-28
Days From Spud (days): 43.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary TOH F/ 18,500' T/ 123', C/O Bit & MWD, TIH T/15,570', Cut & Slip Drill Line, TIH T/16,400'	End Depth (ftKB) 23,668	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	08:00	2.00	TOOH	SOOH for Penetration Rate F/18,500' T/15,625' Holding 670 psi on MPD (12.4 ECD) Hole taking proper fill
08:00	08:30	0.50	CIRC	Bleed PSI from MPD, Flow Check - No Flow Pump Slug
08:30	16:30	8.00	TOOH	TOOH for Penetration Rate F/15,625' T/BHA
16:30	17:00	0.50	RIGSRV	Rig Service
17:00	18:30	1.50	PULDBHA	Break and L/D Motor, Pull MWD, Break Bit, M/U Halliburton GT64D Bit, P/U Same 5" Motor, Install MWD, Test MWD - Test Good Bit Grade - 8-3-CR-N-X-1-BT-PR
18:30	19:00	0.50	TIH	R/D Fill hose, Clean OBM From rig floor, C/O St-80 Dies
19:00	03:30	8.50	TIH	TIH F/130 T/15,570' P/U Typhoom Reamer @607' Monitoring returns in trip tank, filling pipe every 30 stands.
03:30	05:00	1.50	CUTDL	Cut & Slip Drill Line
05:00	05:30	0.50	RIGSRV	Rig Service, Top Drive & Drawworks
05:30	06:00	0.50	TIH	TIH F/15,570' T/16,400' Monitoring returns in trip tank, filling pipe every 30 stands.

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00

BHA #12, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62081	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 93.1	Depth In (ftKB) 16,699.0	Depth Out (ftKB) 21,868.0	Depth Drilled (ft) 5,169.00	Drilling Time (hr) 55.50

Mud Checks

Density (lb/gal) 11.85	Funnel Viscosity (s/qt) 67	PV Calc (cP) 20.0	YP Calc (lbf/100ft²) 16.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
23,458.00	15,952.066	98.60	162.96	7,630.002	0.046	-7,278.248	2,289.987
23,555.00	15,938.021	98.05	164.18	7,725.962	1.368	-7,370.305	2,317.132
23,597.00	15,932.140	98.05	164.18	7,767.531	0.000	-7,410.316	2,328.469

Costs

AFE Number DL10535	Daily Total (Cost) 138,702.31	Field Est To Date (Cost) 7,689,826.97	Total Field Estimate (Cost) 7,689,826.97
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UTL 3748 37A 1H

