



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 1.0, DFS: 0.58

Report Start Date: 11/2/2023 06:00

Report End Date: 11/3/2023 06:00

Depth Progress: 2,018.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ft)KB 1,875.0		Total Depth (TVD) (ft)KB Original Hole - 1,874.9		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$3,003,400	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 3,003,400.00	Total Final Invoice (Cost) \$34,820

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 1,875.0	Start Depth (TVD) (ftKB) 1,874.9	Problem Time Hours (hr) 0.50	Percent Problem Time (%) 2.08	Daily Mud Field Est (Cost) \$3,460	Daily Field Est Total (Cost) \$385,205
End Depth (ftKB) 3,893.0	End Depth (TVD) (ftKB) 3,847.3	Cum Problem Time Days (days) 0.021	Cum Percent Problem Time (%) 2.08	Cum Mud Field Est (Cost) \$3,460	Cum Field Est To Date (Cost) \$385,205
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 65.0	Road Condition Muddy
24 Hr Summary Skid rig, Nipple up & test BOPs. install wear bushing & P/U directional tools. TIH T/1825' Drill cement & flt equip T/1875. Drill F/1875' T/1901'. R/U wireline & run Gyro. Slide F/1901' T/1935'. POH w/wireline & layout tool. Circ work on mps 2&3. Drill F/1935' T/2185'. Circ btms up. R/D wireline sheave.Drilled from 2185' to 3893' (2018' drilled in 10 hrs @ avg ROP of 201.8 fph). Rotate 1816' in 6 hrs @ 302.7 fph. Slide 202' in 4 hrs @ 50.5 fph. Last survey @3724' Inc. 14.31, Azm 266.81, Below 2.9' Left 10.8'					
AM Ops Drilling 11" Intermediate@3893'			Ops Forecast Drill 11" Intermediate Plan #2		

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
882.00				882.00											

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)	
11/2/2023 20:00	Water based	Active		1,935.0		10.20		28		1.0		2.000			
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
1.000	1.000	1.000						7.5		12.0					
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	
88.0						3,200.000				155,000.000		1			

-- INTERVAL PROBLEMS (NPT) --								
Problem Type Rig Repair - Mud Pumps	Problem Subtype Code 8	Dur (Net) (hr) 0.50	Start Date 11/2/2023 20:00	End Date 11/2/2023 20:30	Start Depth (... 1,935.0	End Depth (f... 1,935.0	Description 2 mud pump down	Ref # 1

