



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

SURF, SURF1, CSG, NONE; 5/29/2022 05:30

Wellbore: OH

Rpt #: 1 Date: 5/29/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL		Planned Days (days) 25.50		Daily Cost (Cost) \$59,830	Cum To Date (Cost) \$59,830	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 1.73	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase		Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)	Cost Variance (Cost)
MOB		0.06		\$4,090		\$4,090		\$50,000	\$45,910
SURF		0.83		\$55,740		\$55,740		\$323,000	\$267,260
INTR		0.00		\$0		\$0		\$1,380,000	\$1,380,000
PROD		0.00		\$0		\$0		\$1,649,000	\$1,649,000
Daily Operations									
Report Start Date 5/28/2022 08:30			Drilled Last 24 Hours (ft) 1,105.00			End Depth (ftKB) 1,215.0			
Operations at Report Time RIGGING UP CSG CREW					24 Hour Forecast RUN 13 3/8 CSG, CIRC 1.5 CSG CAP, CEMENT, N/U BOP'S, TEST BOP, TIH, DRILL OUT.				
24 Hour Summary SKID RIG OVER WELL CENTER, P/U BHA, SPUD IN @ 10:30 HRS. DRILL TO 1,215'. CIRC B/U 3.5 HRS NPT DUE TO TDS HYDRALICS. POOH, LAY OUT BHA # 1 MAKE UP BHA # 2. RIGGING UP CSG CREW.									
Last Casing String CONDUCTOR, 110.0ftKB					Next Casing OD (in) 13.375		Next Casing Set Depth (ftKB) 1,200		
Mud Check: 5/28/2022 18:00 @ 222.0 ftKB Source:ACTIVE									
Depth (ftKB) 222.0			Density (lb/gal) 8.50			Funnel Viscosity (s/qt) 28			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
08:30	10:00	1.50	MOB	110.0	110.0	PREP TO SKID RIG F/ 333 H, WALK & CENTER UP OVER HOLE, RIG UP MISC. ELECTRICAL, WATER & MUD LINES. TEST MUD LINES TO 2500 PSI, SET & R/U CELLAR PUMPS,			
10:00	10:30	0.50	BHA	110.0	110.0	HPJSM W/ RIG CREW, DEVON DD & SCINTIFIC ON P/U SURFACE BHA 1-17.5" ULTERRA PDC BIT. CF716. SN-49876 1- 9 5/8" NOV MOTOR. 1.83° FBH 7/8 4.0 .14 RPG W/ 17" NBS 1- 17" IBS SDI STAB 1-8" NMDC 1-8" HOS 1-8" NMDC 1-8" FILTER SUB 1-8" COUGAR SHOCK SUB 1-XO 6 5/8 REG x NC56 6-JOINTS OF 8" DRILL COLLARS 1-X-O NC56 IF x 4 .5 IF" REG			
10:30	13:00	2.50	DRLG	110.0	222.0	SPUD WELL @ 10:30 HRS @ 110' DRILL 17.5" SURFACE HOLE F/ 110' T/ 222' AS PER SPUD PROCEDURE. 20-30K WOB, UP TO 750 GPM, 40 RPM W/ 10-12 FT/LBS TORQUE. MUS WT. 8.4 IN / OUT 28 VIS PUMP HI-VIS SWEEP EVERY 400'.			
13:00	13:30	0.50	RIGSVC	222.0	222.0	SERVICE RIG			
13:30	16:00	2.50	RIGRPR	222.0	222.0	TROUBLE SHOOT HYDRAULICS PRESSURE, C/O CARTRIDGE VALVES, CHARGE NITROGEN PRECHARGE.			TRIG
16:00	00:00	8.00	DRLG	222.0	1,215.0	DRILL 17.5" SURFACE HOLE F/ 222' T/ 1215' AS PER SPUD PROCEDURE. 20-60K WOB, UP TO 755-900 GPM, 40-60 RPM W/ 10-40 FT/LBS 1200-15KTORQUE. MUD WT. 8.9 IN / OUT 28 VIS PUMP HI-VIS SWEEP EVERY 400'.			
00:00	01:00	1.00	CIRC	1,215.0	1,215.0	NOTE: CONTINUE TO HAVE ISSUES W/ POLARIS PUMPS PERFORM CLEAN UP CYCLE AS FOLLOWS: PUMP 3 x 20 BBL 50-60 VIS SWEEPS W/ FIRST ONE GOING THROUGH BIT @ TD, & SECOND ONE PUMPED 20 MIN BEHIND & 3RD & FINAL SWEEP PUMPED 15 BEHIND SECOND SWEEP. RECIPRICATED PIPE @ 60 RPM UP & DOWN W/ GPM 900, SPP 2,150, OB TRQ 4K SWEEP #1: 20% INCREASE IN COURSE CUTTINGS W/ SPP TO 2,150 & TRQ TO 4K SWEEP #2: 10% INCREASE IN FINE CUTTINGS W/ SPP TO 2,150 & TRQ TO 2K SWEEP #3: 0% INCREASE IN FINE CUTTINGS W/ NO CHANGE IN PARAMETERS WASHOUT CALCULATED AT 8% (45 BBLs)			
01:00	02:00	1.00	RIGRPR	1,215.0	1,215.0	HP ELECTRICIAN TROUBLE SHOOTING HYDRAULIC ISSUES ON TDS. NOT FUNCTION PROPERLY			TRIG
02:00	03:00	1.00	TRIP	1,215.0	125.0	TOOH F/ 1,200' T/ 124' NO EXCESSIVE DRAG ENCOUNTERED, HOLE TOOK PROPER FILL. PUMP FRESH WATER THROUGH MWD.			
03:00	05:30	2.50	BHA	125.0	0.0	RACK BACK DIRECTIONAL BHA IN DERRICK, DRAIN MUD MOTOR AND BREAK OFF BIT, MOTOR DRAINED GOOD, NO EXCESSIVE SLACK IN MUD MOTOTR, BIT GRADED 1-1- NO EXCESSIVE WEAR NOTED. STABILIZER ABOVE MUD MOTOR WAS BALDED UP WITH RED BED. STABILIZER ON MOTOR AND BIT WAS ALSO BALDED UP WITH RED BED. MAKE UP BHA # 2 LEAVE READY FOR NEXT SECTION.			
05:30	06:00	0.50	CSG	0.0	0.0	PRE JOB SAFETY MEETING WITH 4 STAR CASING AND RIG CREW, RIG UP CASING EQUIPMENT.			



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Job Model: 10000L-3BS MOND

Partner Report

SURF, SURF1, CSG, NONE; 5/29/2022 05:30

Wellbore: OH

Rpt #: 1 Date: 5/29/2022 06:00

BIT # 1 , BHA # 1 , SURF VERTICAL										
Bit Size (in) 17 1/2	Make ULTERRA	Model CF716	Depth In (ftKB) 110.0	Depth Out (ftKB) 1,215.0						
Survey Data										
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)		
1,152.00	1.71	96.30	1,151.88	1.86	1.27	-2.52	0.16	-0.16		



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR1, DRLG, TANGENT; 5/30/2022 04:00

Wellbore: OH

Rpt #: 2 Date: 5/30/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$231,378	Cum To Date (Cost) \$291,208	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 7.8
DFS (days) 3.38					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$34,250	\$38,340	\$50,000	\$11,660
SURF	1.75	\$189,730	\$245,470	\$323,000	\$77,530
INTR	0.08	\$7,398	\$7,398	\$1,380,000	\$1,372,602
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations		
Report Start Date 5/29/2022 06:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 1,215.0

Operations at Report Time PREP TO TEST CSG	24 Hour Forecast TEST CSG TO 1500 PSI 30 MIN, DRILL OUT SHOE TRACK, DRILLING INTERMEDIATE TO PLAN TD 5094 +/-
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24 Hour Summary
 RUNNING 13 3/8 CSG LAND ON MANDRAL, CIRC B/U , CEMENT 17.5 HOLE, N/U BOP TEST SAME, CHANGE OUT ORBIT VALVE DUE TO NOT HOLDING PRESSURE, INSTALL WEAR BUSHING, LATCH BHA OUT OF DERRICK, CHANGE OUT MWD, TIH TO 1,149'

Last Casing String SURFACE 1, 1,194.8ftKB	Next Casing OD (in) 10.750	Next Casing Set Depth (ftKB) 5,094
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Mud Check: 5/29/2022 18:00 @ 1,215.0 ftKB Source:ACTIVE

Depth (ftKB) 1,215.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 28
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Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	08:30	2.50	CSG	0.0	1,195.0	PICK UP AND MAKE 13 3/8" SHOE TRACK, FLOW TEST SAME, PICK UP AND TIH IN WITH SURFACE CASING T/ SETTING DEPTH OF 1,195' NO EXCESSIVE DRAG ENCOUNTERED, PICK UP HANGER AND LANDING JOINT, LAND OUT CASING IN TOP OF CONDUCTOR WITH CACTUS REP.	
08:30	09:00	0.50	CSG	1,195.0	1,195.0	RIG DOWN CSG TOOLS, P/U CEMENT HEAD IRON, PREP TO CIRC B/U.	
09:00	10:00	1.00	CIRC	1,195.0	1,195.0	CIRCULATE 1 1/2 TIMES CASING CAPACITY WITH RIG PUMPS @ 6 BPM W/ 200 PSI, FULL RETURNS, HOLD PRE JOB SAFETY WITH HALLIBURTON CEMENTERS AND RIG CREW.	
10:00	12:00	2.00	CMPRI	1,195.0	1,195.0	SWAP LINES TO HALLIBURTON, TEST LINES TO 3,000 PSI. PUMP 30 BBL SPACER, MIX AND PUMP LEAD 271 BBLS (635 SKS) 12.0 PPG, TAIL 44 BBLS (185 SKS) 14.8 PPG, DROP PLUG, DISPLACE WITH 178 BBLS OF 10.0 PPG BRINE AT 6 BPM, SLOW DOWN LAST 20 BBLS TO 4 BPM, 330 PSI PRIOR TO BUMP BUMP WITH 1080 PSI. CHECK FLOATS- HELD, BLED BACK 1 BBL. 30 BBLS SPACER AND 190 BBLS CEMENT BACK TO SURFACE.	
12:00	14:00	2.00	CMPRI	0.0	0.0	RIG DOWN CEMENT HEAD & IRON, LAY OUT LANDING JOINT, RIG DOWN CELLAR PUMPS.	
14:00	18:00	4.00	WLHEAD	0.0	0.0	INSTALL WELL HEAD AND TEST TO 5000 PSI FOR 15 MIN. GOOD TEST.INSTALL AND MAKE UP QDC ADAPTER AND DRILLING SPOOL. N/U BOPS INSTALL FLOW LINE, TURN BUCKLES, FILL UP LINES, CHOKE RIG DOWN CSG BALES, CLEAN RIG FLOOR.	
18:00	22:00	4.00	BOPTST	0.0	0.0	PERFORM BOP TEST AS FOLLOWS: ALL TEST 5 MIN LOW & HIGH @ 250 & 5,000 PSI UNLESS OTHERWISE NOTED TEST CHOKE MANIFOLD IN SIDE, OUT SIDE, MIDDLE, SUPER & MANUAL INSTALL TEST PLUG W/ TEST SUB & TEST LOWER & UPPER PIPE RAMS, ANNUALR TO 3,500 HIGH, INSIDE, OUT SIDE KILL VALVES, MANUAL & HCR VALVES, CHECK VALE, KILL LINE MUD LINES TO PUMP, 4" STAND PIPE VALVE, MANUAL I-BOP, TIW & DART VALVE.DRILL CHOKE & ORBIT VALVE TO 1,500 HIGH, PERFORM DRAW DOWN TEST ON KOOMEY NOTE: ORBIT VALVE WOULD NOT HOLD PRESSURE, ATTEMP TO FLUSH OUT WORK IT OPEN & CLOSE,	
22:00	04:00	6.00	BOPN	0.0	0.0	CHANGE OUT PRUIT ORBIT VALVE, DUE TO NOT ABLE TO HOLD PRESSURE. RE TEST ROTATING HEAD ORBIT VALVE, 1500 PSI 5 MIN LOW 5 MIN HIGH. REMOVE TEST PLUG, LAY OUT JOINT W. BUSHING PULLER. RIG DOWN TESTERS SET IN WEAR BUSHING W/ CACTUS WELL HEAD TECH.	



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DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR1, DRLG, TANGENT; 5/30/2022 04:00

Wellbore: OH

Rpt #: 2 Date: 5/30/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
04:00	05:00	1.00	BHA	0.0	125.0	PICK UP 12 1/4" BHAAS FOLLOWS: 1-12.25" ULTERRA SPL616. (TFA .99) SN-60956 1- 7.75" SB. 1.75° ADJ 7/8 5.9 .16 RPG W/12" NBS 1- 11.75" IBS NORTRACK STAB 1-8" NMDC 1-8" PULSER SUB 1-8' NMDC 1-8" FILTER SUB 1-8" SHOCK SUB 1-XO 6 5/8 REG x NC56 6 - 8"DC 1-X-O 4 1/2IF NC56PIN 15 STANDS HWDP TEST MWD	
05:00	06:00	1.00	TRIP	125.0	1,194.0	HPJSM & TRIP IN HOLE FROM 125, TO 1,194' TOP OF FLOAT COLLAR MONITORING DISP TO GUMBO BOX.	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
1,152.00	1.71	96.30	1,151.88	1.86	1.27	-2.52	0.16	-0.16	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR1, DRLG, TANGENT; 5/30/2022 04:00

Wellbore: OH

Rpt #: 3 Date: 5/31/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$69,325	Cum To Date (Cost) \$360,533	Total WBS (Cost) \$3,486,000	Job % Complete (ML) ... DFS (days) 11.9 3.38

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$0	\$38,340	\$50,000	\$11,660
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	1.08	\$69,325	\$76,723	\$1,380,000	\$1,303,277
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations		
Report Start Date 5/30/2022 06:00	Drilled Last 24 Hours (ft) 3,186.00	End Depth (ftKB) 4,401.0
Operations at Report Time DRILLING 12.25 HOLE @ 4401		24 Hour Forecast TD TO PLAN TD 5,094 +/- CIRC B/U POOH SWAP OUT BHA, R/U & RUN 10 3/4 CSG. TIH W/ BHA # 3 DRILL 9 7/8 HOLE TO KOP
24 Hour Summary TEST CSG TO 1500 PSI 30 MIN, DRILL OUT SHOE TRACK, DRILLING INTERMEDIATE # 1 F/1,215' T/ 4,401'. SERVICE RIG, .5 HRS NPT H&P TROUBLE SHOOTING ELECTRICAL ON # 2 MP,		

Last Casing String SURFACE 1, 1,194.8ftKB	Next Casing OD (in) 10.750	Next Casing Set Depth (ftKB) 5,094
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Mud Check: 5/30/2022 18:00 @ 2,632.0 ftKB Source:ACTIVE		
Depth (ftKB) 2,632.0	Density (lb/gal) 9.90	Funnel Viscosity (s/qt) 28