Report Number: 63
Report End Date: 2022-10-30
Days From Spud (days): 45.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Drill 6 3/4" Lateral F/24,976' T/26,105' 1,129' @ 77.9/FPH, Circulate Cleanup Cycle 3 B/U	End Depth (ftKB) 26,105	Footage (ft) 1,129
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	17:00	11.00	DRILL	Drill 6.75 Lateral F/ 24,976' T/25,813' Rotate 837' @ 76'/hr (11 hrs) WOB: 30-36K RPM: 100 GPM: 270GPM Off/Btm SPP: 4,000 PSI On/Btm SPP: 4,900-5,200 PSI Diff: 900 - 1,200 PSI O/B TQ: 10 k TQ: 20-24 K
17:00	17:30	0.50	RIGSRV	Lube TDS, Block, and Drawworks.
17:30	18:00	0.50	SAFE	Safety Stand Down w/ Rig Crew, Buckeye Mud Engineer, and CLR Rep - Spill Prevention Discussed checking valve alignment, tracing out lines, two people on all transfer one on each end, ensuring lines are secure, and using containment mats when disconnecting lines or hoses that contain fluid. ****BOP Drill 65 seconds****
18:00	21:30	3.50	DRILL	Drill 6.75 Lateral F/ 25,813' T/26,105' Rotate 292' @ 83.4'/hr (3.5 hr) WOB: 30-36K RPM: 100 GPM: 270GPM Off/Btm SPP: 4,000 PSI On/Btm SPP: 4,900-5,200 PSI Diff: 900 - 1,200 PSI O/B TQ: 10 k TQ: 20-24 K Last Survey: SD: 26,063' INC: 98.43° AZM: 162.43° TVD: 15,650.25' Below: -5.0 Right 7.7 Pipe count / Correct 5" NC50/4.5IF 5" Dp in the hole - 0 Jnts 5" Dp on the ground - 633 Jnts 5" Dp in th derrick- 0 Jnts 5" HWDP in the hole - 0 Jnts 5" HWDP on the ground - 33 Jnts Total 5" DP - 633 Jnts Total 5" HWDP - 33 Jnt Pipe count / Correct 4.5" Delta 425 4.5" Dp in the hole - 378 Jnts 4.5" Dp on the ground -287 Jnts 4.5" Dp in th derrick- 0Jnts 4.5" HWDP in the hole - 81 Jnts 4.5" HWDP in the derrick-0 Jnts 4.5" HWDP on the ground - 0 Jnts Total 4.5" DP - 665 Jnts Total 4.5" HWDP - 81 Jnt Pipe count / Correct 5" XT50 5"XT Dp in the hole -361 Jnts 5"XT Dp on the ground - 16 Jnts 5"XT Dp in th derrick- 0 Jnts 5"XT HWDP in the hole - 0 Jnts 5"XT HWDP on the ground - 0 Jnts Total 5" XT DP - 377 Jnts Total 5"XT HWDP - 0 Jnt
21:30	22:00	0.50	CIRC	Downlink RSS to Neutral, Pump up final survey
22:00	05:00	7.00	CIRC	Circulate cleanup cycle 3 Bottoms up 38,175 stks, rack 1 stand back after each bottoms up
05:00	05:30	0.50	RIGSRV	Rig Service Top Drive & Drawworks
05:30	06:00	0.50	REPS	Change out Rotating Head

BHA #14, Lateral

Size (in) 6 3/4	Model GT64	Make Security	Serial Number 135579968	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 85.5	Depth In (ftKB) 23,668.0	Depth Out (ftKB) 26,105.0	Depth Drilled (ft) 2,437.00	Drilling Time (hr) 28.50

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
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For information concerning Production data or Production reporting, please contact: ProductionVolumes@clr.com.



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Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00			
Mud Checks							
Density (lb/gal) 11.75	Funnel Viscosity (s/qt) 60	PV Calc (cP) 20.0	YP Calc (lb/100ft²) 14.000				
Survey Data							
MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
26,055.00	15,651.540	98.57	162.68	10,208.093	0.821	-9,753.381	3,012.763
26,063.00	15,650.357	98.43	162.43	10,216.005	3.552	-9,760.929	3,015.135
26,105.00	15,644.200	98.43	162.43	10,257.551	0.000	-9,800.537	3,027.676
Costs							
AFE Number DL10535	Daily Total (Cost) 116,093.45	Field Est To Date (Cost) 7,894,045.92	Total Field Estimate (Cost) 7,894,045.92				