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com						Prob Ref #
Flat Surf	BOP/WH/ Drillout	06:00	07:00	1.00	1.00	Rig Move	1,875.0	1,875.0	Skid rig T/Cheesman 5E 1HC						
Flat Surf	BOP/WH/ Drillout	07:00	08:00	1.00	2.00	BOP	1,875.0	1,875.0	Nipple up BOP, chokeline, flowline						
Flat Surf	BOP/WH/ Drillout	08:00	11:00	3.00	5.00	BOP	1,875.0	1,875.0	Test BOP						
Flat Surf	BOP/WH/ Drillout	11:00	11:30	0.50	5.50	Wellhead	1,875.0	1,875.0	Install wear bushing						
Flat Surf	BOP/WH/ Drillout	11:30	13:00	1.50	7.00	Handle Tools	1,875.0	1,875.0	P/U directional tools						
Flat Surf	BOP/WH/ Drillout	13:00	14:00	1.00	8.00	Trip	1,875.0	1,875.0	TIH F/BHA T/1825'						
Flat Surf	BOP/WH/ Drillout	14:00	15:00	1.00	9.00	Other	1,875.0	1,875.0	Slip & cut drill line						
Flat Surf	BOP/WH/ Drillout	15:00	15:30	0.50	9.50	Rig Service	1,875.0	1,875.0	Rig Service						
Flat Surf	BOP/WH/ Drillout	15:30	16:00	0.50	10.00	Drill - Other	1,875.0	1,875.0	Drill cement & shoe track F/1825' T/1875'						
Drlg Int 1	Drill	16:00	16:30	0.50	10.50	Drill - Rotate	1,875.0	1,901.0	Rotate from 1875' to 1901' (26' drilled @ 52 fph). WOB = 25 klbs, Q = 500 gpm, SPP = 1350 psi, Diff = 350 psi, RPM = 50, Torque = 8 kft-lbs, MM RPM = 90, Total bit RPM = 140.						
Drlg Int 1	Drill	16:30	18:30	2.00	12.50	Log	1,901.0	1,901.0	R/U & run Gyro.						
Drlg Int 1	Drill	18:30	19:00	0.50	13.00	Drill - Slide	1,901.0	1,935.0	Slide from 1901' to 1935' (34' drilled @ 68 fph). WOB = 25 klbs, Q = 600 gpm, SPP = 1600 psi, Diff = 100 psi, MM RPM = 108, TFO = 260M.						
Drlg Int 1	Drill	19:00	20:00	1.00	14.00	Log	1,935.0	1,935.0	POH w/wireline & layout tool.						
Drlg Int 1	Drill	20:00	20:30	0.50	14.50	Rig Repair	1,935.0	1,935.0	Circ while working on #2 & #3 mps.						1
Drlg Int 1	Drill	20:30	21:00	0.50	15.00	Drill - Rotate	1,935.0	1,996.0	Rotate from 1935' to 1996' (61' drilled @ 122 fph). WOB = 45 klbs, Q = 740 gpm, SPP = 2050 psi, Diff = 800 psi, RPM = 60, Torque = 17 kft-lbs, MM RPM = 133, Total bit RPM = 193.						
Drlg Int 1	Drill	21:00	21:30	0.50	15.50	Drill - Slide	1,996.0	2,021.0	Slide from 1996' to 2021' (25' drilled @ 50 fph). WOB = 25 klbs, Q = 740 gpm, SPP = 2050 psi, Diff = 350 psi, MM RPM = 133, TFO = 260M.						
Drlg Int 1	Drill	21:30	22:00	0.50	16.00	Drill - Rotate	2,021.0	2,185.0	Rotate from 2021' to 2185' (164' drilled @ 328 fph). WOB = 50 klbs, Q = 740 gpm, SPP = 2500 psi, Diff = 800 psi, RPM = 60, Torque = 17 kft-lbs, MM RPM = 133, Total bit RPM = 193.						
Drlg Int 1	Drill	22:00	22:30	0.50	16.50	Other	2,185.0	2,185.0	R/D wireline sheave						
Drlg Int 1	Drill	22:30	23:00	0.50	17.00	Drill - Rotate	2,185.0	2,280.0	Rotate from 2185' to 2280' (95' drilled @ 190 fph). WOB = 50 klbs, Q = 900 gpm, SPP = 3600 psi, Diff = 1300 psi, RPM = 80, Torque = 22 kft-lbs, MM RPM = 162, Total bit RPM = 242.						
Drlg Int 1	Drill	23:00	23:30	0.50	17.50	Drill - Slide	2,280.0	2,304.0	Slide from 2280' to 2304' (24' drilled @ 48 fph). WOB = 15 klbs, Q = 900 gpm, SPP = 2650 psi, Diff = 350 psi, MM RPM = 162, TFO = 250M.						
Drlg Int 1	Drill	23:30	00:00	0.50	18.00	Drill - Rotate	2,304.0	2,470.0	Rotate from 2304' to 2470' (166' drilled @ 332 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 2300 psi, Diff = 1000 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.						
Drlg Int 1	Drill	00:00	00:30	0.50	18.50	Drill - Slide	2,470.0	2,494.0	Slide from 2470' to 2494' (24' drilled @ 48 fph). WOB = 15 klbs, Q = 900 gpm, SPP = 2800 psi, Diff = 400 psi, MM RPM = 162, TFO = 260M.						



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Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,875.0		Total Depth (TVD) (ftKB) Original Hole - 1,874.9		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- TIMELOG --

Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com			Prob Ref #
Drlg Int 1	Drill	00:30	01:00	0.50	19.00	Drill - Rotat e	2,494.0	2,659.0	Rotate from 2494' to 2659' (165' drilled @ 330 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3500 psi, Diff = 1200 psi, RPM = 80, Torque = 22 kft-lbs, MM RPM = 162, Total bit RPM = 242.			
Drlg Int 1	Drill	01:00	01:30	0.50	19.50	Drill - Slide	2,659.0	2,678.0	Slide from 2659' to 2678' (19' drilled @ 38 fph). WOB = 15 klbs, Q = 900 gpm, SPP = 2800 psi, Diff = 400 psi, MM RPM = 162, TFO = 250M.			
Drlg Int 1	Drill	01:30	02:00	0.50	20.00	Drill - Rotat e	2,678.0	3,039.0	Rotate from 2678' to 3039' (361' drilled @ 722 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 2500 psi, Diff = 800 psi, RPM = 60, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 222.			
Drlg Int 1	Drill	02:00	02:30	0.50	20.50	Drill - Slide	3,039.0	3,067.0	Slide from 3039' to 3067' (28' drilled @ 56 fph). WOB = 22 klbs, Q = 900 gpm, SPP = 2650 psi, Diff = 250 psi, MM RPM = 162, TFO = 260M.			
Drlg Int 1	Drill	02:30	03:00	0.50	21.00	Drill - Rotat e	3,067.0	3,233.0	Rotate from 3067' to 3233' (166' drilled @ 332 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3650 psi, Diff = 1350 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.			
Drlg Int 1	Drill	03:00	03:30	0.50	21.50	Drill - Slide	3,233.0	3,254.0	Slide from 3233' to 3254' (21' drilled @ 42 fph). WOB = 14 klbs, Q = 900 gpm, SPP = 2660 psi, Diff = 250 psi, MM RPM = 162, TFO = 265M.			
Drlg Int 1	Drill	03:30	04:30	1.00	22.50	Drill - Rotat e	3,254.0	3,620.0	Rotate from 3254' to 3620' (366' drilled @ 366 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3500 psi, Diff = 900 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.			
Drlg Int 1	Drill	04:30	05:00	0.50	23.00	Drill - Slide	3,620.0	3,647.0	Slide from 3620' to 3647' (27' drilled @ 54 fph). WOB = 32 klbs, Q = 900 gpm, SPP = 2800 psi, Diff = 200 psi, MM RPM = 162, TFO = 310M.			
Drlg Int 1	Drill	05:00	06:00	1.00	24.00	Drill - Rotat e	3,647.0	3,893.0	Rotate from 3647' to 3893' (246' drilled @ 246 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3500 psi, Diff = 900 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.			