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	06:30	0.50	BOPTST	1,194.0	1,194.0	TEST CSG 13 3/8" CSG TO 1,500 PSI FOR 30 MIN (GOOD TEST)	
06:30	08:00	1.50	RMWASH	1,149.0	1,215.0	HPJSM & DRILL OUT SHOE TRACK & CEMENT FROM 1,149' TO 1215' W/ GPM 450, WOB 10-20, RPM 20, SPP 1600, DRILL TRQ SET @ 6K WORKED THROUGH FLOAT EQUIP. 2 TIMES TO ENSURE CLEANED UP FLOAT COLLAR @ 1,149' FLOAT SHOE @ 1,194'	
08:00	14:00	6.00	DRLG	1,215.0	2,334.0	ROTATE /SLIDE DRILL 1ST INT 12.25" SECTION F/ 1,215' T/ 2334' = 1119 = 186' FT/HR) WOB 55-65, GPM 700-900, SPP 3000, RPM 60-80, TRQ 21, DIFF 900- 1100 MUD WEIGHT: 10.5 PPG IN, 10.5 PPG OUT 28 VIS NO LOSSES ENCOUNTERED. START BUILDING 14 DEG NUDGE FROM 1500' & HOLD THROUGH INTERVAL	
14:00	14:30	0.50	RIGSVC	2,334.0	2,334.0	SERVICE RIG	
14:30	15:00	0.50	RIGRPR	2,334.0	2,334.0	TROUBLE SHOOT ELECTRICAL ON # 2 MP, CHANGING OUT LINER GASKET ON # 3 MP, CIRC WITH 1 MP TELL WE COULD GET OTHER PMP ON HOLE.	TRIG
15:00	06:00	15.00	DRLG	2,334.0	4,401.0	ROTATE /SLIDE DRILL 1ST INT 12.25" SECTION F/ 1,215' T/ 4,401' =2067' @ 137' FT/HR) ROTATE 1,840' 90% SLIDE 227' 10 % WOB 55-60, GPM 700-900, SPP 3900, RPM 60-80, TRQ 21, DIFF 900- 1100 MUD WEIGHT: 10.9 PPG IN, 10.9 PPG OUT 28 VIS NO LOSSES ENCOUNTERED. 14 DEG NUDGE HOLD THROUGH INTERVAL	

BIT # 2 , BHA # 2 , INTR TANGENT				
Bit Size (in) 12 1/4	Make ULTERRA	Model SPL616	Depth In (ftKB) 1,215.0	Depth Out (ftKB) 5,149.0

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
4,334.00	12.92	153.82	4,263.41	-593.61	-543.77	267.24	1.22	-1.07	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR1, CSG, NONE; 5/31/2022 19:30

Wellbore: OH

Rpt #: 4 Date: 6/1/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL			Planned Days (days) 25.50	Daily Cost (Cost) \$468,653	Cum To Date (Cost) \$829,187	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 4.10	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase	Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)		Cost Variance (Cost)
MOB	0.06		\$0		\$38,340		\$50,000		\$11,660
SURF	1.75		\$0		\$245,470		\$323,000		\$77,530
INTR	2.08		\$468,653		\$545,377		\$1,380,000		\$834,623
PROD	0.00		\$0		\$0		\$1,649,000		\$1,649,000
Daily Operations									
Report Start Date 5/31/2022 06:00			Drilled Last 24 Hours (ft) 748.00			End Depth (ftKB) 5,149.0			
Operations at Report Time RUNNING 10 3/4 CSG @ 4600'					24 Hour Forecast FINISH RUNNING CSG , P/U LANDING JOINT LAND IN MANDEL. CIRC B/U CEMENT 12.25 HOLE, MAKE UP BHA #3 TIH, TEST CSG, DRILL OUT FLOAT EQUIPMENT, DRILLING 9 7/8 HOLE				
24 Hour Summary DRILL INTER # 2 TO TD 5,149'. CIRC B/U SPOT WATER LOSS PILL, POOH TO BHA, LAY OUT DIRECTIONAL BHA, R/U & RUN 10 3/4 CSG T/ 4,600'. PICK UP CRT @ 1,900' DUE TO TIGHT HOLE. WASH DOWN AS NEEDED.									
Last Casing String SURFACE 1, 1,194.8ftKB					Next Casing OD (in) 10.750		Next Casing Set Depth (ftKB) 5,128		
Mud Check: 5/31/2022 18:00 @ 5,149.0 ftKB Source:ACTIVE									
Depth (ftKB) 5,149.0			Density (lb/gal) 10.80			Funnel Viscosity (s/qt) 29			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	14:00	8.00	DRLG	4,401.0	5,149.0	ROTATE /SLIDE DRILL 1ST INT 12.25" SECTION F/ 4,401' T/ 5,149' =748' @ 93 FT/HR) WOB 55-60, GPM 700-900, SPP 3900, RPM 60-80, TRQ 21, DIFF 900- 1100 MUD WEIGHT: 11 PPG IN, 11 PPG OUT 28 VIS NO LOSSES ENCOUNTERED. 14 DEG NUDGE HOLD THROUGH INTERVAL			
14:00	15:30	1.50	CIRC	5,149.0	5,149.0	HPJSM & PUMP 2 X 40 BLL HIGH VIS (60) SWEEPS AND CIRC SURFACE TO SURFACE GPM 900, SPP 4,135, RPM 70 UP & DOWN, TRQ 4,800 SWEEP #1: 20% INCREASE IN COURSE CUTTINGS SWEEP #2: 10% INCREASE IN COURSE CUTTINGS NO WASHOUT CALCULATED (SWEEPS ON TIME) FINAL: GPM 900, SPP 4,088, TRQ 4,200 SPOT 80 BLS WATER LOSS PILL ON BOTTOM W/ 30 BL SLUG ON TOP 1 SACK SODAASH, 3 SACKS ZAN D, 1 SACK PAC			
15:30	19:30	4.00	TRIP	5,149.0	0.0	HPJSM & TRIP OUT OF HOLE FROM 5,149' TO BHA 0' MONITORING HOLE FULL W/ TRIP TANKS.			
19:30	20:30	1.00	BHA	0.0	0.0	LAY OUT NMDC, SHOCK SUB, PULL MWD, DRAIN MOTOR, BREAK OFF BIT BIT GRADE 1-2 CT. MOTOR DRAINED GOOD NO SQUAT. PULL WEAR BUSHING AS PER CACTUS REP			
20:30	21:30	1.00	CSG	0.0	0.0	HPJSM & RIG UP 4 STAR 10.75" CASING HANDLING EQUIP VERIFY OVER HEAD CERTS ID ELEVATORS FUNCTION TEST ALL EQUIP			
21:30	06:00	8.50	CSG	0.0	4,600.0	HPJSM & RUN 10 3/4", 45.5#, J-55 BTC CASING AS FOLLOWS: 1 SUMMIT FLOAT SHOE SET @ 5,128' 1 SUMMIT FLOAT COLLAR SET AT 5,082', 121 JOINTS 10.75" 45.5# J55 BTC CASING 1 CACTUS LANDING MANDREL W/ LAND JOINT. ENCOUNTER TIGHT SPOT F/ 1700' TL 2,000'. WASH DOWN WITH CRT AS NEEDED. NOTE: PUMP THRU FLOATS. (GOOD) VERIFY TORQ ON 10 3/4" 8500# FILL CASING ON THE FLY, GOOD RETURNS THROUGH JOB NOTE: PICK UP CRT @ 1,900' DUE TO TIGHT HOLE.			
BIT # 2 , BHA # 2 , INTR TANGENT									
Bit Size (in) 12 1/4		Make ULTERRA		Model SPL616		Depth In (ftKB) 1,215.0		Depth Out (ftKB) 5,149.0	
Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
5,091.00	8.14	76.62	5,006.54	-726.90	-661.84	342.68	11.39	-1.31	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 5 Date: 6/2/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$224,823	Cum To Date (Cost) \$1,054,010	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (DFS (days)) 20.8 8.52

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$104,000	\$142,340	\$50,000	(\$92,340)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	3.08	\$120,823	\$666,200	\$1,380,000	\$713,800
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations		
Report Start Date 6/1/2022 06:00	Drilled Last 24 Hours (ft) 1,721.00	End Depth (ftKB) 6,870.0
Operations at Report Time DRILLING 9 7/8" INT 2 SECTION @ 6,870'		24 Hour Forecast DRILL 9 7/8" INT 2 SECTION AS PER PLAN TOWARDS TD @ 10,850' +/-

24 Hour Summary
 RUN AND LAND 10 3/4 INT 1 CASING F/ 4,600' T/ 5,128', CIRCULATE BOTTOMS UP FOR CMT, PUMP 10 3/4" CEMENT JOB, LAY OUT LANDING JOINT AND INSTALL PACKOFF, INSTALL WEARBUSHING, PICK UP 9 7/8" INT 2 BHA, TIH T/ 5,082', DRILL CMT AND FLOAT EQUIPMENT F/ 5,082' T/ 5,149', DRILL 9 7/8" INT 2 SECTION F/ 5,149' T/ 6,870'

Last Casing String INTERMEDIATE 1, 5,128.7ftKB	Next Casing OD (in) 7.625	Next Casing Set Depth (ftKB) 10,850
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Mud Check: 6/1/2022 17:00 @ 5,149.0 ftKB Source:ACTIVE		
Depth (ftKB) 5,149.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 28

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	06:30	0.50	CSG	4,600.0	5,128.0	CONTINUE RUNNING 10 3/4", 45.5#, J-55 BTC CASING F/ 4,600' T/ 5,128' AS FOLLOWS: 1 SUMMIT FLOAT SHOE SET @ 5,128' 1 SUMMIT FLOAT COLLAR SET AT 5,082', 121 JOINTS 10.75" 45.5# J55 BTC CASING 1 CACTUS LANDING MANDREL W/ LAND JOINT NOTE: PUMP THRU FLOATS. (GOOD) VERIFY TORQ ON 10 3/4" 8500# FILL CASING ON THE FLY, GOOD RETURNS THROUGH JOB	
06:30	08:00	1.50	CIRC	5,128.0	5,128.0	HPJSM & INSTALL CEMENT HEAD AS PER HALLIBURTON & CIRC. 1 CASING CAP (489 BLS) GPM 269, SPP 450 RD CASING EQUIP AT THIS TIME	
08:00	11:00	3.00	CMTPRI	5,128.0	5,128.0	HPJSM & CEMENT AS FOLLOWS: -PRESSURE TEST LINES TO 3000 PSI. TEST GOOD. -20 BBL FRESH WATER SPACER @ 4 BPM W/ 300 PSI -281 BBLs (630 SKS) OF 11.9 PPG LEAD CEMENT @ 6 BPM W/ 275 PSI -22 BBLs (90 SKS) OF 14.8 PPG TAIL CEMENT @ 4 BPM W/ 180 PSI -DISPLACED CEMENT OUT OF CASING @ 7 BPM (1200 PSI) WITH 489 BBLs OF 10.0 PPG BRINE REDUCED RATE TO 4 BPM @ 480 BBLs FINAL CIRCULATING PRESSURE: 1200 BUMPED TO: 1700 PSI. CHECK FLOATS: GOOD BLED BACK: 3.0 BBLs . FULL RETURNS THROUGH OUT JOB. CEMENT TO SURFACE 65 BLS & SPACER 20 BLS RD CEMENT SURFACE EQUIP	
11:00	13:00	2.00	WLHEAD	5,128.0	0.0	HPJSM & LAY DOWN LAND JOINT INSTALL PACK OFF & TEST SEALS TO 5K/5MIN LOCK DOWN PACK OFF & PERFORM 40K PULL TEST REMOVE JOINT & INSTALL WEAR BUSHING AS PER CACTUS REP	
13:00	14:30	1.50	BHA	0.0	129.0	CONTINUE PICK UP BHAs FOLLOWS; 1-9.875" REED TKC66 (TFA .902) 1- 7 3/4" MPACT 1.75° FBH 7/8 5.9 .17 RPG W/9.625" NBS 1- 9.125" IBS NORTRACK STAB 1-8" NMDC 1-8" PULSER SUB 1-8" NMDC 1-8" FILTER SUB 1-8" SHOCK SUB 1-XO NC56 BOX x 6 5/8 REG PIN 2 STDS 8" DC 1-XO NC56 PIN x 4.5" IF BOX 15 STDS 5" HWDP TEST TOOLS GOOD	
14:30	18:00	3.50	TRIP	129.0	4,982.0	HPJSM & TIH FROM 129' TO 4,982' MONITORING DISP INTO TRIP TANK	
18:00	19:00	1.00	BOPTST	4,982.0	4,982.0	INSTALL ROTATING HEAD FILL PIPE & BREAK CIRC. 5 MIN PRESSURE TEST CASING 1,500 PSI / 30 MIN	



UL LOVELAND 1920-17 W 413H

Job Model: 10000L-3BS MOND

DELAWARE BASIN UNRESTRICTED

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 5 Date: 6/2/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
19:00	20:00	1.00	RMWASH	4,982.0	5,149.0	HPJSM & DRILL OUT SHOE TRACK & CEMENT FROM 5,082' TO 5,149' W/GPM 450, WOB 10-20, RPM 5-20, SPP 1300, DRILL TRQ SET @ 6K WORKED THROUGH FLOAT EQUIP. 2 TIMES TO ENSURE CLEANED UP FLOAT COLLAR @ 5,082' FLOAT SHOE @ 5,128'	
20:00	06:00	10.00	DRLG	5,149.0	6,870.0	DRILL 2ND INT 9.875" SECTION F/ 5,149' T/ 6,870' = 1,721' = 172' FT/HR) WOB 60-70, GPM 750-800, SPP 4,100, RPM 60-70, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 1,604'- 93% SLIDE= 117'- 7% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: STARTED GAINING MUD @ 5,580' AT 30 BBL/15 MIN, SHUT IN ON DRILLING CHOKE, HOLDING 300-340 PSI TO KEEP FROM GAINING	

BIT # 3 , BHA # 3 , INTR VERTICAL

Bit Size (in) 9 7/8	Make NOV	Model TKC66	Depth In (ftKB) 5,149.0	Depth Out (ftKB) 8,966.0
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
6,794.00	14.82	150.46	6,657.31	-1,122.30	-1,020.77	533.19	0.39	-0.39



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 6 Date: 6/3/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$70,822	Cum To Date (Cost) \$1,124,832	Total WBS (Cost) \$3,486,000	Job % Complete (ML) ... DFS (days) 25.2 8.52

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$0	\$142,340	\$50,000	(\$92,340)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	4.08	\$70,822	\$737,022	\$1,380,000	\$642,978
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations					
Report Start Date 6/2/2022 06:00	Drilled Last 24 Hours (ft) 1,655.00		End Depth (ftKB) 8,525.0		
Operations at Report Time DRILLING 9 7/8" INT 2 SECTION @ 8,525'			24 Hour Forecast DRILL 9 7/8" INT 2 SECTION AS PER PLAN TOWARDS TD @ 10,850' +/-		
24 Hour Summary DRILLING 9 7/8" INT 2 SECTION F/ 6,870' T/ 8,525'					
Last Casing String INTERMEDIATE 1, 5,128.7ftKB			Next Casing OD (in) 7.625	Next Casing Set Depth (ftKB) 10,850	

Mud Check: 6/2/2022 17:00 @ 7,937.0 ftKB Source:FLOWLINE					
Depth (ftKB) 7,937.0	Density (lb/gal) 10.00		Funnel Viscosity (s/qt) 28		

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	14:30	8.50	DRLG	6,870.0	7,765.0	DRILL 2ND INT 9.875" SECTION F/ 6,870' T/ 7,765'= 895' = 105' FT/HR) WOB 30-60, GPM 700-750, SPP 4,100, RPM 60-70, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 815'- 91% SLIDE= 80'- 9% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: STARTED GAINING MUD @ 5,580' AT 30 BBL/15 MIN, SHUT IN ON DRILLING CHOKE, HOLDING 275-340 PSI TO KEEP FROM GAINING	
14:30	15:00	0.50	RIGSVC	7,765.0	7,765.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.	
15:00	06:00	15.00	DRLG	7,765.0	8,525.0	DRILL 2ND INT 9.875" SECTION F/ 7,765' T/ 8,525'= 760' = 51' FT/HR) WOB 30, GPM 700, SPP 3,900, DIFF 900, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 676'- 89% SLIDE= 84'- 11% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: STARTED GAINING MUD @ 5,580' AT 30 BBL/15 MIN, SHUT IN ON DRILLING CHOKE, HOLDING 325-415 PSI TO KEEP FROM GAINING	

BIT # 3 , BHA # 3 , INTR VERTICAL					
Bit Size (in) 9 7/8	Make NOV	Model TKC66	Depth In (ftKB) 5,149.0	Depth Out (ftKB) 8,966.0	

Survey Data								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
8,499.00	1.46	166.28	8,335.14	-1,387.81	-1,262.07	660.09	1.44	-1.40