UTL 3748 37A 1H

Report Number: 64
Report End Date: 2022-10-31
Days From Spud (days): 46.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary SOOH F/26,105' T/14,622', L/D 4 1/2" Drill Pipe F/14,622' T/1,000'	End Depth (ftKB) 26,105	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	06:30	0.50	TOOH	Flow Check, Obtain Shut PSI (0 PSI), Line up on MPD.
06:30	12:30	6.00	TOOH	SOOH F/26,105' T/19,325' to run 5 1/2" Production Casing (Holding 615 PSI 12.4 PPG ECD) Force Filling Annulus w/ Calculated Fill.
12:30	13:00	0.50	TOOH	C/O Leaking Rotating Head Bowl Gasket.
13:00	16:00	3.00	TOOH	SOOH F/19,325' T/14,622' to run 5 1/2" Production Casing (Holding 615 PSI 12.4 PPG ECD) Force Filling Annulus w/ Calculated Fill.
16:00	16:30	0.50	TOOH	Bleed pressure off of annulus, Open well to flow line, and flow check.
16:30	17:30	1.00	REPR	Grabber Box on Top Drive Leaking Oil, Change Out Grabber Box.
17:30	18:30	1.00	CIRC	Pump Slug, Pull Rotating head, Change out Elevators and slips to 4 1/2" Install trip nipple
18:30	23:30	5.00	PULDDS	L/D 4 1/2" Drill Pipe F/14,622' T/9,000' Hole taking proper fill
23:30	00:00	0.50	RIGSRV	Rig Service - Hyd Catwalk
00:00	06:00	6.00	PULDDS	L/D 4 1/2" Drill Pipe F/9,000' T/1,000' Hole taking proper fill

BHA #14, Lateral

Size (in) 6 3/4	Model GT64	Make Security	Serial Number 135579968	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 85.5	Depth In (ftKB) 23,668.0	Depth Out (ftKB) 26,105.0	Depth Drilled (ft) 2,437.00	Drilling Time (hr) 28.50

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00

Mud Checks

Density (lb/gal) 11.75	Funnel Viscosity (s/qt) 63	PV Calc (cP) 20.0	YP Calc (lb/100ft²) 15.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
26,055.00	15,651.540	98.57	162.68	10,208.093	0.821	-9,753.381	3,012.763
26,063.00	15,650.357	98.43	162.43	10,216.005	3.552	-9,760.929	3,015.135
26,105.00	15,644.200	98.43	162.43	10,257.551	0.000	-9,800.537	3,027.676

Costs

AFE Number DL10535	Daily Total (Cost) 84,074.65	Field Est To Date (Cost) 7,978,120.57	Total Field Estimate (Cost) 7,978,120.57
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UTL 3748 37A 1H

Report Number: 65
Report End Date: 2022-11-01
Days From Spud (days): 47.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary L/D Drill 4 1/2" Drill Pipe F/1,000' T/ 129', L/D Directional BHA, Rig Up Casing Crew, Run 5 1/2" Production Casing F/ 89' T/16,730'	End Depth (ftKB) 26,105	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	07:00	1.00	PULDDS	L/D 4 1/2" Drill Pipe F/1,000' T/129' to run 5 1/2" Production Casing.
07:00	08:30	1.50	PULDBHA	L/D Directional Assy. as follows: L/D Mud Motor (1/4" Slack), Break Bit 6 3/4" Halliburton GT64DMHE, SN#13557968, Bit Graded 1-1), Pull MWD, L/D NMDC, RSS, and send all 4 1/2" handling tools off rig floor.
08:30	09:00	0.50	TOOH	Pull Wear Bushing.
09:00	09:30	0.50	SAFE	Stage Casing Tools and Hold Safety Meeting w/ Rig Crew, Franks Casing Crew, Tenaris Thread Rep., and CLR Rep.
09:30	11:00	1.50	RURDCSG	Make Up CRT, Rig Up Casing Crew, Rig Up Torque Turn, and Dump Test Equipment.
11:00	13:30	2.50	CASE	Run 5 1/2", 23#, P-110, Wedge 625 F/ Surface T/ 1,404' (Tested float shoe after running 2 joints) Changed Elevators do to riser plate not striking nubbing correctly picked up back up elevators ond the riser plate was bent.
13:30	15:30	2.00	CASE	Wait on Elevators and Riser Plates to be delivered to location, Changed out riser plate and riser plate struck nubbing correctly engaging slips in elevators.
15:30	06:00	14.50	CASE	Run 5 1/2", 23#, P-110, Wedge 625 F/1,404' T/10,395' P/U Wedge 625 / TXP Crossover, P/U ALS, Run 5 1/2", 23#, P-110, TXP F/10,397' T/16,730' Hole giving proper displacement