-- DRILL BITS -- (BHA #1 SUMMARY) Intermediate

Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
1	PDC	11	Ultrerra	WAV616	67346	1.3500 0000	1,875.0	3,893.0	2,018.0	10.00	201.8	-----

-- BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
96	Drill Pipe	S135	5 1/2	4.276	3,035.02	3,893.03	21.90	66,466.9	Delta 544	Drill Pipe	4 1/2 Delta 544 x 4 1/2 Delta 544		
9	HWDP		5 1/2	3.25	287.81	858.01	49.30	14,189.0	Delta 544	Drill pipe - heavyweight	4 1/2 Delta 544 x 4 1/2 Delta 544		
1	XO Sub		7	2.688	3.91	570.20	49.00	191.6	Delta 544	XO	4 1/2 Delta 544 x 4 1/2 IF		
6	Drill Collar		6 3/4	3.0	174.54	566.29	108.19	18,883.5	IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 3/4	2.875	4.04	391.75	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	3.0	268.49	387.71	146.49	39,331.1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.938	4.40	119.22	146.49	644.6	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	UBHO		8	3.75	2.55	114.82	146.49	373.5	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.05	3.75	29.21	112.27	146.49	4,279.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.1	3.75	30.33	83.06	146.49	4,443.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.75	2.30	52.73	146.49	336.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		10 1/2	2.813	7.69	50.43	146.49	1,126.5	Reg	Stabilizer	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.24	42.74	146.49	6,041.2	Reg	Motor 2 w/ 10-1/2" stabilizer	6 5/8 Reg x 6 5/8 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	
Gamma		60.90		Gordon Technologies	
Directional		73.00		Gordon Technologies	

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed		Lower Deflection Amount 1.5		Rotor Nozzle Diameter (in) 2.000	
Actuation Type		Max Gauge (in)		Min Gauge (in)	

-- KICKS --

Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes

-- MUD ADDITIVES --

Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
24 Hour Service	11/2/2023	0.0			1.0	1.0	0.0	0.0
24 Hour Service	11/2/2023	1.0	1.0		1.0	1.0	0.0	0.0
3% Discount	11/2/2023	0.0			0.0	0.0	0.0	0.0
Aluminum Stearate	11/2/2023	31.0			31.0	0.0	0.0	31.0
Barite (Bulk)	11/2/2023	35.0			35.0	0.0	0.0	35.0
Barite (Sack)	11/2/2023	160.0			160.0	0.0	0.0	160.0
Bentonite (Bulk)	11/2/2023	1.09			1.09	0.0	0.0	1.09
Blower Rental	11/2/2023	0.0			2.0	2.0	0.0	0.0