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 7 Date: 6/4/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL		Planned Days (days) 25.50		Daily Cost (Cost) \$79,851	Cum To Date (Cost) \$1,204,683	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 8.52	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase	Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)	Cost Variance (Cost)	
MOB	0.06		\$0		\$142,340		\$50,000	(\$92,340)	
SURF	1.75		\$0		\$245,470		\$323,000	\$77,530	
INTR	5.08		\$79,851		\$816,873		\$1,380,000	\$563,127	
PROD	0.00		\$0		\$0		\$1,649,000	\$1,649,000	
Daily Operations									
Report Start Date 6/3/2022 06:00			Drilled Last 24 Hours (ft) 441.00			End Depth (ftKB) 8,966.0			
Operations at Report Time TIH W/ 8 3/4" BHA @ 1,500'					24 Hour Forecast TIH T/ 1,500' T/ 8,966', DRILL 8 3/4" INT 2 SECTION F/ 8,966' TOWARD SECTION TD @ 10,850'				
24 Hour Summary DRILL 9 7/8" INT 2 SECTION F/ 8,525' T/ 8,966', CIRCULATE B/U AND SPOT 60 BBL H2S PILL ON BTM, STRIP OUT F/ 8,966' T/ 5,100', SPOT 259 BBL ECD PILL, FLOW CHECK, POOH F/ 5,100' T/ 128', WORKING BHA ON RIGFLOOR & M/U 8 3/4" ASSEMBLY AND TEST SAME, TIH T/ 1,500'									
Last Casing String INTERMEDIATE 1, 5,128.7ftKB					Next Casing OD (in) 7.625		Next Casing Set Depth (ftKB) 10,850		
Mud Check: 6/3/2022 17:00 @ 8,956.0 ftKB Source:FLOWLINE									
Depth (ftKB) 8,956.0			Density (lb/gal) 9.80			Funnel Viscosity (s/qt) 28			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	14:00	8.00	DRLG	8,525.0	8,943.0	DRILL 2ND INT 9.875" SECTION F/ 8,525' T/ 8,943'= 418' = 52' FT/HR) WOB 30, GPM 700, SPP 3,900, DIFF 900, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 391'- 94% SLIDE= 27'- 6% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 325-415 PSI TO KEEP FROM GAINING			
14:00	16:00	2.00	CIRC	8,943.0	8,943.0	DRILLING CHOKE PANEL QUIT WORKING, SHUT WELL IN ON ANNULAR AND CIRCULATED THROUGHOUT SUPER CHOKE WHILE WAITING ON DRILLING CHOKE TO BE REPAIRED			SVC
16:00	16:30	0.50	RIGSVC	8,943.0	8,943.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.			
16:30	17:00	0.50	DRLG	8,943.0	8,955.0	DRILL 2ND INT 9.875" SECTION F/ 8,943' T/ 8,955'= 12' = 24' FT/HR) WOB 30, GPM 700, SPP 3,900, DIFF 900, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 12'- 100% SLIDE= 0'- 0% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 325-415 PSI TO KEEP FROM GAINING			
17:00	19:00	2.00	DRLG	8,955.0	8,966.0	DRILL 2ND INT 9.875" SECTION F/ 8,955' T/ 8,966'= 11' = 5' FT/HR) WOB 30, GPM 700, SPP 3,900, DIFF 900, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 5'- 45% SLIDE= 6'- 45% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 325-415 PSI TO KEEP FROM GAINING			
19:00	20:00	1.00	CIRC	8,966.0	8,966.0	CIRCULATE BOTTOMS UP BEFORE TRIPPING OUT OF HOLE FOR NEW DRILLING ASSEMBLY HOLDING 450 PSI WITH DRILLING CHOKE. AT BOTTOMS UP STROKES (6870 STKS) H2S ALARM SOUNDED AT GUMBO BOX SHOWING 16 PPM			



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 7 Date: 6/4/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
20:00	20:30	0.50	CIRC	8,966.0	8,966.0	SHUT IN WELL AND MUSTERED ALL PERSONEL AT MUSTER AREA. CANON H2S REP DONNED SCBA AND AFTER INVESTIGATING IT WAS FOUND TO BE A FALSE ALARM DUE TO LOW BATTERIES IN H2S SENSOR. FOR PRECAUTIONARY MEASURE, ANOTHER CIRCULATION WAS PERFORMED AND RETURNS DIVERTED OVERBOARD TO RESERVE PIT, TOTAL 120 BBLS DUMPED AND WHERE MONITORED WITH 4GAS DETECTOR, NO H2S WAS OBSERVED AT RETURNS TO RESERVE PIT NOTE: SPOT 60 BBLS H2S PILL .6 PPB PAC & SODAASH .9 PPB ZAN., SLUGGED WITH 35 BBLS 15.0 PPG	DVN
20:30	22:30	2.00	TRIP	8,966.0	5,100.0	HPJSM & STRIPPING OUT OF HOLE F/ 8,966' T/ 5,100' 430-475 PSI ON BACK SIDE FILLING BACK SIDE WITH CALCULATED FILL. NOTE: NO MAJOR DRAG ENCOUNTERED.	
22:30	23:00	0.50	CIRC	5,100.0	5,100.0	HPJSM & CHECK SICP FOR 10 MIN STABILIZE @ 485 PSI SPOT ECD PILL @ 5,100', PUMPED 224 TOTAL BBLS OF 15.0 PPG KILL MUD, EQUIVELENT TO 200 PSI OVER SHUT IN, FOLLOWED BY 23 BBLS ACTIVE MUD 35 BBL SLUG PUMPED TO STRIP OUT FOR TOTAL OF 259 BBL KILL MUD PUMPED (3,602') LEAVING 207 BBLS IN ANNULUS AND 52 BBLS INSIDE DRILL STRING, FLOW TAPERED OFF F/ 53% T/ 0% WHILE DISPLACING PILL IN ANNULUS, FLOW CHECK WELL STATIC	
23:00	02:30	3.50	TRIP	5,100.0	0.0	HPJSM & POOH T/ CHANGE OUT BHA DUE TO LOW ROP F/ 5,100' T/ 128' NOTE: AT 3,620' WELL STARTED FLOWING, SHUT IN ON DRILLING CHOKE AND BULLHEADED 35 BBLS 15.0 PPG KILL MUD, FLOWCHECK AT TRIP TANK NO FLOW NOTE: PUMPING CAL. FILL IN ANNULUS, MONITOR WELL ON TRIP TANK. PULL ROTATING HEAD & FLOW CHECK BEFORE PULLING BHA THROUGH BOP, NO FLOW.	
02:30	04:00	1.50	BHA	0.0	121.0	HELD PJSM ON RACKING BACK & L/D DIR TOOLS, RACK BACK & L/D SAME AS FOLLOWS: PULLED MWD TOOL AND L/D MUD MOTOR, RACK ASSEMBLY BACK DRAIN MUD MOTOR, NO SQUAT, BIT BOX TIGHT TKC 66 GRADED 8-8 CORED OUT CONTINUE PICK UP 8 3/4" BHA AS FOLLOWS: 1-8.75" SMIT XZ616 (TFA .90) 1- 7" TAG 1.75° FB 7/8 8.5 .26 RPG W/8.25" NBS 1- 8.0" IBS STAB 1-6.50" NMDC 1-6.50" PULSER SUB 1-6.50' NMDC 1-6.75" SHOCK SUB NOTE: OPEN BLINDS AFTER MAKING UP BHA IN MOUSEHOLE AND WELL STARTED FLOWING, SHUT WELL BACK IN ON BLINDS	
04:00	04:30	0.50	CIRC	121.0	121.0	HPJSM, TRANSFERED KILL MUD TO SLUG TANK AND BULLHEADED 50 BBLS 15.0 PPG KILL MUD TO KILL WELL, FLOW CHECK NO FLOW	
04:30	05:30	1.00	BHA	121.0	215.0	CONT. TO SCRIBE DIRECTIONAL BHA, INSTALLED MWD, M/U TOP NMDC, SHOCK SUB AND 1 STD OF HWDP, TEST TOOLS GOOD	
05:30	06:00	0.50	TRIP	215.0	1,500.0	HPJSM & TRIP IN HOLE FROM 215' TO 1,500' MONITORING FOR DISP AT TRIP TANKS	

BIT # 3 , BHA # 3 , INTR VERTICAL

Bit Size (in)	Make	Model	Depth In (ftKB)	Depth Out (ftKB)
9 7/8	NOV	TKC66	5,149.0	8,966.0

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
8,877.00	2.01	193.84	8,713.04	-1,395.08	-1,269.88	658.92	0.68	0.54



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 1000L-3BS MOND

Partner Report

INTR, INTR2, DRLG, TANGENT; 6/1/2022 13:00

Wellbore: OH

Rpt #: 8 Date: 6/5/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$109,223	Cum To Date (Cost) \$1,313,906	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 32.7
DFS (days) 8.52					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$0	\$142,340	\$50,000	(\$92,340)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	6.08	\$109,223	\$926,096	\$1,380,000	\$453,904
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations					
Report Start Date 6/4/2022 06:00	Drilled Last 24 Hours (ft) 1,184.00		End Depth (ftKB) 10,150.0		
Operations at Report Time DRILLING 8 3/4" INT 2 SECTION @ 10,150'			24 Hour Forecast DRILL 8 3/4" INT 2 SECTION AS PER PLAN TOWARDS TD @ 10,850' +/-, CIRCULATE AND SPOT H2S PILL, POOH TO RUN 7 5/8" INT 2 CASING		
24 Hour Summary TIH F/ 1,500' T/ 8,966', DRILL 8 3/4" INT 2 SECTION F/ 8,966' T/ 10,150' AS PER PLAN					
Last Casing String INTERMEDIATE 1, 5, 128.7ftKB			Next Casing OD (in) 7.625	Next Casing Set Depth (ftKB) 10,850	

Mud Check: 6/4/2022 17:00 @ 9,513.0 ftKB Source:FLOWLINE					
Depth (ftKB) 9,513.0	Density (lb/gal) 10.00		Funnel Viscosity (s/qt) 28		

Time Log							NPT
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	
06:00	10:30	4.50	TRIP	1,500.0	8,966.0	HPJSM & TRIP IN HOLE FROM 1,500' TO 8,966' MONITORING FOR DISP AT TRIP TANKS, FILLING DRILL STRING EVERY 30 STDS. WASH LAST STAND TO BOTTOM, NO EXCESSIVE DRAG OBSERVED NOTE: WELL STARTED DISPLACING FLUID @ 6,395' (PARTIAL RETURNS)	
10:30	17:00	6.50	DRLG	8,966.0	9,513.0	DRILL 2ND INT 8.75" SECTION F/ 8,966' T/ 9,513' = 547' = 84' FT/HR) WOB 40, GPM 580, SPP 3,000, DIFF 650, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 502'- 92% SLIDE= 45'- 8% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 250-350 PSI TO KEEP FROM GAINING	
17:00	17:30	0.50	RIGSVC	9,513.0	9,513.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.	
17:30	06:00	12.50	DRLG	9,513.0	10,150.0	DRILL 2ND INT 8.75" SECTION F/ 9,513' T/ 10,150' = 637' = 51' FT/HR) WOB 40, GPM 580, SPP 3,150, DIFF 800, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 533'- 84% SLIDE= 104'- 16% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 350-390 PSI TO KEEP FROM GAINING	

BIT # 4 , BHA # 4 , INTR VERTICAL					
Bit Size (in) 8 3/4	Make SMITH	Model XZ616	Depth In (ftKB) 8,966.0	Depth Out (ftKB) 10,860.0	

Survey Data									
MD (ftKB) 10,106.00	Incl (°) 1.17	Azm (°) 294.61	TVD (ftKB) 9,940.76	VS (ft) -1,436.50	N/S (ft) -1,308.02	E/W (ft) 676.80	DLS (°/100ft) 0.31	Build (°/100ft) 0.02	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, CSG, NONE; 6/5/2022 23:00

Wellbore: OH

Rpt #: 9 Date: 6/6/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$531,788	Cum To Date (Cost) \$1,845,695	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 38.6
DFS (days) 9.50					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.06	\$0	\$142,340	\$50,000	(\$92,340)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	7.08	\$531,788	\$1,457,885	\$1,380,000	(\$77,885)
PROD	0.00	\$0	\$0	\$1,649,000	\$1,649,000

Daily Operations		
Report Start Date 6/5/2022 06:00	Drilled Last 24 Hours (ft) 710.00	End Depth (ftKB) 10,860.0

Operations at Report Time RUNNING 7 5/8" INT 2 CASING @ 5,400'	24 Hour Forecast RUN & LAND 7 5/8" CASING @ 10,848', CIRCULATE FOR CMT JOB, PERFORM INT.2 CEMENT JOB, INSTALL PACKOFF, NIPPLE DOWN AND INSTALL TA CAP, RELEASE RIG T/ UL LOVELAND 333H
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24 Hour Summary
DRILLING 8 3/4" HOLE F/ 10,150' T/ SECTION TD @ 10,860', CIRC SWEEPS AROUND, POOH TO RUN 7 5/8 CSG. SPOTTING ECD PILL @ 6,000', LAY OUT BHA #4, PULL WEAR BUSHING, RIG UP 7 5/8" CASING TOOLS, RUN 7 5/8" INT 2 CSG T/ 5,400'

Last Casing String INTERMEDIATE 1, 5, 128.7ftKB	Next Casing OD (in) 7.625	Next Casing Set Depth (ftKB) 10,848
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Mud Check: 6/5/2022 17:00 @ 10,860.0 ftKB Source:ACTIVE

Depth (ftKB) 10,860.0	Density (lb/gal) 9.90	Funnel Viscosity (s/qt) 28
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Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	10:30	4.50	DRLG	10,150.0	10,860.0	DRILL 2ND INT 8.75" SECTION F/ 10,150' T/ 10,860' = 710' = 158' FT/HR) WOB 40, GPM 580, SPP 3,150, DIFF 800, RPM 30, TRQ 20-22K MUD WEIGHT: 10.0 PPG IN, 10.0 PPG OUT 28 VIS ROTATE= 710'- 100% SLIDE= 0'- 0% NO MUD CUT OR H2S ON BOTTOMS UP NOTE: SHUT IN ON DRILLING CHOKE, HOLDING 350-390 PSI TO KEEP FROM GAINING	
10:30	13:30	3.00	CIRC	10,860.0	10,860.0	CIRCULATE 2 -30 BBL HVS BOTTOMS UP BEFORE TRIPPING OUT OF HOLE . NO EXCESSIVE CUTTINGS OR GAS ON BOTTOMS UP 3% WASH OUT. NOTE: SPOT 60 BBLs H2S PILL .6 PPB PAC & SODAASH .9 PPB ZAN.	
13:30	16:30	3.00	TRIP	10,860.0	6,000.0	HPJSM & STRIPPING OUT OF HOLE F/ 8,966' T/ 6,000', 430-450 PSI ON BACK SIDE FILLING BACK SIDE WITH CALCULATED FILL. NOTE: NO MAJOR DRAG ENCOUNTERED.	
16:30	17:00	0.50	CIRC	6,000.0	6,000.0	HPJSM & CHECK SICP FOR 10 MIN STABILIZE @ 440 PSI SPOT ECD PILL @ 6,000', PUMPED 240 TOTAL BBLs OF 15.0 PPG KILL MUD, EQUIVALENT TO 200 PSI OVER SHUT IN, FOLLOWED BY 70 BBLs ACTIVE MUD, 40 BBL SLUG AND 10 BBL ACTIVE MUD TO CHASE TOTAL OF 240 BBL KILL MUD PUMPED (868 PSI) LEAVING 180 BBLs IN ANNULUS AND 60 BBLs INSIDE DRILL STRING, FLOW TAPPED OFF F/ 53% T/ 0% WHILE DISPLACING PILL IN ANNULUS, FLOW CHECK WELL STATIC	
17:00	18:00	1.00	TRIP	6,000.0	3,963.0	HPJSM & POOH T/ RUN 7 5/8" INT 2 CASING F/ 6,000' T/ 3,963' NOTE: AFTER SPOTTING 240 BBLs ECD PILL, PULLED 2 STDS AND WELL STARTED FLOWING, SHUT IN ON DRILLING CHOKE AND PUMPED CALCULATED FILL 15.0 PPG KILL MUD IN ANNULUS WHILE PULLING OUT, PUMPED TOTAL 50 BBLs UP TO 3,963' AND RAN OUT OF KILL MUD, DRILLING CHOKE PSI INITIALLY WAS 30 PSI AND CAME UP TO 73 PSI NOTE: @ 17:40 MONITORING PRESSURE ON DRILLING CHOKE WHILE BUILDING 15.0 PPG KILL MUD IN SLUG TANK, DRILLING CHOKE PSI STARTED AT 73 PSI AND ROSE TO 125 PSI WHILE MONITORING AND BUILDING KILL MUD IN SLUG TANK	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, CSG, NONE; 6/5/2022 23:00