BHA #14, Lateral

Size (in) 6 3/4	Model GT64	Make Security	Serial Number 135579968	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 85.5	Depth In (ftKB) 23,668.0	Depth Out (ftKB) 26,105.0	Depth Drilled (ft) 2,437.00	Drilling Time (hr) 28.50

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00

Mud Checks

Density (lb/gal) 11.75	Funnel Viscosity (s/qt) 63	PV Calc (cP) 20.0	YP Calc (lb/100ft²) 15.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
26,055.00	15,651.540	98.57	162.68	10,208.093	0.821	-9,753.381	3,012.763
26,063.00	15,650.357	98.43	162.43	10,216.005	3.552	-9,760.929	3,015.135
26,105.00	15,644.200	98.43	162.43	10,257.551	0.000	-9,800.537	3,027.676

Costs

AFE Number DL10535	Daily Total (Cost) 74,389.78	Field Est To Date (Cost) 8,052,510.35	Total Field Estimate (Cost) 8,052,510.35
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UTL 3748 37A 1H

Report Number: 66
Report End Date: 2022-11-02
Days From Spud (days): 48.0

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Run 5 1/2" Production Casing F/16,730' T/26,092' Ruptue ALS & Burp, Circ 1 1/2 Csg Cap, R/U & Cement 5.5 Production Csg,	End Depth (ftKB) 26,105	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	17:30	11.50	CASE	Run 5 1/2" Production Casing F/ 16,730' T/26,092', Picked up landing joint and landed in well head with 248K. Verified by Cactus rep. (Filling on the Fly and Topping off every 30 Joints) @19,440' returns fell off running @ 100'/min, slowed to 80'/min and displacement was still short, Slowed to 70'/min and displacement was back to calculated. Recieved Surge Chart and Followed Lowering Speed Chart while running in the hole: 70'/min to 21,700' 60'/min to 22,500' 50'/min to 23,500' 40'/min to 24,600' 30'/min to TD. Shoe- 26,092'. Airlock 15,694'. Marker JT- 15,674'.
17:30	18:00	0.50	RIGSRV	Service Rig.
18:00	18:30	0.50	RURDCSG	Rig down casing crew and torque turn.
18:30	19:00	0.50	CIRC	Engage CRT and burst airlock with 2,250 psi. Bleed air through 2". Fill pipe with 220 bbl of OBM. Continue bleeding air from string.
19:00	19:30	0.50	CIRC	Circulate 1 1/2 times casing capacity with 6 bpm, 1,500 psi. Note: CRT beging to leak.
19:30	20:30	1.00	RURDCSG	Rig down crt and rig up cement head and circulating iron.
20:30	23:00	2.50	CIRC	Continue to circulate 1 1/2 times casing capacity with 6 bpm, 1500 psi. Offline: Held PJSM with cement crew, Unit crew & Citadel employee
23:00	23:30	0.50	RURDCMT	Swap iron. Pressure test lines to 8,000 psi. Drop wiper plug
23:30	04:30	5.00	CMTPT	Mix & Pump production cement job as follows: Drop bottom plug. Pump 50 bbls Tuned Prime spacer @ 12.0 ppg. Followed by 535 bbls of 12.5 ppg (1810 sx, 1.66 yield, mix h20 8.57 gal/sk). Followed by 218 bbls of 13.2 ppg tail cement. (840 sx, 1.46 yield, mix h20 7.36 gal/sk). Drop top plug & displace w/ 20 bbls of gel water, 531 bbls fresh water. Bump plug @ 04:08 hrs w/4,300 psi, finlal lift @ 4 bpm. Increase pressure to 5,700 psi. Rupture wet shoe sub. Pump 5 bbls fw. Bled back 6.5 bbls floats held. 50 bbls spacer returned to surface. 5 bbls cement to surface
04:30	05:30	1.00	RURDCMT	Rig down cement equipment. Flush lines
05:30	06:00	0.50	RIGSRV	Service Rig