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Report Printed: 11/3/2023



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Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
Blower Rental	11/2/2023	2.0	2.0		2.0	2.0	0.0	0.0
Bulk Tank Rental	11/2/2023	0.0			4.0	4.0	0.0	0.0
Bulk Tank Rental	11/2/2023	4.0	4.0		4.0	4.0	0.0	0.0
Calcium Carbonate	11/2/2023	60.0			60.0	0.0	0.0	60.0
Cedar Fiber	11/2/2023	335.0			335.0	0.0	0.0	335.0
Cottonseed Hulls	11/2/2023	590.0			590.0	0.0	0.0	590.0
Desco	11/2/2023	4.0			4.0	0.0	0.0	4.0
Free Pipe	11/2/2023	16.0			16.0	0.0	0.0	16.0
Freight	11/2/2023	0.0			0.0	0.0	0.0	0.0
GenLube 2.0	11/2/2023	1,590.0			1,590.0	0.0	0.0	1,590.0
GenSeal M	11/2/2023	106.0			106.0	0.0	0.0	106.0
GenShield	11/2/2023	330.0			330.0	0.0	0.0	330.0
GenWet	11/2/2023	165.0			165.0	0.0	0.0	165.0
MEA	11/2/2023	25.0			25.0	0.0	0.0	25.0
MF-55	11/2/2023	29.0			29.0	0.0	0.0	29.0
Myacide GA 25	11/2/2023	28.0			28.0	0.0	0.0	28.0
Pac LV	11/2/2023	87.0			87.0	0.0	0.0	87.0
Pallets	11/2/2023	0.0			0.0	0.0	0.0	0.0
Poly Gen	11/2/2023	131.0			131.0	0.0	0.0	131.0
Poly Tech	11/2/2023	46.0			46.0	0.0	0.0	46.0
Poly Vis II	11/2/2023	28.0			28.0	0.0	0.0	28.0
RadiaGreen	11/2/2023	1,100.0			1,100.0	0.0	0.0	1,100.0
Retention Bonus (Chris)	11/2/2023	0.0			0.0	0.0	0.0	0.0
Retention Bonus (Will)	11/2/2023	0.0			1.0	1.0	0.0	0.0
Retention Bonus (Will)	11/2/2023	1.0	1.0		1.0	1.0	0.0	0.0
Shrink Wrap	11/2/2023	0.0			0.0	0.0	0.0	0.0
Soda Ash	11/2/2023	145.0			145.0	0.0	0.0	145.0
Sodium Sulfite	11/2/2023	115.0			115.0	10.0	0.0	105.0
Sodium Sulfite	11/2/2023		10.0		115.0	10.0	0.0	105.0
Soltex	11/2/2023	17.0			17.0	0.0	0.0	17.0
Tote Disposal	11/2/2023	0.0			0.0	0.0	0.0	0.0
Xanthan 25#	11/2/2023	160.0			160.0	0.0	0.0	160.0
Zinc Oxide	11/2/2023	12.0			12.0	0.0	0.0	12.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)									
Fluid Type		Fluid Sub Type			Source		Vol to Lease (bbl)	Vol from Lease (bbl)	Dest

-- JOB SUPPLIES -- (Fuel)												
Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz
11/3/2023	Fuel		Diesel Fuel - Other	1,201.0			1,201.0	0.0	0.0	1,201.0	gal US	
11/3/2023	Fuel		Diesel	6,943.0			6,943.0	0.0	0.0	6,943.0	gal US	
11/3/2023	Fuel		Diesel	7,200.0	2,687.0		14,143.0	2,687.0	0.0	11,456.0	gal US	

-- LOST CIRCULATION --							
Start Date	End Date	Ops In Prog	Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com

-- SURVEY DATA --									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
3,440.00	15.03	258.94	3,408.43	285.71	-46.16	-281.97	0.37	-0.37	-0.07
3,535.00	14.21	257.70	3,500.36	309.65	-51.01	-305.46	0.92	-0.86	-1.31
3,630.00	14.30	262.90	3,592.44	333.01	-54.94	-328.49	1.35	0.09	5.47
3,724.00	14.31	266.81	3,683.52	356.19	-57.03	-351.61	1.03	0.01	4.16
3,893.00	14.31	266.81	3,847.28	397.77	-59.35	-393.32	0.00	0.00	0.00

-- FORMATION TOPS --									
Wellbore Name			CWS Borehole ID		Formation Name			Drill Top MD (ftKB)	Drill Top (TVD) (ftKB)

-- WELLBORE SECTIONS --									
Section Des			Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date		Section TD Date	
Production			7 7/8						
Conductor			30	30.0	70.0				
Surface			16	70.0	1,875.0				
Intermediate			11	1,875.0		11/2/2023			

-- LAST CASING RUN --									
Csg Des		Run Date		Set Depth (ftKB)		OD (in)	Wt/Len (lb/ft)	Grade	Top Thread

-- LOT & FIT TEST --								
Test Type	Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens Fl...	Vol Pum...	Comment

-- SHAKER SCREENS --									
Deck Number	Screen Number	Screen Size X		Start Date			End Date		Drilling Time (hr)

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --									
Type		Make			Serial Number		P Range (psi)	Nominal ID (in)	Body Type
Annular-nonrotating		NOV			20007764-1715		5,000.0	13 5/8	SXX



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 1.0, DFS: 0.58
Report Start Date: 11/2/2023 06:00
Report End Date: 11/3/2023 06:00
Depth Progress: 2,018.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,875.0		Total Depth (TVD) (ftKB) Original Hole - 1,874.9		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- BOP COMPONENTS --						
Type Double	Make Cameron	Serial Number 113074712-01	P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Mud Cross	Make Cameron	Serial Number J2142-10	P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Pipe ram-var. bore	Make Cameron	Serial Number 113075179-01	P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Spool	Make Cameron	Serial Number	P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/2/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.
11/2/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	11/2/2023 06:00		5 1/2	6,300.0	0.077
2	11/2/2023 06:00		5 1/2	6,300.0	0.077
3	11/2/2023 06:00			6,300.0	0.077