Wellbore: OH

Rpt #: 9 Date: 6/6/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
18:00	20:00	2.00	TRIP	3,963.0	2,350.0	HPJSM & STRIPPING OUT OF HOLE F/ 3,963' T/ 2,350', 132 PSI ON DRILLING CHOKE INITIALLY, FILLING BACK SIDE WITH CALCULATED FILL 15.0 PPG KILL MUD, FILLED BACKSIDE WITH TOTAL OF 58 BBLS = 210 PSI, FLOW CHECK WELL FLOWING AT 75% ON FLOW SENSOR, SHUT WELL BACK IN AND BUILD MORE 15.0 PPG KILL FLUID IN SLUG TANK BULLHEAD 79 BBLS 15.0 PPG, CHOKE PSI FELL OFF F/ 97 PSI T/ 0 PSI AFTER 60 BBLS PUMPED, OPEN ORBIT VALVE AND FLOWCHECK NO FLOW	
20:00	21:30	1.50	TRIP	2,350.0	121.0	HPJSM & POOH T/ RUN 7 5/8" INT 2 CASING F/ 2,350' T/ BHA, FILLING ANNULUS WITH CALCULATED DISP., MONITORING ANNULUS FOR FLOW AT TRIP TANKS, PULL ROTATING HEAD AND FLOWCHECK BEFORE PULLING BHA THROUGH BOP NOTE: BUILDING 15.0 PPG KILL MUD WHILE POOH	
21:30	23:00	1.50	BHA	121.0	0.0	HPJSM & WORK BHA AS FOLLOWS: LAY DOWN SHOCK SUB & TOP NMDC PULL MWD & REMAINING COMPONENTS OUT & DRAIN MOTOR BREAK BIT, LAY OUT PULSAR SUB, BTM NMDC AND STAB MOTOR DRAIN GOOD & BIT BOX TIGHT SMITH XZ616 GRADE 1-3 W/ CHIPPED/BROKE CUTTERS ON SHOULDER PULL WEARBUSHING CLEAN RIGFLOOR AND PREPARE TO RIG UP CASING EQUIPMENT	
23:00	23:30	0.50	CSG	0.0	0.0	HPJSM & RIG UP 4 STAR 7.625" CASING HANDLING EQUIP. W/ TURBULAR SOLUTIONS THREAD REP & POLARIS TQ TURN VERIFY OVER HEAD CERTS ID ELEVATORS FUNCTION TEST ALL EQUIP	
23:30	06:00	6.50	CSG	0.0	5,400.0	HPJSM & RUN 7.625" 29.7# L-80 HC MOXFC & BTC CASING AS FOLLOWS: 1 WEATHERFORD 5K FLAOT SHOE 1 JOINT MOXFC FLUSH CASING 1 WEATHERFORD FLAOT COLLAR (CONFIRM CIRC. THROUGH FLOATS) 44 JOINTS MOXFC FLUSH CASING 1 MOXFC x BTC CROSS OVER 194 JOINTS BTC CASING FILLED CASING ON THE FLY NOTE: 76 JOINTS OF 194 JOINTS BTC CSG RAN T/ 5,400' AT 06:00 HRS	

BIT # 4 , BHA # 4 , INTR VERTICAL

Bit Size (in) 8 3/4	Make SMITH	Model XZ616	Depth In (ftKB) 8,966.0	Depth Out (ftKB) 10,860.0
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
10,792.00	4.77	255.44	10,625.98	-1,435.97	-1,314.53	649.75	0.30	-0.30



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

INTR, INTR2, CSG, NONE; 6/5/2022 23:00

Wellbore: OH

Rpt #: 10 Date: 6/6/2022 22:30

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL		Planned Days (days) 25.50		Daily Cost (Cost) \$269,079	Cum To Date (Cost) \$2,114,774	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 9.50	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase	Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)	Cost Variance (Cost)	
MOB	0.06		\$0		\$142,340		\$50,000	(\$92,340)	
SURF	1.75		\$0		\$245,470		\$323,000	\$77,530	
INTR	7.77		\$269,079		\$1,726,964		\$1,380,000	(\$346,964)	
PROD	0.00		\$0		\$0		\$1,649,000	\$1,649,000	
Daily Operations									
Report Start Date 6/6/2022 06:00			Drilled Last 24 Hours (ft) 0.00			End Depth (ftKB) 10,860.0			
Operations at Report Time RELEASE RIG TO THE UL LOVELAND 333H					24 Hour Forecast RELEASE RIG TO THE UL LOVELAND 333H				
24 Hour Summary RUNNING 7 5/8 CSG & LAND @ 10,848', CIRCULATE CASING CAPACITY, WAIT ON HALLIBURTON TO ARRIVE ON LOCATION, CEMENT AS PER PROG, INSTALL PACKOFF AND TEST SAME, N/D BOP'S & INSTALL TA CAP, RIG RELEASE TO WALK TO UL LOVELAND 333H 6-6-2022 @ 22:30									
Last Casing String INTERMEDIATE 2, 10,848.1ftKB					Next Casing OD (in) 5.500		Next Casing Set Depth (ftKB) 21,762		
Mud Check: 6/6/2022 17:00 @ 10,860.0 ftKB Source:ACTIVE									
Depth (ftKB) 10,860.0			Density (lb/gal) 9.90			Funnel Viscosity (s/qt) 28			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	11:30	5.50	CSG	5,400.0	10,848.0	HPJSM & RUN 7.625" 29.7# L-80 HC MOXFC & BTC CASING AS FOLLOWS: 1 WEATHERFORD 5K FLAOT SHOE 1 JOINT MOXFC FLUSH CASING 1 WEATHERFORD FLAOT COLLAR (CONFIRM CIRC. THROUGH FLOATS) 44 JOINTS MOXFC FLUSH CASING 1 MOXFC x BTC CROSS OVER 194 JOINTS BTC CASING 1 CACTUS CASING HANGER 1 LANDING JOINT FILLED CASING ON THE FLY NO ISSUES LANDING			
11:30	13:30	2.00	CIRC	10,848.0	10,848.0	HPJSM & INSTALL CEMENT HEAD AS PER HALLIBURTON & CBU (384 BLS) STAGE PUMPS UP FROM 4 BPM TO 7.5 BPM, SPP= 425, DRILLING CHOKE PSI= 275 RIG DOWN 4 STAR CASING EQUIP AT THIS TIME			
13:30	16:00	2.50	CIRC	10,848.0	10,848.0	CONTINUE TO CIRCULATE @ 7.5 BBL/MIN WHILE WAITING ON HALLIBURTON CEMENT CREW AND PUMP TRUCK TO ARRIVE ON LOCATION NOTE: JOB CALL OUT TIME WAS 08:00 HRS			SVC
16:00	18:30	2.50	CMPRI	10,848.0	10,848.0	HPJSM & CEMENT 7.625" CASING AS FOLLOWS: -PRESSURE TEST LINES TO 6000 PSI. TEST GOOD. -20 BBL FRESH WATER SPACER @ 3 BPM W/ 288 PSI -416 BBLs (1085 SKS) OF 11.5 PPG LEAD CEMENT @ 6.5 BPM W/ 815 PSI -13 BBLs (60 SKS) OF 15.6 PPG TAIL CEMENT @ 3.5 BPM W/ 200 PSI -DISPLACED CEMENT OUT OF CASING @ 7.5 BPM WITH 496 BBLs OF 8.33 PPG FRESH WATER FINAL CIRCULATING PRESSURE: 2100 @ 3BPM BUMPED TO: 2600 PSI. CHECK FLOATS: GOOD BLED BACK: 4.5 BBLs . FULL RETURNS THROUGH OUT JOB CEMENT TO SURFACE= 20 BBLs SPACER AND CMT AT SURFACE ESTIMATED TOP OF CEMENT= 0' NOTE: FINAL PSI ON DRILLING CHOKE 200 PSI			
18:30	19:00	0.50	CIRC	10,848.0	10,848.0	SHUT WELL IN ON ANNULUS AFTER BUMPING PLUG DUE TO WELL FLOWING, FINAL PSI ON DRILLING CHOKE AT BUMP 200 PSI, LINED UP AND BULLHEADED 60 BBLs KILL MUD AT 18.0 PPG (495 PSI) PLACING TOP OF CEMENT @ 1,511' RIG DOWN HALLIBURTON CEMENT HEAD AND CIRCULATING IRON			
19:00	20:30	1.50	WLHEAD	10,848.0	10,848.0	HPJSM & LAY OUT LANDING JOINT, SET PACK OFF AS PER CACTUS, TEST T/ 5K PSI & PULL TEST TO 40K SLIP AND CUT DRILL LINE AT THIS TIME			
20:30	21:30	1.00	BOPN	10,848.0	10,848.0	HPJSM & NIPPLE DOWN BOP: REMOVE FLOW LINE, DRILL CHOKE LINE UN LOCK SPEED HEAD, INSTALL STACK LIFT & PICK STACK UP.			



UL LOVELAND 1920-17 W 413H

Job Model: 1000L-3BS MOND

Wellbore: OH

DELAWARE BASIN UNRESTRICTED

Partner Report

INTR, INTR2, CSG, NONE; 6/5/2022 23:00

Rpt #: 10 Date: 6/6/2022 22:30

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
21:30	22:30	1.00	MOB	10,848.0	10,848.0	HPJSM & PREP FOR WALK, MOVE PDS OUT OF WAY, UN HOOK MISC. WATER, MUD & ELECTRICAL LINES, FUNCTION WALK FEET. RELEASE RIG TO THE UL LOVELAND 333H 6-6-2022 @ 22:30 HRS.	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
10,792.00	4.77	255.44	10,625.98	-1,435.97	-1,314.53	649.75	0.30	-0.30	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, CURVE; 7/2/2022 04:00

Wellbore: OH

Rpt #: 11 Date: 7/2/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$38,653	Cum To Date (Cost) \$2,153,427	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 42.2 DFS (days) 36.35

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$1,757	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$29,868	\$1,756,832	\$1,380,000	(\$376,832)
PROD	0.08	\$7,028	\$7,028	\$1,649,000	\$1,641,972

Daily Operations		
Report Start Date 7/1/2022 19:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 10,860.0
Operations at Report Time MAKING UP 6 3/4" CURVE BHA		24 Hour Forecast TIH T/ FLOAT COLLAR @ 10,800', DISPLACE WATER OUT WITH 12.4 PPG OBM, DRILL CMT AND FLOAT EQUIPMENT F/ 10,800' T/ 10,860', BUILDING 6 3/4" CURVE AS PER DIRECTIONAL PLAN

24 Hour Summary
WELL START @ 19:00 HRS 7/1/22, WALK RIG & CENTER OVER 413H, N/U BOP, TEST BOPE AND 7 5/8" CSG, INSTALL WEARBUSHING, MAKE UP 6 3/4" CURVE BHA

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762
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Mud Check: 7/1/2022 19:00 @ 10,860.0 ftKB Source:ACTIVE

Depth (ftKB) 10,860.0	Density (lb/gal) 12.10	Funnel Viscosity (s/qt) 69
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Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
19:00	19:30	0.50	MOB	0.0	0.0	PREP RIG AND WALK RIG F/ UL LOVELAND 333H T/ 413H AND CENTER OVER WELL	
19:30	21:00	1.50	BOPTST	0.0	0.0	HPJSM & SET IN BOP, NIPPLE UP FLOWLINE AND LOCK DOWN CACTUS QDC ADAPTER, MAKE UP AND INSTALL BIT GUIDE, SET CACTUS TEST PLUG AND FILL BOP W/ WATER	
21:00	03:00	6.00	BOPTST	0.0	0.0	PERFORM BOP TEST AS FOLLOWS: ALL TEST 5 MIN LOW & HIGH @ 250 & 8,500 PSI UNLESS OTHERWISE NOTED TEST CHOKE MANIFOLD IN SIDE, OUT SIDE, MIDDLE, SUPER & MANUAL INSTALL TEST PLUG W/ TEST SUB & TEST LOWER & UPPER PIPE RAMS, ANNUALR TO 3,500 HIGH, DRILL CHOKE & ORBIT VALVE TO 1,500 HIGH, INSIDE, OUT SIDE KILL VALVES, MANUAL & HCR VALVES, CHECK VALVE, KILL LINE, TIW AND DART VALVE, MUD LINES TO PUMP, 4" STAND PIPE VALVE, MANUAL I-BOP T/ 7,500 PSI, NOTE: TESTED CHOKEMANIFOLD, MUD PUMPS AND 4" ON STD PIPE OFF LINE WHILE SETTING BOP.	
03:00	03:30	0.50	BOPTST	0.0	0.0	TEST 7 5/8" CSG TO 2500 PSI 30 MIN	
03:30	04:00	0.50	BOPN	0.0	0.0	INSTALL WEARBUSHING AS PER CACTUS REP. R/D TESTERS	
04:00	06:00	2.00	BHA	0.0	106.0	HPJSM & PICK UP 6 3/4" CURVE BHAAS FOLLOWS: 1-6.75" ULTERRA U611S (TFA .663) 1- SDI 2.12° FBH 6/7 10.4 .70 REV/GAL 1- 5.25" NMDC 1- 5.0' PULSER SUB 1- 5.25" NMDC 1- FLOAT SUB 1- 5.25" X/O SUB (DELTA 425 BOX x 4" FH PIN) TEST MWD GOOD	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
10,792.00	4.77	255.44	10,625.98	-1,435.97	-1,314.53	649.75	0.30	-0.30	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, CURVE; 7/2/2022 04:00

Wellbore: OH

Rpt #: 12 Date: 7/3/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$102,858	Cum To Date (Cost) \$2,256,285	Total WBS (Cost) \$3,486,000	Job % Complete (ML) ... DFS (days) 45.7 36.35

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	1.08	\$102,858	\$109,886	\$1,649,000	\$1,539,114

Daily Operations					
Report Start Date 7/2/2022 06:00	Drilled Last 24 Hours (ft) 620.00		End Depth (ftKB) 11,480.0		
Operations at Report Time DRILLING 6 3/4" CURVE @ 11,480'			24 Hour Forecast DRILL AND LAND 6 3/4" CURVE, DRILL 6 3/4" LATERAL AS PER DIRECTIONAL PLAN		
24 Hour Summary TIH F/ 106' T/ 10,800', DISPLACE WELL WITH 12.4PPG OBM, DRILL CMT AND FLOAT EQUIPMENT F/ 10,800' T/ 10,860', DRILL 6 3/4" CURVE F/ 10,860' T/ 11,480'					
Last Casing String INTERMEDIATE 2, 10,848.1ftKB			Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762	

Mud Check: 7/2/2022 17:00 @ 10,956.0 ftKB Source:FLOWLINE					
Depth (ftKB) 10,956.0	Density (lb/gal) 12.40		Funnel Viscosity (s/qt) 68		