BHA #14, Lateral

Size (in) 6 3/4	Model GT64	Make Security	Serial Number 135579968	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 85.5	Depth In (ftKB) 23,668.0	Depth Out (ftKB) 26,105.0	Depth Drilled (ft) 2,437.00	Drilling Time (hr) 28.50

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00

Mud Checks

Density (lb/gal) 11.75	Funnel Viscosity (s/qt) 63	PV Calc (cP) 20.0	YP Calc (lb/100ft²) 15.000
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Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
26,055.00	15,651.540	98.57	162.68	10,208.093	0.821	-9,753.381	3,012.763
26,063.00	15,650.357	98.43	162.43	10,216.005	3.552	-9,760.929	3,015.135
26,105.00	15,644.200	98.43	162.43	10,257.551	0.000	-9,800.537	3,027.676

Costs

AFE Number DL10535	Daily Total (Cost) 182,000.05	Field Est To Date (Cost) 8,241,132.40	Total Field Estimate (Cost) 8,241,132.40
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UTL 3748 37A 1H

Report Number: 67
Report End Date: 2022-11-02
Days From Spud (days): 48.3

Section 36	Township	Range	County WINKLER	State TEXAS	API # 42495347610000	Ground Elevation (ft) 2734	KB-Grd (ft) 21.50
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Daily Operations

Operations Summary Install packoff and test. Wait on correct BPV. Nipple down, Install TA Cap. Release rig to UTL 3748 37B 2H	End Depth (ftKB) 26,105	Footage (ft) 0
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Time Log

Start Time	End Time	Dur (hr)	Ops Code	Description
06:00	08:00	2.00	WHDOPS	Remove landing joint. Change out bells and elevators, pick up wash down tool and wash over well head. Install packoff & test seals to 10,000 psi (good test) pull test to 40k. Attempt to set BPV. Cactus sent the incorrect BPV for the packoff.
08:00	10:00	2.00	WHDOPS	Wait on BPV to arrive on location. Offline: Synergy pit cleaners on location cleaning mud tanks. Nipple down rotate head clamp and install BOP hoist on Stack assembly.
10:00	10:30	0.50	WHDOPS	Set BPV.
10:30	11:30	1.00	NUNDBOP	Nipple down BOP assembly. Hoist BOP.
11:30	12:00	0.50	WHDOPS	Set T/A cap. Release rig to Release rig to UTL 3748 37B 2H.

BHA #14, Lateral

Size (in) 6 3/4	Model GT64	Make Security	Serial Number 135579968	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 85.5	Depth In (ftKB) 23,668.0	Depth Out (ftKB) 26,105.0	Depth Drilled (ft) 2,437.00	Drilling Time (hr) 28.50

BHA #13, Lateral

Size (in) 6 3/4	Model U613	Make Ulterra	Serial Number 62209	Nozzles (1/32") 11/11/11/11/11/11
Avg ROP (ft/hr) 75.0	Depth In (ftKB) 21,868.0	Depth Out (ftKB) 23,668.0	Depth Drilled (ft) 1,800.00	Drilling Time (hr) 24.00

Mud Checks

Survey Data

MD (ftKB)	TVD (ftKB)	Incl (°)	Azm (°)	VS (ft)	DLS (°/100ft)	NS (ft)	EW (ft)
26,055.00	15,651.540	98.57	162.68	10,208.093	0.821	-9,753.381	3,012.763
26,063.00	15,650.357	98.43	162.43	10,216.005	3.552	-9,760.929	3,015.135
26,105.00	15,644.200	98.43	162.43	10,257.551	0.000	-9,800.537	3,027.676

Costs

AFE Number DL10535	Daily Total (Cost) 1,275,581.77	Field Est To Date (Cost) 9,534,911.92	Total Field Estimate (Cost) 9,534,911.92
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