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0

-- REMARKS --	
Remarks Well Control: *Last BOP Drill: 10/2/23 *Last Trip Drill: 10/2/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: *Intermediate Casing Tested to 1500 psi on: *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test: Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/01/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:	



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 2.0, DFS: 1.58

Report Start Date: 11/3/2023 06:00

Report End Date: 11/4/2023 06:00

Depth Progress: 3,414.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ft)KB 1,875.0		Total Depth (TVD) (ft)KB Original Hole - 1,874.9		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750,000			Max Torque (ft*lb) 55,000		
AFE Number 23216260D			Job AFE Amt (Cost) \$3,003,400			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,003,400.00			Total Final Invoice (Cost) \$65,080		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 3,893.0	Start Depth (TVD) (ftKB) 3,847.6	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$1,523	Daily Field Est Total (Cost) \$86,700
End Depth (ftKB) 7,307.0	End Depth (TVD) (ftKB) 7,174.4	Cum Problem Time Days (days) 0.021	Cum Percent Problem Time (%) 1.04	Cum Mud Field Est (Cost) \$4,983	Cum Field Est To Date (Cost) \$471,905
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 72.0	Road Condition Muddy
24 Hr Summary Drilled from 3893' to 7307' (3414' drilled in 24 hrs @ avg ROP of 142.3 fph). Rotate 3054' in 14 hrs @ 218.1 fph. Slide 360' in 10 hrs @ 36 fph. Last survey @7139' Inc. 2.71, Azm 247.83, Above 3.4', Right 5.7'.					
AM Ops Drilling 11" Intermediate @7307'			Ops Forecast Drill 11" Intermediate Plan #2. TOOH & run 8-5/8" csg		

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
883.00			883.00											

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
11/3/2023 20:00	Water based	Active	5,906.0	10.15	28	2.0	2.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	1.000	1.000			7.5	12.0	4.9	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
88.0				2,880.000		144,000.000	1	0.0

-- INTERVAL PROBLEMS (NPT) --								
Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...)	End Depth (f...)	Description	Ref #