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	09:30	3.50	TRIP	106.0	10,800.0	HPJSM & TRIP IN HOLE F/ 106' T/ 10,800', MONITORING DISP (WATER) OVERBOARD TO OPEN TOP	
09:30	10:30	1.00	CIRC	10,800.0	10,800.0	HPJSM & CIRCULATE AND DIPLACE WATER OUT OF WELL WITH 12.4PPG OBM, CATCH WATER IN OVERBOARD OPEN TOP TANKS, GPM- 300 SPP- 1600 PSI	
10:30	12:00	1.50	RMWASH	10,800.0	10,860.0	HPJSM & DRILL OUT SHOE TRACK & CEMENT W/ GPM 250, SPP 2725, RPM 25, TRQ 9K FLOAT COLLAR @ 10,800' FLOAT SHOE @ 10,848 CEMENT TO 10,860' WORKED THROUGH FOAT & SHOE 2 TIMES TO ENSURE CLEANED UP	
12:00	06:00	18.00	DRLG	10,860.0	11,480.0	DRILL ROTATE 6.75" CURVE SECTION F/ 10,860' T/ 11,480'= 620' @ 35' FT/HR) WOB 30-35, GPM 325, SPP 3,900, RPM 0- 25, TRQ 11K MUD WEIGHT: 12.4PPG IN, 12.4 PPG OUT 68 VIS ROTATE: 213'=24% SLIDE: 470'= 76% KOP @ 10,900'	

BIT # 5 , BHA # 5 , PROD CURVE/LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model U611S	Depth In (ftKB) 10,860.0	Depth Out (ftKB) 12,317.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
11,393.00	47.17	344.72	11,138.55	-1,171.40	-1,066.44	552.63	2.15	1.78	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 13 Date: 7/4/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$68,580	Cum To Date (Cost) \$2,324,865	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 51.1
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	2.08	\$68,580	\$178,465	\$1,649,000	\$1,470,535

Daily Operations					
Report Start Date 7/3/2022 06:00	Drilled Last 24 Hours (ft) 837.00			End Depth (ftKB) 12,317.0	
Operations at Report Time POOH WITH CURVE BHA @ 6,100'			24 Hour Forecast POOH AND LAY OUT 6 3/4" CURVE BHA, MAKE UP 6 3/4" LATERAL BHA, TIH T/ 12,317', DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN		
24 Hour Summary DRILL 6 3/4" CURVE F/ 11,480' AND LAND @ 12,020'; DRILL 6 3/4" LATERAL F/ 12,020' T/ 12,317', CIRCULATE BOTTOMS UP TO POOH DUE TO LOW ROP, SOOH F/ 12,317' T/ 10,800', FLOW CHECK WELL STATIC, POOH F/ 10,800' T/ 6,100'					

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762
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Mud Check: 7/3/2022 17:00 @ 11,924.0 ftKB Source:FLOWLINE					
Depth (ftKB) 11,924.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 61			

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	19:00	13.00	DRLG	11,480.0	12,020.0	DRILL ROTATE 6.75" CURVE SECTION F/ 11,480' T/ 12,020'= 540' @ 42' FT/HR) WOB 30-35, GPM 325, SPP 3,900, RPM 0- 25, TRQ 12K MUD WEIGHT: 12.4PPG IN, 12.4 PPG OUT 68 VIS ROTATE: 190'=35% SLIDE: 350'= 65% KOP @ 10,900' LANDED CURVE: MD 12,020', INC 86.56, AZM 344.43, TVD 11,354.76', VS -598.27 LANDED HIGH 5.1' & LEFT 13.1'	
19:00	02:00	7.00	DRLG	12,020.0	12,317.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 12,020' T/ 12,317'= 297' @ 42' FT/HR) WOB 38, GPM 325, SPP 3850, DIFF 600, RPM 30, TRQ 12K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 68 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 242'= 81% SLIDE: 55'= 19% TL CHANGE @ 01:44= 11,383' TVD @ 0' VS 89.2° INC 15' UP/15' DOWN	
02:00	02:30	0.50	CIRC	12,317.0	12,317.0	HPJSM & CIRC. BOTTOMS UP @ GPM 325, SPP 3850 PREPARE FOR POOH PUMP 40 BBL SLUG @ 15.5 PPG = 484 PSI ROP SLOWED TO INTO THE 30'S FOR 1 HOUR, DECISION MADE TO TOOH FOR NEW ASSEMBLY	
02:30	04:00	1.50	TRIP	12,317.0	10,800.0	HPJSM & SOOH FROM 12,317' TO 10,800' HOLDING 300-400 PSI BACK PRESSURE PULLED SLICK THROUGH CURVE W/ 310K RELEASE PRESSURE & FLOW CHECK, WELL STATIC DECISION MADE TO POOH, PUMP 40 BBL SLUG	
04:00	06:00	2.00	TRIP	10,800.0	6,100.0	HPJSM & CONTINUE POOH FROM 10,800' TO 6,100' MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS)	

BIT # 5 , BHA # 5 , PROD CURVE/LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model U611S	Depth In (ftKB) 10,860.0	Depth Out (ftKB) 12,317.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
12,274.00	89.66	343.77	11,365.30	-344.83	-269.18	334.24	1.16	0.77	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 14 Date: 7/5/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL		Planned Days (days) 25.50		Daily Cost (Cost) \$77,838	Cum To Date (Cost) \$2,402,703	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 49.81	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase		Cum Duration (days)		Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)		
MOB		0.08		\$0	\$144,097	\$50,000	(\$94,097)		
SURF		1.75		\$0	\$245,470	\$323,000	\$77,530		
INTR		8.13		\$0	\$1,756,832	\$1,380,000	(\$376,832)		
PROD		3.08		\$77,838	\$256,304	\$1,649,000	\$1,392,696		
Daily Operations									
Report Start Date 7/4/2022 06:00			Drilled Last 24 Hours (ft) 773.00			End Depth (ftKB) 13,090.0			
Operations at Report Time DRILLING 6 3/4" LATERAL @ 13,090'					24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN				
24 Hour Summary POOH F/ 6,100' T/ BHA, WORK BHA AND PICK UP 6 3/4" LATERAL ASSEMBLY, TIH F/ BHA T/ 8,500', HELD SAFETY STAND DOWN MEETING, TIH F/ 8,500' T/ 9,850', CHANGE OUT TDS SAVER SUB, TIH F/ 9,850' T/ 11,000', WASH/REAM F/ 11,000' T/ 12,317', DRILL 6 3/4" LATERAL F/ 12,317' T/ 13,090'									
Last Casing String INTERMEDIATE 2, 10,848.1ftKB					Next Casing OD (in) 5.500		Next Casing Set Depth (ftKB) 21,762		
Mud Check: 7/4/2022 17:00 @ 12,317.0 ftKB Source:FLOWLINE									
Depth (ftKB) 12,317.0			Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 64			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	08:00	2.00	TRIP	6,100.0	106.0	HPJSM & CONTINUE POOH FROM 6,100' TO BHA, MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS), FLOW CHECK AT 6,000' WELL STATIC			
08:00	10:00	2.00	BHA	106.0	0.0	HPJSM, WORK BHA & PICK UP 6 3/4" LATERAL BHA# 6 AS FOLLOWS: 1- 6.75" ULTERRA RPS613 (TFA .90) 1- 5.75" SB MUD MOTOR 1.50° FBH 6/7 10.3 .60 REV/GAL 1-5 13/16" X-O SUB (XT39 PIN x 4" FH BOX) 1- 5.25" NMDC 1- 5..25" PULSER SUB 1- 5.25" NMDC 1- 5.25" X/O SUB (DELTA 425 BOX x 4" FH PIN) 1- 4.5 HWDP 1- 6 13/16 DRILL N REAM 2- 4.5 HWDP 30 STDS- 4 1/2" DP 1- 5 1/4" AGITATOR 1.375 PLATE 85 STDS- 4 1/2" DP 14 STDS- 4 1/2" HWDP TEST TOOLS GOOD NOTE: NO SQUAT ON MOTOR BIT BOX TIGHT, ULTERRA U611S BIT GRADE 1-2-WT-IN GAUGE			
10:00	13:30	3.50	TRIP	0.0	8,500.0	HPJSM & TIH FROM 106' TO 8,500', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BLS/ 5 STDS) FILL PIPE EVERY 40 STANDS. INSTALL ROTATING HEAD P/U AGITATOR 3,064' 1350 PSI BEFORE PICKED UP@ 300 GPM 1950 PSI AFTER PICKED UP @ 300 GPM			
13:30	14:00	0.50	SAFETY	8,500.0	8,500.0	HELD SAFETY STAND DOWN WITH ALL PERSONNEL ON LOCATION AND DEVON RIG FOREMAN			
14:00	14:30	0.50	TRIP	8,500.0	9,850.0	HPJSM & TIH FROM 8,500' TO 9,850', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BLS/ 5 STDS) FILL PIPE EVERY 40 STANDS			
14:30	16:00	1.50	TRIP	9,850.0	9,850.0	HPJSM & CHANGE OUT TOP DRIVE SAVER SUB DUE TO QUESTIONABLE THREAD CONDITION			
16:00	16:30	0.50	TRIP	9,850.0	11,000.0	HPJSM & TIH FROM 9,850' TO 11,000', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BLS/ 5 STDS) FILL PIPE			
16:30	18:00	1.50	RMWASH	11,000.0	12,317.0	HPJSM, WASH & REAM F/ 11,000' T/ 12,317' @ 300 GPM, 50 RPM, TQ 9-12 K, 3350 PSI			
18:00	00:00	6.00	DRLG	12,317.0	12,811.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 12,317' T/ 12,811'= 494' @ 82' FT/HR) WOB 30-35, GPM 300, SPP 3500, DIFF 1100, RPM 60, TRQ 12K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 68 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 443'= 90% SLIDE: 51'= 10% CURRENT TL= 11,383' TVD @ 0' VS 89.2° INC 15' UP/15' DOWN			
00:00	00:30	0.50	CIRC	12,811.0	12,811.0	CIRCULATE AND RECYCLE, TROUBLE SHOOT MWD DECODING ISSUES, CHANGE PARAMETERS ON DUAL TRANSDUCER FILTERING AND ESTABLISHED 8# PULSES			SVC



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 14 Date: 7/5/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
00:30	06:00	5.50	DRLG	12,811.0	13,090.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 12,811' T/ 13,090'= 279' @ 51' FT/HR) WOB 30-35, GPM 300, SPP 3500, DIFF 700, RPM 50-65, TRQ 14K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 68 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 254'= 91% SLIDE: 25'= 9% CURRENT TL= 11,383' TVD @ 0' VS 89.2° INC 5' UP/25' DOWN	

BIT # 6 , BHA # 6 , PROD LATERAL

Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 12,317.0	Depth Out (ftKB) 15,983.0
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
13,029.00	87.08	344.85	11,407.00	408.57	455.29	126.70	0.66	-0.61



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 15 Date: 7/6/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$67,429	Cum To Date (Cost) \$2,470,132	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 60.1
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	4.08	\$67,429	\$323,733	\$1,649,000	\$1,325,267

Daily Operations					
Report Start Date 7/5/2022 06:00	Drilled Last 24 Hours (ft) 1,418.00		End Depth (ftKB) 14,508.0		
Operations at Report Time DRILLING 6 3/4" LATERAL @ 14,508'			24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN		
24 Hour Summary DRILL 6 3/4" LATERAL F/ 13,090' T/ 14,508'					
Last Casing String INTERMEDIATE 2, 10,848.1ftKB			Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762	

Mud Check: 7/5/2022 17:00 @ 13,634.0 ftKB Source:FLOWLINE					
Depth (ftKB) 13,634.0	Density (lb/gal) 12.40		Funnel Viscosity (s/qt) 63		

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	06:00	24.00	DRLG	13,090.0	14,508.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 13,090' T/ 14,508' = 1,418' @ 59' FT/HR WOB 35, GPM 300, SPP 3500, DIFF 850, RPM 45-65, TRQ 15K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 1,342' = 95% SLIDE: 76' = 5% TL CHANGE @ 05:30 = 11,432' TVD @ 0' VS 90.3° INC 15' UP/15' DOWN	

BIT # 6 , BHA # 6 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 12,317.0	Depth Out (ftKB) 15,983.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
14,447.00	90.70	342.58	11,424.57	1,825.80	1,821.30	-251.48	0.79	0.74	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 1000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 16 Date: 7/7/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$97,614	Cum To Date (Cost) \$2,567,746	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 65.5
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	5.08	\$97,614	\$421,347	\$1,649,000	\$1,227,653

Daily Operations					
Report Start Date 7/6/2022 06:00	Drilled Last 24 Hours (ft) 1,372.00			End Depth (ftKB) 15,880.0	
Operations at Report Time DRILLING 6 3/4" LATERAL @ 15,880'			24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762		
24 Hour Summary DRILL 6 3/4" LATERAL F/ 14,508' T/ 15,880'					
Last Casing String INTERMEDIATE 2, 10,848.1ftKB			Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762	

Mud Check: 7/6/2022 17:00 @ 15,336.0 ftKB Source:FLOWLINE					
Depth (ftKB) 15,336.0	Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 65	

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	17:30	11.50	DRLG	14,508.0	15,358.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 14,508' T/ 15,358'= 850' @ 74' FT/HR) WOB 35, GPM 300, SPP 3500, DIFF 850, RPM 55-65, TRQ 16K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 811'= 95% SLIDE: 39'= 5% CURRENT TL= 11,432' TVD @ 0° VS 90.3° INC 15' UP/15' DOWN	
17:30	18:00	0.50	RIGSVC	15,358.0	15,358.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP., RECORD SPR	
18:00	06:00	12.00	DRLG	15,358.0	15,880.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 15,358' T/ 15,880'= 522' @ 44' FT/HR) WOB 35, GPM 300, SPP 3850, DIFF 650, RPM 50-60, TRQ 17K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 460'= 88% SLIDE: 62'= 12% CURRENT TL= 11,432' TVD @ 0° VS 90.3° INC 15' UP/15' DOWN	

BIT # 6 , BHA # 6 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 12,317.0	Depth Out (ftKB) 15,983.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
15,861.00	91.31	343.28	11,427.96	3,236.64	3,165.45	-688.12	2.94	2.39	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 17 Date: 7/8/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL			Planned Days (days) 25.50		Daily Cost (Cost) \$79,105	Cum To Date (Cost) \$2,646,851	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 49.81
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.							Rig Number 600		
Job Phase		Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)	Cost Variance (Cost)
MOB		0.08		\$0		\$144,097		\$50,000	(\$94,097)
SURF		1.75		\$0		\$245,470		\$323,000	\$77,530
INTR		8.13		\$0		\$1,756,832		\$1,380,000	(\$376,832)
PROD		6.08		\$79,105		\$500,452		\$1,649,000	\$1,148,548
Daily Operations									
Report Start Date 7/7/2022 06:00				Drilled Last 24 Hours (ft) 103.00			End Depth (ftKB) 15,983.0		
Operations at Report Time TIH W/ LATERAL BHA 2 @ 13,800'					24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762				
24 Hour Summary DRILL 6 3/4" LATERAL F/ 15,880' T/ 15,983', CIRCULATE BOTTOMS UP TO POOH DUE TO LOW ROP, FLOW CHECK WELL STATIC, POOH F/ 15,983' T/ BHA, LAY OUT BIT, MOTOR AND MWD, PICK UP BHA #7, TIH T/ 5,939', SLIP AND CUT DRILL LINE, TIH F/ 5,939' T/ 13,800'									
Last Casing String INTERMEDIATE 2, 10,848.1ftKB						Next Casing OD (in) 5.500		Next Casing Set Depth (ftKB) 21,762	
Mud Check: 7/7/2022 17:00 @ 15,983.0 ftKB Source:ACTIVE									
Depth (ftKB) 15,983.0			Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 66			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	09:00	3.00	DRLG	15,880.0	15,983.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 15,880' T/ 15,983'= 103' @ 34' FT/HR) WOB 35, GPM 320, SPP 4050, DIFF 450, RPM 50-60, TRQ 17K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 103'= 100% SLIDE: 0'= 0% CURRENT TL= 11,432' TVD @ 0' VS 90.3° INC 15' UP/15' DOWN			
09:00	10:00	1.00	CIRC	15,983.0	15,983.0	HPJSM & CIRC. BOTTOMS UP @ GPM 32, SPP 4250 PREPARE FOR POOH PUMP 40 BBL SLUG @ 15.5 PPG = 484 PSI ROP SLOWED TO INTO THE 30'S FOR 1 HOUR, DECISION MADE TO TOOH FOR NEW ASSEMBLY NOTE: FLOW CHECK ON BOTTOM WELL STATIC			
10:00	18:30	8.50	TRIP	15,983.0	0.0	HPJSM & POOH FROM 15,983' TO BHA, MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS), WORK THROUGH VARIOUS TIGHT HOLE UP TO 14,700' THEN PULLED SLICK TO SURFACE, MAX OVERPULL= 100K OVER STRING WEIGHT			
18:30	20:30	2.00	BHA	0.0	105.0	HPJSM, WORK BHA & PICK UP 6 3/4" LATERAL 2 BHA AS FOLLOWS: 1- 6.75" ULTERRA RPS613 (TFA .901) 1- 5" BICO (W/ 6.25" NBS) 1.75° FBH 7/8 3.8 .56 REV/GAL 1- 5.25" X-O SUB (XT39 PIN x 4" FH BOX) 1- 6.375" NM IBS 1- 5.25" NMDC 1- 5.0' PULSER SUB 1- 5.25" NMDC 1- 5.25" FLOAT SUB 1- 5.25" X/O SUB (DELTA 425 BOX x 4" FH PIN) 1- JOINT- 4 1/2" HWDP 1- 6 13/16 DRILL N REAM 2 JOINT- 4 1/2" HWDP 30 STDS- 4 1/2" DP 1- 5 1/4" AGITATOR 85 STDS- 4 1/2" DP 14 STDS- 4 1/2" HWDP TEST TOOLS GOOD NOTE: NO SQUAT AND BIT BOX TIGHT ON SB 1.50° MUD MOTOR, ULTERRA RPS613 BIT GRADED 7-2-CORED/BROKE CUTTERS, CHANGED OUT BIT, MUD MOTOR AND MWD, P/U 6 3/8" STABILIZER ON TOP OF MOTOR			
20:30	00:30	4.00	TRIP	105.0	5,939.0	HPJSM & TIH FROM 105' TO 5,939', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BLS/ 5 STDS) FILL PIPE EVERY 40 STANDS. P/U AGITATOR 3,062' 2200 PSI BEFORE PICKED UP@ 290 GPM 2600 PSI AFTER PICKED UP @ 290 GPM			