-- TIMELOG --														
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com					Prob Ref #
Drlg Int 1	Drill	06:00	06:30	0.50	0.50	Drill - Rotate	3,893.0	3,910.0	Rotate from 3893' to 3910' (17' drilled @ 34 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3500 psi, Diff = 900 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	06:30	07:00	0.50	1.00	Drill - Slide	3,910.0	3,940.0	Slide from 3910' to 3940' (30' drilled @ 60 fph). WOB = 35 klbs, Q = 900 gpm, SPP = 2800 psi, Diff = 400 psi, MM RPM = 162, TFO = 265M.					
Drlg Int 1	Drill	07:00	08:00	1.00	2.00	Drill - Rotate	3,940.0	4,375.0	Rotate from 3940' to 4375' (435' drilled @ 435 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3700 psi, Diff = 1200 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	08:00	09:00	1.00	3.00	Drill - Slide	4,375.0	4,410.0	Slide from 4375' to 4410' (35' drilled @ 35 fph). WOB = 38 klbs, Q = 900 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 162, TFO = 265M.					
Drlg Int 1	Drill	09:00	10:00	1.00	4.00	Drill - Rotate	4,410.0	4,660.0	Rotate from 4410' to 4660' (250' drilled @ 250 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3760 psi, Diff = 1200 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	10:00	10:30	0.50	4.50	Drill - Slide	4,660.0	4,695.0	Slide from 4660' to 4695' (35' drilled @ 70 fph). WOB = 38 klbs, Q = 900 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 162, TFO = 265M.					
Drlg Int 1	Drill	10:30	11:30	1.00	5.50	Drill - Rotate	4,695.0	4,850.0	Rotate from 4695' to 4850' (155' drilled @ 155 fph). WOB = 55 klbs, Q = 800 gpm, SPP = 3250 psi, Diff = 1200 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 144, Total bit RPM = 224.					
Drlg Int 1	Drill	11:30	12:30	1.00	6.50	Drill - Slide	4,850.0	4,880.0	Slide from 4850' to 4880' (30' drilled @ 30 fph). WOB = 38 klbs, Q = 800 gpm, SPP = 2450 psi, Diff = 350 psi, MM RPM = 144, TFO = 265M.					
Drlg Int 1	Drill	12:30	13:30	1.00	7.50	Drill - Rotate	4,880.0	5,040.0	Rotate from 4880' to 5040' (160' drilled @ 160 fph). WOB = 55 klbs, Q = 800 gpm, SPP = 3250 psi, Diff = 1200 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 144, Total bit RPM = 224.					
Drlg Int 1	Drill	13:30	14:00	0.50	8.00	Drill - Slide	5,040.0	5,070.0	Slide from 5040' to 5070' (30' drilled @ 60 fph). WOB = 35 klbs, Q = 900 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 162, TFO = 265M.					
Drlg Int 1	Drill	14:00	15:00	1.00	9.00	Drill - Rotate	5,070.0	5,230.0	Rotate from 5070' to 5230' (160' drilled @ 160 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3650 psi, Diff = 1000 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	15:00	16:30	1.50	10.50	Drill - Slide	5,230.0	5,275.0	Slide from 5230' to 5275' (45' drilled @ 30 fph). WOB = 40 klbs, Q = 900 gpm, SPP = 3060 psi, Diff = 400 psi, MM RPM = 162, TFO = 265M.					
Drlg Int 1	Drill	16:30	18:30	2.00	12.50	Drill - Rotate	5,275.0	5,705.0	Rotate from 5275' to 5705' (430' drilled @ 215 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3650 psi, Diff = 1000 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	18:30	19:30	1.00	13.50	Drill - Slide	5,705.0	5,740.0	Slide from 5705' to 5740' (35' drilled @ 35 fph). WOB = 30 klbs, Q = 900 gpm, SPP = 2850 psi, Diff = 250 psi, MM RPM = 162, TFO = 100M.					
Drlg Int 1	Drill	19:30	20:30	1.00	14.50	Drill - Rotate	5,740.0	5,895.0	Rotate from 5740' to 5895' (155' drilled @ 155 fph). WOB = 55 klbs, Q = 900 gpm, SPP = 3500 psi, Diff = 950 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	20:30	21:00	0.50	15.00	Drill - Slide	5,895.0	5,915.0	Slide from 5895' to 5915' (20' drilled @ 40 fph). WOB = 44 klbs, Q = 900 gpm, SPP = 2850 psi, Diff = 200 psi, MM RPM = 162, TFO = 100M.					
Drlg Int 1	Drill	21:00	23:00	2.00	17.00	Drill - Rotate	5,915.0	6,452.0	Rotate from 5915' to 6452' (537' drilled @ 268.5 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3250 psi, Diff = 1050 psi, RPM = 60, Torque = 24 kft-lbs, MM RPM = 144, Total bit RPM = 204.					
Drlg Int 1	Drill	23:00	23:30	0.50	17.50	Drill - Slide	6,452.0	6,466.0	Slide from 6452' to 6466' (14' drilled @ 28 fph). WOB = 44 klbs, Q = 800 gpm, SPP = 2350 psi, Diff = 150 psi, MM RPM = 144, TFO = 300M.					
Drlg Int 1	Drill	23:30	01:30	2.00	19.50	Drill - Rotate	6,466.0	6,850.0	Rotate from 6466' to 6850' (384' drilled @ 192 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3250 psi, Diff = 1050 psi, RPM = 60, Torque = 25 kft-lbs, MM RPM = 144, Total bit RPM = 204.					



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 2.0, DFS: 1.58
Report Start Date: 11/3/2023 06:00
Report End Date: 11/4/2023 06:00
Depth Progress: 3,414.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 1,875.0		Total Depth (TVD) (ftKB) Original Hole - 1,874.9			Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- TIMELOG --													
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com				Prob Ref #
Drlg Int 1	Drill	01:30	02:00	0.50	20.00	Drill - Slide	6,850.0	6,876.0	Slide from 6850' to 6876' (26' drilled @ 52 fph). WOB = 44 klbs, Q = 800 gpm, SPP = 2350 psi, Diff = 100 psi, MM RPM = 144, TFO = 90M.				
Drlg Int 1	Drill	02:00	02:30	0.50	20.50	Drill - Rotate	6,876.0	7,022.0	Rotate from 6876' to 7022' (146' drilled @ 292 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3400 psi, Diff = 1200 psi, RPM = 60, Torque = 26 kft-lbs, MM RPM = 144, Total bit RPM = 204.				
Drlg Int 1	Drill	02:30	04:00	1.50	22.00	Drill - Slide	7,022.0	7,062.0	Slide from 7022' to 7062' (40' drilled @ 26.7 fph). WOB = 38 klbs, Q = 750 gpm, SPP = 2200 psi, Diff = 150 psi, MM RPM = 135, TFO = 80M.				
Drlg Int 1	Drill	04:00	04:30	0.50	22.50	Drill - Rotate	7,062.0	7,220.0	Rotate from 7062' to 7220' (158' drilled @ 316 fph). WOB = 54 klbs, Q = 750 gpm, SPP = 3200 psi, Diff = 1200 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 135, Total bit RPM = 205.				
Drlg Int 1	Drill	04:30	05:30	1.00	23.50	Drill - Slide	7,220.0	7,240.0	Slide from 7220' to 7240' (20' drilled @ 20 fph). WOB = 52 klbs, Q = 750 gpm, SPP = 2200 psi, Diff = 150 psi, MM RPM = 135, TFO = 60M.				
Drlg Int 1	Drill	05:30	06:00	0.50	24.00	Drill - Rotate	7,240.0	7,307.0	Rotate from 7240' to 7307' (67" drilled @ 134 fph). WOB = 54 klbs, Q = 750 gpm, SPP = 3200 psi, Diff = 1200 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 135, Total bit RPM = 205.				