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 17 Date: 7/8/2022 06:00

Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT		
00:30	01:30	1.00	RIGSVC	5,939.0	5,939.0	HPJSM, SLIP & CUT DRILL LINE, MONITOR ANNULUS AT TRIP TANKS WHILE CUTTING DRILL LINE, WELL STATIC			
01:30	06:00	4.50	TRIP	5,939.0	13,800.0	HPJSM & TIH FROM 5,939' TO 13,800', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BBLS/ 5 STDS) FILL PIPE , INSTALL ROT HEAD			
BIT # 6 , BHA # 6 , PROD LATERAL									
Bit Size (in)	Make	Model			Depth In (ftKB)	Depth Out (ftKB)			
6 3/4	ULTERRA	RPS613			12,317.0	15,983.0			
Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
15,955.00	92.25	344.83	11,425.04	3,330.57	3,255.79	-713.93	1.93	1.00	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 18 Date: 7/9/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$107,186	Cum To Date (Cost) \$2,754,037	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 70.5 DFS (days) 49.81

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	7.08	\$107,186	\$607,638	\$1,649,000	\$1,041,362

Daily Operations		
Report Start Date 7/8/2022 06:00	Drilled Last 24 Hours (ft) 688.00	End Depth (ftKB) 16,671.0
Operations at Report Time POOH DUE TO PRESSURE LOSS @ 4,000'		24 Hour Forecast CONT POOH LOOKING FOR WASHOUT TO BHA, WORK BHA AND PICK UP 6 3/4" LATERAL BHA #8, TIH T/ 16,671', DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN

24 Hour Summary
TIH F/ 13,800' T/ 15,983', DRILL 6 3/4" LATERAL F/ 15,983' T/ 16,671', DECISION MADE TO POOH DUE TO PRESSURE LOSS AND LOOK FOR WASHOUT, POOH F/ 16,671' T/ 4,000'

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762
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Mud Check: 7/8/2022 17:00 @ 16,467.0 ftKB Source:FLOWLINE

Depth (ftKB) 16,467.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 64
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Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	07:30	1.50	TRIP	13,800.0	15,983.0	HPJSM & TIH FROM 13,800' TO 15,983', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BBLs/ 5 STDS) FILL PIPE EVERY 40 STDS , WASH LAST STAND TO BOTTOM	
07:30	17:30	10.00	DRLG	15,983.0	16,486.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 15,983' T/ 16,486'= 503' @ 50' FT/HR) WOB 35, GPM 290, SPP 4,150, DIFF 800, RPM 50, TRQ 17K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 454'= 90% SLIDE: 49'= 10% CURRENT TL= 11,432' TVD @ 0' VS 90.3° INC 15' UP/15' DOWN	
17:30	18:00	0.50	RIGSVC	16,486.0	16,486.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP., RECORD SPR	
18:00	22:00	4.00	DRLG	16,486.0	16,671.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 16,486' T/ 16,671'= ' @ 185' FT/HR) WOB 35, GPM 290, SPP 4,100, DIFF 600, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 185'= 100% SLIDE: 0'= 0% CURRENT TL= 11,432' TVD @ 0' VS 90.3° INC 15' UP/15' DOWN NOTE: AT 16,625' DRILL STRING TORQUED AND STALLED, PICKED UP DRILL STRING AND NOTICED OFF BTM PSI 200 PSI LOW, CHECKED AND ELIMINATED ALL SURFACE EQUIPMENT AS BEING TO THE PROBLEM, WENT BACK TO BTM WITH 50 RPM, 290 GPM 34 WOB AND ROP WAS AT 20 FPM FROM 100 FPM BEFORE LOSING PRESSURE, DRILL F/ 16,625' T/ 16,671' AND ROP FELL T/ 10 FPM, PICKED UP OFF BTM AND NOTICED AN ADDITIONAL 250 PSI LOSS. DECISION MADE TO POOH	
22:00	22:30	0.50	CIRC	16,671.0	16,671.0	HPJSM, CIRCULATE WHILE PREPARING TO POOH, FILLED TRIP TANKS, LINED MUD PUMPS UP TO PUMP FROM TRIP TANK DOWN KILL LINE, APPLIED 300 PSI ON ANNULUS TO STRIP OUT AND DRILL STRING BEGAN TO RUN OVER. DECISION MADE TO POOH LOOKING FOR A WASHOUT	SVC
22:30	06:00	7.50	TRIP	16,671.0	4,000.0	HPJSM & POOH FROM 16,671' TO 4,000, MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS), NO EXCESSIVE DRAG OBSERVED, P/U WEIGHT OFF BTM= 335K NOTE: SHUT IN ON DRILLING CHOKE AND PRESSURE UP ON BACKSIDE EVERY 2000' TO CONFIRM WASHOUT STILL BELOW ROTARY.	SVC



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 18 Date: 7/9/2022 06:00

BIT # 7 , BHA # 7 , PROD LATERAL									
Bit Size (in)	Make	Model	Depth In (ftKB)	Depth Out (ftKB)					
6 3/4	ULTERRA	RPS613	15,983.0	16,671.0					
Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
16,617.00	87.38	342.70	11,405.16	3,991.76	3,896.58	-876.94	3.84	-2.57	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 19 Date: 7/10/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL		Planned Days (days) 25.50		Daily Cost (Cost) \$69,697	Cum To Date (Cost) \$2,823,733	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 49.81	
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.						Rig Number 600			
Job Phase		Cum Duration (days)		Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)		
MOB		0.08		\$0	\$144,097	\$50,000	(\$94,097)		
SURF		1.75		\$0	\$245,470	\$323,000	\$77,530		
INTR		8.13		\$0	\$1,756,832	\$1,380,000	(\$376,832)		
PROD		8.08		\$69,697	\$677,334	\$1,649,000	\$971,666		
Daily Operations									
Report Start Date 7/9/2022 06:00			Drilled Last 24 Hours (ft) 449.00			End Depth (ftKB) 17,120.0			
Operations at Report Time DRILLING 6 3/4" LATERAL @ 17,120'					24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762				
24 Hour Summary POOH F/ 4,000' T/ BHA & FOUND WASH OUT BETWEEN DRILL-N-REAM AND HWDP, LAY OUT MWD & BIT, MAKE UP NEW 6 3/4" LATERAL BHA, TIH T/ 16,671', DRILL 6 3/4" LATERAL F/ 16,671' T/ 17,120'									
Last Casing String INTERMEDIATE 2, 10,848.1ftKB					Next Casing OD (in) 5.500		Next Casing Set Depth (ftKB) 21,762		
Mud Check: 7/9/2022 17:00 @ 16,671.0 ftKB Source:ACTIVE									
Depth (ftKB) 16,671.0			Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 66			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	08:30	2.50	DRLG	4,000.0	105.0	HPJSM & POOH FROM 4,000 TO BHA, FOUND WASHOUT IN DRILL STRING BETWEEN TOP OF DRILL-N-REAM AND HWDP (145' FROM BIT), MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS) NOTE: SHUT IN ON DRILLING CHOKE AND PRESSURE UP ON BACKSIDE EVERY 2000' TO CONFIRM WASHOUT STILL BELOW ROTARY.			SVC
08:30	11:30	3.00	BHA	105.0	0.0	HPJSM, LAY OUT DRILL-N-REAM, 1 STD OF HWDP, WORK BHA & PICK UP 6 3/4" LATERAL 3 BHA AS FOLLOWS: 1- 6.75" ULTERRA RPS613 (TFA .901) 1- 5" BICO (W/ 6.25" NBS) 1.75° FBH 7/8 3.8 .56 REV/GAL 1- 5.25" X-O SUB (XT39 PIN x 4" FH BOX) 1- 6.375" NM IBS 1- 5.25" NMDC 1- 5.0' PULSER SUB 1- 5.25" NMDC 1- 5.25" FLOAT SUB 1- 5.25" X/O SUB (DELTA 425 BOX x 4" FH PIN) 1- JOINT- 4 1/2" HWDP 1- 6 13/16 DRILL N REAM 2 JOINT- 4 1/2" HWDP 30 STDS- 4 1/2" DP 1- 5 1/4" AGITATOR 85 STDS- 4 1/2" DP 13 STDS- 4 1/2" HWDP TEST TOOLS GOOD NOTE: RERAN BICO 7/8 3.8 1.75° MOTOR, ULTERRA RPS613 BIT GRADED 1-2-PLUG JETS/CHIPPED CUTTERS, CHANGED OUT DRILL-N-REAM, BIT AND MWD			SVC
11:30	16:00	4.50	TRIP	0.0	10,846.0	HPJSM & TIH FROM 105' TO 10,846', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BBLS/ 5 STDS) FILL PIPE EVERY 40 STANDS., INSTALL ROT HEAD P/U AGITATOR 3,062' 1900 PSI BEFORE PICKED UP@ 290 GPM 2450 PSI AFTER PICKED UP @ 290 GPM			SVC
16:00	16:30	0.50	RIGSVC	10,846.0	10,846.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.			SVC
16:30	20:00	3.50	TRIP	10,846.0	16,671.0	HPJSM & TIH FROM 10,846' TO 16,671, MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BBLS/ 5 STDS) FILL PIPE EVERY 40 STANDS., WASH LAST STD TO BOTTOM			SVC
20:00	06:00	10.00	DRLG	16,671.0	17,120.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 16,671' T/ 17,120'= 449' @ 45' FT/HR) WOB 32, GPM 290, SPP 4,100, DIFF 1000, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 63 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 379'= 84% SLIDE: 70'= 16% CURRENT TL= 11,432' TVD @ 0' VS 90.3° INC 30' UP/0' DOWN			



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 19 Date: 7/10/2022 06:00

BIT # 8 , BHA # 8 , PROD LATERAL									
Bit Size (in) 6 3/4	Make ULTERRA			Model RPS613			Depth In (ftKB) 16,671.0	Depth Out (ftKB) 19,067.0	
Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
17,090.00	89.23	344.35	11,380.36	4,463.65	4,350.93	-1,004.73	3.83	-3.81	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 20 Date: 7/11/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs						
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A		
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$56,661	Cum To Date (Cost) \$2,880,394	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 49.81

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	9.08	\$56,661	\$733,995	\$1,649,000	\$915,005

Daily Operations		
Report Start Date 7/10/2022 06:00	Drilled Last 24 Hours (ft) 1,280.00	End Depth (ftKB) 18,400.0
Operations at Report Time DRILLING 6 3/4" LATERAL @ 18,400'		24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762
24 Hour Summary DRILL 6 3/4" LATERAL F/ 17,120' T/ 18,400'		
Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762

Mud Check: 7/10/2022 17:00 @ 17,808.0 ftKB Source:FLOWLINE		
Depth (ftKB) 17,808.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 62

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	16:30	10.50	DRLG	17,120.0	17,748.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 17,120' T/ 17,748'= 628' @ 60' FT/HR) WOB 32, GPM 290, SPP 4,150, DIFF 1000, RPM 60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 586'= 93% SLIDE: 42'= 7% CURRENT TL= 11,432' TVD @ 0' VS 90.3° INC 30' UP/0' DOWN	
16:30	17:00	0.50	RIGSVC	17,748.0	17,748.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP., RECORD SPR	
17:00	06:00	13.00	DRLG	17,748.0	18,400.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 17,748' T/ 18,400'= 652' @ 50' FT/HR) WOB 32, GPM 290, SPP 4,150, DIFF 1050, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 62 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 599'= 92% SLIDE: 53'= 8% TL CHANGE @ 22:11= 11,400' TVD @ 0' VS 90.2° INC 15' UP/15' DOWN	

BIT # 8 , BHA # 8 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 16,671.0	Depth Out (ftKB) 19,067.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
18,317.00	88.93	339.48	11,371.56	5,688.07	5,524.65	-1,356.15	0.74	-0.74	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 21 Date: 7/12/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$90,082	Cum To Date (Cost) \$2,970,476	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 80.9
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	10.08	\$90,082	\$824,077	\$1,649,000	\$824,923

Daily Operations					
Report Start Date 7/11/2022 06:00	Drilled Last 24 Hours (ft) 667.00			End Depth (ftKB) 19,067.0	
Operations at Report Time DRILLING 6 3/4" LATERAL @ 19,067'			24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762		
24 Hour Summary DRILL 6 3/4" LATERAL F/ 18,400' T/ 19,067'					
Last Casing String INTERMEDIATE 2, 10,848.1ftKB			Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762	

Mud Check: 7/11/2022 17:00 @ 18,754.0 ftKB Source:FLOWLINE					
Depth (ftKB) 18,754.0	Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 62	

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	16:30	10.50	DRLG	18,400.0	18,764.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 18,400' T/ 18764'=364' @ 35' FT/HR) WOB 32, GPM 290, SPP 4,150, DIFF 1050, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 62 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 332'= 91% SLIDE: 32'= 9% CURRENT TL= 11,400' TVD @ 0' VS 90.2° INC 15' UP/15' DOWN	
16:30	17:00	0.50	RIGSVC	18,764.0	18,764.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP., RECORD SPR	
17:00	06:00	13.00	DRLG	18,764.0	19,067.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 18,764' T/ 19,067'=311' @ 24' FT/HR) WOB 32, GPM 290, SPP 4,150, DIFF 1050, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 62 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 274'= 91% SLIDE: 29'= 9% CURRENT TL= 11,400' TVD @ 0' VS 90.2° INC 15' UP/15' DOWN	

BIT # 8 , BHA # 8 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 16,671.0	Depth Out (ftKB) 19,067.0	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
18,978.00	90.47	346.33	11,383.99	6,347.54	6,153.46	-1,558.29	1.66	1.03	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 22 Date: 7/13/2022 06:00

Sub-Division DELAWARE BASIN		Region DELAWARE BASIN EAST		Field Name MONUMENT DRAW SOUTH FLD		County WARD	State/Province TX	API/UWI 4247538333	
Surface Legal Location 20--			Latitude (°) 31° 31' 36.373" N		Longitude (°) 103° 9' 31.443" W		Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)
Jobs									
Job Category DRILLING/COMPLETIONS			Primary Job Type DRILLING			Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL			Planned Days (days) 25.50		Daily Cost (Cost) \$125,676	Cum To Date (Cost) \$3,096,152	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 49.81
Rigs									
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.							Rig Number 600		
Job Phase		Cum Duration (days)		Field Est this Report (Cost)		Cum Phase Costs (Cost)		Planned Cost (Cost)	Cost Variance (Cost)
MOB		0.08		\$0		\$144,097		\$50,000	(\$94,097)
SURF		1.75		\$0		\$245,470		\$323,000	\$77,530
INTR		8.13		\$0		\$1,756,832		\$1,380,000	(\$376,832)
PROD		11.08		\$125,676		\$949,753		\$1,649,000	\$699,247
Daily Operations									
Report Start Date 7/12/2022 06:00			Drilled Last 24 Hours (ft) 63.00			End Depth (ftKB) 19,130.0			
Operations at Report Time DRILLING 6 3/4" LATERAL @ 19,130'					24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762				
24 Hour Summary CIRCULATE BOTTOMS UP @ 19,067', SOOH F/ 19,067' T/ 10,829', FLOW CHECK WELL STATIC, POOH F/ 10,829' T/ BHA, WORK BHA & PICK UP NEW 6 3/4" BHA, TIH T/ 18,438', WASH/REAM TIGHT HOLE F/ 18,437' T/ 19,067', DRILL 6 3/4" LATERAL F/ 19,067' T/ 19,130'									
Last Casing String INTERMEDIATE 2, 10,848.1ftKB					Next Casing OD (in) 5.500			Next Casing Set Depth (ftKB) 21,762	
Mud Check: 7/12/2022 17:00 @ 19,067.0 ftKB Source:ACTIVE									
Depth (ftKB) 19,067.0			Density (lb/gal) 12.40			Funnel Viscosity (s/qt) 66			
Time Log									
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description			NPT
06:00	07:30	1.50	CIRC	19,067.0	19,067.0	HPJSM & CIRC. BOTTOMS UP @ GPM 290, SPP 4150 PREPARE FOR POOH PUMP 40 BBL SLUG @ 15.5 PPG = 484 PSI ROP SLOWED TO INTO THE 20'S FOR 1 HOUR, DECISION MADE TO TOOH FOR NEW ASSEMBLY			
07:30	12:00	4.50	TRIP	19,067.0	10,829.0	HPJSM & SOOH FROM 19,067' TO 10,829' HOLDING 300-400 PSI BACK PRESSURE PULLED SLICK THROUGH CURVE W/ 305K RELEASE PRESSURE & FLOW CHECK, WELL STATIC DECISION MADE TO POOH, PUMP 40 BBL SLUG			
12:00	12:30	0.50	FLWTST	10,829.0	10,829.0	FLOW CHECK AT TRIP TANKS FOR 30 MIN, WELL STATIC, DECISION MADE TO CONTINUE POOH			
12:30	17:00	4.50	TRIP	10,829.0	0.0	HPJSM & CONTINUE POOH FROM 10,829' TO BHA' MONITORING CORRECT HOLE FILL TO TRIP TANKS (3 BLS / 5 STANDS)			
17:00	19:00	2.00	BHA	0.0	105.0	HPJSM, WORK BHA & PICK UP 6 3/4" LATERAL BHAAS FOLLOWS: 1- 6.75" ULTERRA RPS613 (TFA .901) 1- 5" BICO (W/ 6.25" NBS) 1.75" FBH 7/8 3.8 .56 REV/GAL 1- 5.25" X-O SUB (XT39 PIN x 4" FH BOX) 1- 6.375" NM IBS 1- 5.25" NMDC 1- 5.0' PULSER SUB 1- 5.25" NMDC 1- 5.25" FLOAT SUB 1- 5.25" X/O SUB (DELTA 425 BOX x 4" FH PIN) 1- JOINT- 4 1/2" HWDP 1- 6 13/16 DRILL N REAM 2 JOINT- 4 1/2" HWDP 30 STDS- 4 1/2" DP 1- 5 1/4" AGITATOR 85 STDS- 4 1/2" DP 13 STDS- 4 1/2" HWDP TEST TOOLS GOOD NOTE: NO SQUAT AND BIT BOX TIGHT ON SB 1.50" MUD MOTOR, ULTERRA RPS613 BIT GRADED 2-2-BROKE CUTTERS, CHANGED OUT BIT, MUD MOTOR AND MWD			
19:00	19:30	0.50	RIGSVC	105.0	105.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.			
19:30	04:00	8.50	TRIP	105.0	18,438.0	HPJSM & TIH FROM 105' TO 18,438', MONITORING CORRECT DISPLACEMENT AT TRIP TANKS (9.5 BBL/ 5 STDS) FILL PIPE EVERY 40 STANDS., INSTALL ROT HEAD, UNABLE TO GET THROUGH TIGHT HOLE @ 18,438' P/U AGITATOR 3,062' 1950 PSI BEFORE PICKED UP@ 290 GPM 2450 PSI AFTER PICKED UP @ 290 GPM			
04:00	05:30	1.50	RMWASH	18,438.0	19,067.0	WASH & REAM TIGHT HOLE F/ 18,438' T/ 19,067', GPM- 275 SPP- 4350 RPM- 50 TQ- 13-15K			



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 22 Date: 7/13/2022 06:00

Time Log								
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT	
05:30	06:00	0.50	DRLG	19,067.0	19,130.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 19,067' T/ 19,130'= 63' @ 63' FT/HR) WOB 32, GPM 275, SPP 4,250, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 63'= 100% SLIDE: 0'= 0% CURRENT TL= 11,400' TVD @ 0' VS 90.2° INC 15' UP/15' DOWN		
BIT # 9 , BHA # 9 , PROD LATERAL								
Bit Size (in)	Make	Model	Depth In (ftKB)	Depth Out (ftKB)				
6 3/4	ULTERRA	RPS613	19,067.0	21,717.0				
Survey Data								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
19,072.00	87.72	345.72	11,385.47	6,441.51	6,244.66	-1,580.99	3.00	-2.93



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 23 Date: 7/14/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$56,894	Cum To Date (Cost) \$3,153,046	Total WBS (Cost) \$3,486,000	Job % Complete (ML) ... 85.1
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	12.08	\$56,894	\$1,006,647	\$1,649,000	\$642,353

Daily Operations		
Report Start Date 7/13/2022 06:00	Drilled Last 24 Hours (ft) 790.00	End Depth (ftKB) 19,920.0
Operations at Report Time DRILLING 6 3/4" LATERAL @ 19,920'		24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762

24 Hour Summary DRILL 6 3/4" LATERAL F/ 19,130' T/ 19,920' SERVICE RIG		
Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762

Mud Check: 7/13/2022 18:00 @ 19,527.0 ftKB Source:ACTIVE		
Depth (ftKB) 19,527.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 64

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	15:30	9.50	DRLG	19,130.0	19,412.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 19,130' T/ 19,412' = 282' @ 29' FT/HR) WOB 32, GPM 275, SPP 4,150, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 232' = 83% SLIDE: 50' = 17%	
15:30	16:00	0.50	RIGSVC	19,412.0	19,412.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.	
16:00	06:00	14.00	DRLG	19,412.0	19,920.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 19,412 T/ 19,920' = 508' @ 36' FT/HR) WOB 32, GPM 275, SPP 4,150, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 453' = 90% SLIDE: 55' = 10%	

BIT # 9 , BHA # 9 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 19,067.0	Depth Out (ftKB) 21,717.0	

Survey Data								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
19,828.00	90.47	347.92	11,360.59	7,196.42	6,971.24	-1,786.41	2.59	-2.37



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 24 Date: 7/15/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs						
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A		
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$57,314	Cum To Date (Cost) \$3,210,360	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 89.0	DFS (days) 49.81

Rigs						
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)	
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)	
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530	
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)	
PROD	13.08	\$57,314	\$1,063,961	\$1,649,000	\$585,039	

Daily Operations		
Report Start Date 7/14/2022 06:00	Drilled Last 24 Hours (ft) 1,015.00	End Depth (ftKB) 20,935.0

Operations at Report Time DRILLING 6 3/4" LATERAL @ 20,935'	24 Hour Forecast DRILL 6 3/4" LATERAL SECTION AS PER DIRECTIONAL PLAN TOWARD TD @ +/- 21,762
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24 Hour Summary DRILL 6 3/4" LATERAL F/ 19,920 T/ 20,935' SERVICE RIG		
Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,762

Mud Check: 7/14/2022 18:00 @ 20,470.0 ftKB Source:ACTIVE		
Depth (ftKB) 20,470.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 63

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	17:00	11.00	DRLG	19,920.0	20,464.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 19,920 T/ 20,464' = 544' @ 49' FT/HR) WOB 32, GPM 275, SPP 4,150, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 512' = 95% SLIDE: 32' = 5 %	
17:00	17:30	0.50	RIGSVC	20,464.0	20,464.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.	
17:30	06:00	12.50	DRLG	20,464.0	20,935.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 20,464 T/ 20,935' = 470' @ 37' FT/HR) WOB 32, GPM 275, SPP 4,150, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 440' = 94% SLIDE: 30' = 6 %	

BIT # 9 , BHA # 9 , PROD LATERAL					
Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 19,067.0	Depth Out (ftKB) 21,717.0	

Survey Data								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
20,868.00	88.79	343.71	11,360.35	8,234.85	7,975.63	-2,050.09	2.75	-1.15



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 25 Date: 7/16/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs

Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$59,065	Cum To Date (Cost) \$3,269,425	Total WBS (Cost) \$3,486,000
			Job % Complete (ML) (...)	DFS (days) 49.81

Rigs

Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.			Rig Number 600		
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	14.08	\$59,065	\$1,123,026	\$1,649,000	\$525,974

Daily Operations

Report Start Date 7/15/2022 06:00	Drilled Last 24 Hours (ft) 782.00	End Depth (ftKB) 21,717.0
Operations at Report Time SOOH @ 19,000'		24 Hour Forecast PERFORM CLEAN UP CYCLE, POOH TO SHOE, FLOW CHECK, TOO, LAY OUT BHA, R/U & RUN LINER,
24 Hour Summary DRILL 6 3/4" LATERAL F/ 20,935; T/ 21,717' SERVICE RIG.PUMP SWEEP CIRC B/U, SHORT TRIP T/ 19,000' HOLDING BACK PRESSURE 300 PSI. BACK REAM TIGHT SPOTS.TRIP IN HOLE		

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,717
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Mud Check: 7/15/2022 18:00 @ 21,439.0 ftKB Source:ACTIVE

Depth (ftKB) 21,439.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 65
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Time Log

Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	15:30	9.50	DRLG	20,935.0	21,398.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 20,935 T/ 21,398'= 463' @ 48' FT/HR) WOB 32, GPM 275, SPP 4,300, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 463'= 100% SLIDE: 0'=0 %	
15:30	16:00	0.50	RIGSVC	21,398.0	21,398.0	RIG SERVICE: INSPECT DRILLING EQUIPMENT, GREASE & CHECK ALL FLUIDS PERFORM DROPS INSP.	
16:00	23:30	7.50	DRLG	21,398.0	21,717.0	DRILL ROTATE 6.75" LATERAL SECTION F/ 20,935 T/ 21,717'= 319' @ 42' FT/HR) WOB 32, GPM 275, SPP 4,300, DIFF 900, RPM 50-60, TRQ 17-20K MUD WEIGHT: 12.4 PPG IN, 12.4 PPG OUT 66 VIS NO LOSSES/ GAINS OR FLARE ROTATE: 319'= 100% SLIDE: 0'=0 %	
23:30	02:00	2.50	CIRC	21,717.0	21,717.0	PUMP SWEEP 30 BBLs 2 PPG OVER WT SWEEP (14.4 #) AT BIT AT TD. CIRCULATE BOTTOM UP RECIPRICATE PIPE UP & DOWN 50-100 FPM GPM 300, SPP 4600, RPM 80, TRQ 12K SWEEP= 10% INCREASE IN FINE CUTTINGS ACROSSED SHAKERS. NO CHANGE IN SPP OR TRQ PUMP 30 BBL SLUG @ 14.4 PPG	
02:00	03:00	1.00	CIRC	21,717.0	21,717.0	CHANGE OUT SWIVEL PACKING, STARTED LEAKING PUMP SLUG TROUBLE SHOOT IRON HORSE DRILLING CHOKE, FOUND TRIPPED BREAKER IN LOWER MCC HOUSE.	
03:00	06:00	3.00	WTRIP	21,717.0	19,000.0	HPJSM & PERFORM WIPER TRIP F/21,715' T/ LAST TRIP POINT 19,000' SOOH HOLDING 300-350 PSI BACK PRESSURE, PULLING 350-410K, ENCOUNTERED TIGHT SPOTS @ 20,400'- 20,200' PULLING UP TO 450K WOULD NOT BREAK OVER. BACK REAM OUT W/ 275 GPM 60 RPM,	

BIT # 9 , BHA # 9 , PROD LATERAL

Bit Size (in) 6 3/4	Make ULTERRA	Model RPS613	Depth In (ftKB) 19,067.0	Depth Out (ftKB) 21,717.0
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
21,717.00	89.43	331.22	11,346.83	9,076.89	8,771.66	-2,334.50	0.00	0.00



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, DRLG, LATERAL; 7/3/2022 19:00

Wellbore: OH

Rpt #: 26 Date: 7/17/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$71,599	Cum To Date (Cost) \$3,341,025	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 92.4
DFS (days) 49.81					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	15.08	\$71,599	\$1,194,625	\$1,649,000	\$454,375

Daily Operations					
Report Start Date 7/16/2022 06:00	Drilled Last 24 Hours (ft) 0.00			End Depth (ftKB) 21,717.0	
Operations at Report Time LAYING OUT BHA			24 Hour Forecast RIGGING UP CSG CREW, RUN 5.5 LINER, PICK UP HANGER, TIH WITH 4.5 DP.		
24 Hour Summary TIH TO 21,717' WASH & REAM AS NEEDED, PERFORM CLEAN UP CYCLE, PUMP SLUG, SOOH HOLDING 300 PSI, T/ 10,800' SLIP & CUT DRLG LINE, FLOW CHECK, TOO H FILLING BACK SIDE WITH ACTIVE MUD, L/O DD TOOLS,					

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,717
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Mud Check: 7/15/2022 18:00 @ 21,717.0 ftKB Source: ACTIVE		
Depth (ftKB) 21,717.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 65