-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate												
Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
2	PDC	11	Ulterra	WAV616	67346	1.3500 0000	1,875.0	7,307.0	5,432.0	34.00	159.8	-----

BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
204	Drill Pipe	S135	5 1/2	4.276	6,449.72	7,307.73	21.90	141,248.9	Delta 544	Drill Pipe	4 1/2 Delta 544 x 4 1/2 Delta 544		
9	HWDP		5 1/2	3.25	287.81	858.01	49.30	14,189.0	Delta 544	Drill pipe - heavyweight	4 1/2 Delta 544 x 4 1/2 Delta 544		
1	XO Sub		7	2.688	3.91	570.20	49.00	191.6	Delta 544	XO	4 1/2 Delta 544 x 4 1/2 IF		
6	Drill Collar		6 3/4	3.0	174.54	566.29	108.19	18,883.5	IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 3/4	2.875	4.04	391.75	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	3.0	268.49	387.71	146.49	39,331.1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.938	4.40	119.22	146.49	644.6	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	UBHO		8	3.75	2.55	114.82	146.49	373.5	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.05	3.75	29.21	112.27	146.49	4,279.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.1	3.75	30.33	83.06	146.49	4,443.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.75	2.30	52.73	146.49	336.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		10 1/2	2.813	7.69	50.43	146.49	1,126.5	Reg	Stabilizer	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.24	42.74	146.49	6,041.2	Reg	Motor 2 w/ 10-1/2" stabilizer	6 5/8 Reg x 6 5/8 Reg		

-- DOWNHOLE SENSORS --													
Sensor Type					Sensor-Bit (ft)					Note			
Gamma					60.90					Gordon Technologies			
Directional					73.00					Gordon Technologies			

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --													
Lower Deflection Type Fixed					Lower Deflection Amount 1.5					Rotor Nozzle Diameter (in) 2.000			
Actuation Type					Max Gauge (in)					Min Gauge (in)			

-- KICKS --													
Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes					

-- MUD ADDITIVES --													
Des			Date		Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc		
24 Hour Service			11/3/2023		1.0	1.0		2.0	2.0	0.0	0.0		
Blower Rental			11/3/2023		2.0	2.0		4.0	4.0	0.0	0.0		
Retention Bonus (Will)			11/3/2023		1.0	1.0		2.0	2.0	0.0	0.0		
Sodium Sulfite			11/3/2023			5.0		115.0	15.0	0.0	100.0		

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)													
Fluid Type	Fluid Sub Type			Source			Vol to Lease (bbl)	Vol from Lease (bbl)	Dest				

-- JOB SUPPLIES -- (Fuel)													
Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz	
11/4/2023	Fuel		Diesel		2,960.0		14,143.0	5,647.0	0.0	8,496.0	gal US		

-- LOST CIRCULATION --													
Start Date	End Date	Ops In Prog			Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com				



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 2.0, DFS: 1.58
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Depth Progress: 3,414.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,875.0		Total Depth (TVD) (ftKB) Original Hole - 1,874.9		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- SURVEY DATA --										
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
6,854.00	7.14	264.83	6,722.68	1,089.62	-105.38	-1,084.52	1.79	-1.68	-4.35	
6,949.00	6.14	260.91	6,817.04	1,100.60	-106.72	-1,095.42	1.16	-1.05	-4.13	
7,044.00	3.58	259.08	6,911.69	1,108.62	-108.08	-1,103.35	2.70	-2.69	-1.93	
7,139.00	2.71	247.83	7,006.55	1,113.73	-109.49	-1,108.34	1.12	-0.92	-11.84	
7,307.00	2.71	247.83	7,174.36	1,121.35	-112.49	-1,115.69	0.00	0.00	0.00	

-- FORMATION TOPS --				
Wellbore Name		CWS Borehole ID		Formation Name

-- WELLBORE SECTIONS --					
Section Des		Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date
Production		7 7/8			
Conductor		30	30.0	70.0	
Surface		16	70.0	1,875.0	
Intermediate		11	1,875.0		11/2/2023

-- LAST CASING RUN --						
Csg Des		Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade

-- LOT & FIT TEST --							
Test Type	Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens Fl...	Vol Pum...