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	10:30	4.50	WTRIP	19,000.0	20,415.0	TIH F/ 19,000' T/ 20,415' ENCOUNTERED EXCESSIVE DRAG. WASH AND REAM F/ 20,415' T/ 21,717' 300 GPM W/ 4,800 PSI, 50 RPM W/ 14-18K FT/LBS TORQUE. NO EXCESSIVE CUTTINGS ACROSS SHAKERS.	
10:30	18:00	7.50	CIRC	20,415.0	21,717.0	CIRCULATE AND PERFORM CLEAN UP CYCLE AS FOLLOWS: GPM 300, SPP 4000, TRQ 12K RECIPRICATE PIPE @ 50-100 FPM & 80 RPM'S UP AND DOWN-- 1ST SWEEP #1 40 BBL WT @ 14.2 PPG (2 # OVER)-- 10% INCREASE IN FINE CUTTINGS. SWEEP #2: 30 BL WT @ 14.2 PPG (2# OVER) -- INCREASE IN FINE CUTTINGS ACROSS SHAKERS 10% SWEEP #3: 30 BL WT @ 13.8 PPG (2# OVER) -- NO CHANGE IN FINE CUTTINGS ACROSS SHAKERS NO WASH CALCULATED-- #1, #2 AND #3 SWEEPS CAME BACK ON TIME.	
18:00	18:30	0.50	CIRC	21,717.0	21,717.0	PUMP 45 BBL SLUG @ 15.8 PPG.	
18:30	23:30	5.00	TRIP	21,717.0	10,800.0	HPJSM & PERFORM TOO H F/21,715' T/ 10,800' SOOH HOLDING 300-350 PSI BACK PRESSURE, PULLING 350 - 410K. NO TIGHT SPOTS ENCOUNTERED, HOLE TAKING PROPER FILL.	
23:30	00:30	1.00	RIGSVC	10,800.0	10,800.0	HPJSM, SLIP & CUT DRILL LINE, MONITOR ANNULUS AT TRIP TANKS WHILE CUTTING DRILL LINE, WELL STATIC, DID NOT SPOT ECS PILL. DROP RABBIT THROUGH HWDP & DP.	
00:30	05:30	5.00	WTRIP	10,800.0	104.0	HPJSM & CONTINUE TOO H PUMPING W/ TRIP TANKS DOWN BACKSIDE & MONITORING CORRECT HOLE FILL FROM 10,800' T/ 104' FLOW CHECK @ 5000' WELL STATIC	
05:30	06:00	0.50	BHA	104.0	0.0	HPJSM, HANDLE BHA, LAY DOWN NON MAG DRILL COLLAR, PULL MWD, DRAIN MUD MOTOR, MUD MOTOR HAD NO EXCESSIVE SQUAT OR SLACK, MOTOR DRAINED GOOD, BREAK OFF BIT, BIT GRADED 3-1-CT -IN GAUGE. LAY DOWN MUD MOTOR, CLEAN RIG FLOOR.	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
21,717.00	89.43	331.22	11,346.83	9,076.89	8,771.66	-2,334.50	0.00	0.00	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, LNR, NONE; 7/17/2022 06:00

Wellbore: OH

Rpt #: 27 Date: 7/18/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$403,263	Cum To Date (Cost) \$3,744,287	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 96.3
DFS (days) 52.56					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	16.08	\$403,263	\$1,597,888	\$1,649,000	\$51,112

Daily Operations		
Report Start Date 7/17/2022 06:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 21,717.0
Operations at Report Time RUNNING 5.5 LINER @ 19,000'		24 Hour Forecast CIRCULATE 1 BOTTOMS UP, MAKE UP CMT HEAD AND SET AND RELEASE LINER HANGER WITH TOL @ 8,434', R/U HALLIBURTON CIRC LINES, TEST LINES 8,500 AND PUMP CEMENT JOB. SET LINER TOP PACKER, CIRCULATE CEMENT OFF TOP OF LINER, PERFORM SYSTEM TEST T/ 2500 PSI, DISPLACE W/ TREATED BRINE, LAY DOWN DP.

24 Hour Summary
LAYING OUT DIRECTINAL TOOLS, R/U 4 STAR CSG TOOLS, RUN LINER W/ TQ TURN T/ 13,294', BREAK CIRC BEFORE AND AFTER P/U LINER, RIG DOWN CSG CREW, TIH @ 90-120 FPM T/ 19,000'

Last Casing String INTERMEDIATE 2, 10,848.1ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,717
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Mud Check: 7/17/2022 18:00 @ 21,717.0 ftKB Source:ACTIVE		
Depth (ftKB) 21,717.0	Density (lb/gal) 12.40	Funnel Viscosity (s/qt) 67

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	07:00	1.00	BHA	0.0	0.0	HPJSM, HANDLE BHA, LAY DOWN NON MAG DRILL COLLAR, PULL MWD, DRAIN MUD MOTOR, MUD MOTOR HAD NO EXCESSIVE SQUAT OR SLACK, MOTOR DRAINED GOOD, BREAK OFF BIT, BIT GRADED 3-1-CT -IN GAUGE. LAY DOWN MUD MOTOR, CLEAN RIG FLOOR.	
07:00	08:30	1.50	CSG	0.0	0.0	HPJSM & RIG UP 4 STAR CASING SERVICES 5.5" CASING HANDLING TOOLS W/ POLARIS TORQUE TURN. VERIFY OVER HEAD CERTS FUNCTION TEST ALL EQUIP BAKER TOOL HAND ON LOC.	
08:30	23:30	15.00	CSG	0.0	8,434.0	HPJSM & RUN 5 1/2" 20.0# P-110 VARN PRODUCTION LINER AS FOLLOWS: 1 CITADEL FLOAT SHOE 1 BAKER LANDING COLLAR 1 PUP JOINT 1 NOV BPS FRAC SLEEVE 119 JOINTS 5.5" 20.0# P-110 VARN 1 MARKER JOINT 21.00' 200 JOINTS 5.5" 20.0# P-110 VARN FILLING ON FLY, TAKING RETURNS TO TRIP TANKS TO MONITOR DISP (WELL GIVING PROPER DISPLACEMENT)	
23:30	00:30	1.00	CSG	8,434.0	8,434.0	BREAK CIRCULATION W/ 5 BPM @ 1,650 PSI. PICK UP LINER HANGER WITH BAKER REP AND LOWER BELOW ROTARY TABLE. BREAK CIRCULATION THROUGH LINER HANGER W/ 5BPM @ 1,650 PSI.	
00:30	06:00	5.50	TRIP	8,434.0	19,000.0	RIG DOWN 4 STAR & POLARIS CASING HANDLING EQUIP. TIH WITH PRODUCTION LINER ON 14 STANDS OF 4 1/2" HWDP F/ 13,294' T/ 14,619' INSTALL ROTATING HEAD, CONTINUE TO TIH WITH PRODUCTION CASING ON 4 1/2" DRILL PIPE F/ 14,619' T/ 19,000' @ 90-120 FPM, P/U 360K S/O 120K	

Survey Data										
MD (ftKB) 21,717.00	Incl (°) 89.43	Azm (°) 331.22	TVD (ftKB) 11,346.83	VS (ft) 9,076.89	N/S (ft) 8,771.66	E/W (ft) -2,334.50	DLS (°/100ft) 0.00	Build (°/100ft) 0.00		



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, LNR, NONE; 7/17/2022 06:00

Wellbore: OH

Rpt #: 28 Date: 7/19/2022 06:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs					
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A	
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$242,832	Cum To Date (Cost) \$3,987,119	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...) 100.0
DFS (days) 52.56					

Rigs					
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.				Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)
PROD	17.08	\$242,832	\$1,840,720	\$1,649,000	(\$191,720)

Daily Operations		
Report Start Date 7/18/2022 06:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 21,717.0
Operations at Report Time LAYING OUT DP OUT OF DERRICK.		24 Hour Forecast LAYING DOWN DP OUT DERRICK, N/D BOP'S & WELL RELEASE. PREP TO MOVE 52 MILES TO PETERSBURG STATE PAD

24 Hour Summary
TIH @ 90 FPM T/ 21,717' CIRCULATE 1 BOTTOMS UP, MAKE UP CMT HEAD AND SET AND RELEASE LINER HANGER WITH TOL @ 8,434', R/U HALLIBURTON CIRC LINES, TEST LINES 8,500 AND PUMP CEMENT JOB PUMP LINER CMT JOB, SET LINER TOP PACKER, CIRCULATE CEMENT OFF TOP OF LINER, PERFORM SYSTEM TEST T/ 2500 PSI, DISPLACE W/ TREATED BRINE, LAY DOWN DRILL PIPE & BAKER RUNNING TOOL. TIH WITH STANDS IN DERRICK LAY DOWN SAME.

Last Casing String LINER, 21,717.0ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,717
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Mud Check: <Date?> @ <Depth?> Source:<Source?>

Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)
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Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	07:30	1.50	CSG	19,000.0	21,717.0	TIH WITH PRODUCTION LINER F/ 19,000' T/ 21,717', APPLIED 16K TQ IN STRING AND WORK DOWN PICKING UP T/ 350K AND SETTING DOWN T/ 75K, NUETRAL WEIGHT 230K, NO ISSUES GETTING TO BOTTOM.	
07:30	09:00	1.50	CIRC	21,717.0	21,717.0	HPJSM CIRCULATE 1 BOTTOMS UP (432 BLS) STAGE PUMPS UP FROM 2 BPM TO 5 BPM = SPP 2650 NO LOSSES OBSERVED OR FLARE ON BOTTOMS UP GAS UNITS = 1000 MUD WT 12.4 IN/OUT	
09:00	10:00	1.00	CIRC	21,717.0	21,717.0	HPJSP W/ RTM. PICK UP CEMENT HEAD .DROP 1.25" PHENOLIC BALL & PUMP 1ST BALL DOWN @ 3 BPM SEATING BALL @ 921 STKS, PRESSURE UP TO 2,300 PSI & SLACK OFF FROM HL 280K TO 135K SETTING LINER HANGER, RAISE PSI & SHEAR BALL SEAT @ 4313 PSI, CIRC. @ 2 BPM TO ENSURE GOOD CIRC.	
						DROP & PUMP 1.5" PHENOLIC BALL 882 STROKES (50 BLS) @ 3 BPM, REDUCE RATE TO 2 BPM , SEATING BALL INTO SEAT @ 882 STROKES, RAISE PSI & BLOW BALL SEAT @ 2,423 PSI, CIRC. @ 3 BPM TO ENSURE GOOD CIRC. PU FROM NEUTRAL TO BREAK OVER 220K,MARK PIPE & PICK UP 3' FREE TRAVEL TO INSURE RELEASE FROM LINER, CIRC @ 4 BPM TO CONFIRM FLOW, SET BACK DOWN W/ 90K TO CEMENT LINER,	
10:00	13:00	3.00	CMPRI	21,717.0	21,717.0	HPJSM, INSTALL HALLIBURTON CMT SURFACE LINE & CEMENT PROD LINER AS FOLLOWS: TEST LINES 8,500 PSI, PUMP 30 BBL 13.5 PPG TUNE SPACER, 205 BLS 935 SX 14.5# CEMENT @ 4 BPM, DROP PLUG DISPLACE WITH 275 BBL MMCR 8.4 TREATED WATER W/ INHIBITOR & BIOCIDES & HALLIBURTON RETARDANT, 86 BLS 12.4 # OBM, BUMPED PLUG ON TIME, FINAL CIRCULATING PRESSURE OF 4,200 PSI, BUMPED 1K OVER TO 5,200 PSI, HELD FOR 5 MIN, BLED BACK 6.5 BLS TO TRUCK, FLOATS HELD.	
13:00	13:30	0.50	CIRC	21,717.0	21,717.0	SET PACKER AS PER BAKER REP. SET DOWN 10K, MARK PIPE, PICK UP TO EXPOSE SETTING DOGS, BEGIN ROTATING STRING WHILE SLACKING OFF TO SET PACKER. 15 RPM W/ 10K FT/LBS TORQUE. SHEAR PACKER WITH 50K SET DOWN, CONTINUE TO SET DOWN TO 75K HOOK LOAD, TOTAL 135K SET DOWN. POSITIVE SET. PRESSURE UP STRING TO 1,000 PSI, STING OUT OF SEAL ASSEMBLY.	
13:30	14:00	0.50	CIRC	21,717.0	21,717.0	HPJSM & CIRCULATE BOTTOMS UP & SPACER & CEMENT OUT OF HOLE PUMPING @ 11 BPM W/ 1960 PSI. CAUGHT 30 BLS SPACER & NO CEMENT	
14:00	14:30	0.50	CIRC	21,717.0	21,717.0	PERFORM FULL SYSTEM TEST ON TOP OF LINER W/ TOP RAMS CLOSED 2500 PSI / 5 MIN	
14:30	16:30	2.00	CIRC	21,717.0	8,434.0	HPJSM & ROLL HOLE OVER TO TREATED BRINE (323 BLS) PUMPING 11 BPM , SPP 800 FLUSH SURFACE LINES, STACK & CHOKE TO ENSURE CLEAN OF CEMENT,LAY DOWN CMT HEAD PERFROM NEGATIVE TEST AGAINST PIPE RAMS = 0 PSI	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, LNR, NONE; 7/17/2022 06:00

Wellbore: OH

Rpt #: 28 Date: 7/19/2022 06:00

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
16:30	01:30	9.00	TRIP	8,434.0	0.0	LAY DOWN DRILL PIPE F/ 8,434 TO SURFACE MONITORING CORRECT HOLE FILL W/ TREATED BRINE LAY OUT RUNNING TOOL W/ ALL COMPONENTS IN PLACE	
01:30	06:00	4.50	TRIP	0.0	0.0	TIH W/ 74 STANDS LAY OUT SAME NOTE: NEW TEX CLEANING MUD PITS,	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
21,717.00	89.43	331.22	11,346.83	9,076.89	8,771.66	-2,334.50	0.00	0.00	



UL LOVELAND 1920-17 W 413H

DELAWARE BASIN UNRESTRICTED

Job Model: 10000L-3BS MOND

Partner Report

PROD, PROD1, LNR, NONE; 7/17/2022 06:00

Wellbore: OH

Rpt #: 29 Date: 7/20/2022 00:00

Sub-Division DELAWARE BASIN	Region DELAWARE BASIN EAST	Field Name MONUMENT DRAW SOUTH FLD	County WARD	State/Province TX	API/UWI 4247538333
Surface Legal Location 20--	Latitude (°) 31° 31' 36.373" N	Longitude (°) 103° 9' 31.443" W	Ground Elevation (ft) 2,610.48	Orig KB Elevation (ft) 2,636.98	TH Elev (ft)

Jobs						
Job Category DRILLING/COMPLETIONS	Primary Job Type DRILLING	Auth MD (ftKB) 21,762.0	Auth TVD (ftKB)	Target Formation WOLFCAMP A		
WBS Number XX-148928.02.DRL	Planned Days (days) 25.50	Daily Cost (Cost) \$183,515	Cum To Date (Cost) \$4,170,635	Total WBS (Cost) \$3,486,000	Job % Complete (ML) (...)	DFS (days) 52.56

Rigs						
Contractor, Rig Name HELMERICH & PAYNE INTERNATIONAL DRILLING CO.					Rig Number 600	
Job Phase	Cum Duration (days)	Field Est this Report (Cost)	Cum Phase Costs (Cost)	Planned Cost (Cost)	Cost Variance (Cost)	
MOB	0.08	\$0	\$144,097	\$50,000	(\$94,097)	
SURF	1.75	\$0	\$245,470	\$323,000	\$77,530	
INTR	8.13	\$0	\$1,756,832	\$1,380,000	(\$376,832)	
PROD	17.83	\$183,515	\$2,024,236	\$1,649,000	(\$375,236)	

Daily Operations		
Report Start Date 7/19/2022 06:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 21,717.0
Operations at Report Time WELL RELEASED @ 00:00		24 Hour Forecast WELL RELEASED.

24 Hour Summary LAYING DOWN DRILL PIPE OUT OF DERRICK. PULL WEAR BUSHING, N/D BOP'S AND SET TUBING HEAD.		
Last Casing String LINER, 21,717.0ftKB	Next Casing OD (in) 5.500	Next Casing Set Depth (ftKB) 21,717

Mud Check: <Date?> @ <Depth?> Source:<Source?>		
Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)

Time Log							
Start Time	End Time	Dur (hr)	Operation	Start Depth (ftKB)	End Depth (ftKB)	Description	NPT
06:00	20:30	14.50	TRIP	0.0	0.0	TIH W/ 74 STANDS LAY OUT SAME	
						NOTE: NEW TEX CLEANING MUD PITS. LOAD OUT MISC LOAD. WASH ON RIG EQUIPMENT.	
20:30	21:00	0.50	BOPN	0.0	0.0	HPJSM & PULL WEAR BUSHING & BIT GUIDE, INSTALL BACK PRESSURE VALVE	
21:00	00:00	3.00	BOPN	0.0	0.0	HPJSM & NIPPLE DOWN BOP: REMOVE DRILL CHOKE & ANACONDA LINE, PULL MOUSHOLE. UN LOCK SPEED HEAD, SPLIT SPACER SPOOL & STACK, PICK STACK UP UP SET BACK ON STUMP, INSTALL TUBING HEAD & TORQUE DOWN	
						RIG RELEASE TO THE PETERBURG STATE 432H @ 00:00 HRS.	

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)	
21,717.00	89.43	331.22	11,346.83	9,076.89	8,771.66	-2,334.50	0.00	0.00	