-- SHAKER SCREENS --					
Deck Number	Screen Number	Screen Size X	Start Date	End Date	Drilling Time (hr)

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --					
Type Annular-nonrotating	Make NOV	Serial Number 20007764-1715		P Range (psi) 5,000.0	Nominal ID (in) 13 5/8
Type Double	Make Cameron	Serial Number 113074712-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Mud Cross	Make Cameron	Serial Number J2142-10		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Pipe ram-var. bore	Make Cameron	Serial Number 113075179-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Spool	Make Cameron	Serial Number		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/3/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.
11/3/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --						
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)	
1	11/2/2023 06:00		5 1/2	6,300.0	0.077	
2	11/2/2023 06:00		5 1/2	6,300.0	0.077	
3	11/2/2023 06:00			6,300.0	0.077	

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 2.0, DFS: 1.58

Report Start Date: 11/3/2023 06:00

Report End Date: 11/4/2023 06:00

Depth Progress: 3,414.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 1,875.0	Total Depth (TVD) (ftKB) Original Hole - 1,874.9			Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date		

-- REMARKS --

Remarks

Well Control:
*Last BOP Drill: 10/2/23
*Last Trip Drill: 10/2/23
*Annular Element: 10/14/23
*Surface Casing Tested to 1,500 psi on:
*Intermediate Casing Tested to 1500 psi on:
*Last BOP Test: 11/2/23
*Next BOP Test: 11/23/23
*Drops inspection 10/22/23
*BOP Mini Test:

Tubulars:
*731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools)
*12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools)
*9 jts 6-3/4" DC's on location-rental (Knight Oil Tools)
*9 jts 8" DC's (H&P)
*Last BHA Inspection: 10/01/23
*Last 5" Delta 544 DP inspection: 9/01/23
*Saver sub changed: 9/7/23 - Delta 544

Rig Contractor: H&P 553
Labor: Days 6 Hands - Nights 5 Hands
Equipment Issues:



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 3.0, DFS: 2.58

Report Start Date: 11/4/2023 06:00

Report End Date: 11/5/2023 06:00

Depth Progress: 213.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$3,003,400	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 3,003,400.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 7,307.0	Start Depth (TVD) (ftKB) 7,174.5	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$2,525	Daily Field Est Total (Cost) \$617,200
End Depth (ftKB) 7,520.0	End Depth (TVD) (ftKB) 7,387.5	Cum Problem Time Days (days) 0.021	Cum Percent Problem Time (%) 0.69	Cum Mud Field Est (Cost) \$7,508	Cum Field Est To Date (Cost) \$1,089,105
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 81.0	Road Condition Muddy
24 Hr Summary Drilled from 7307' to 7520' (213' drilled in 2 hrs @ avg ROP of 106.5 fph). Rotate 213' in 2 hrs @ 106.5 fph. Last survey @7447', Inc. .95, Azm 296.41, Above 2.7', Left 0.3'. Circ sweep around, TOOH F/7520' & L/D directional tools. Pull wear bushing, PJSM & R/U csg equip. Run 8-5/8" 32# J-55 T/7500' & land on hanger. R/U cementers, PJSM cement 1st stage. Bumped plug on calculated @ 4 bpm (1100 - 1,600 psi) Bled Back: 2.5 bbls Full Returns Set Packer w/2,800 psi (.25 bbl) - Open DV w/700 psi Circ. 30 bbls of cement out from 1st stage. *Intermediate 2nd Stage* Bumped plug on calculated @ 4 bpm (890 - 1,800 psi) Bled Back: 2.5 bbls Full returns during entire job & no cement to surface. R/D cementers, B/O landing jt, & set packoff.					
AM Ops B/O landing jt. Install 8 5/8" Pack-Off Assembly			Ops Forecast P/U directional & TIH ,drill out.		

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
884.00				884.00											

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)	
11/4/2023 20:00	Water based	Active		7,520.0		10.15		28		2.0		2.000			
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
1.000	1.000	1.000						7.5		12.0		4.9			
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	
88.0						2,880.000				144,000.000		1		0.0	

-- INTERVAL PROBLEMS (NPT) --															
Problem Type	Problem Subtype	Dur (Net) (hr)		Start Date		End Date		Start Depth (...)		End Depth (f...)		Description			Ref #

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com						Prob Ref #
Drlg Int 1	Drill	06:00	08:00	2.00	2.00	Drill - Rotat e	7,307.0	7,520.0	Rotate from 7307' to 7520' (213' drilled @ 106.5 fph). WOB = 54 klbs, Q = 750 gpm, SPP = 3200 psi, Diff = 1200 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 135, Total bit RPM = 205.						
Flat Int 1	Cond Trip	08:00	09:00	1.00	3.00	Circ & Cond Mud	7,520.0	7,520.0	Circ sweep around						
Flat Int 1	Cond Trip	09:00	13:00	4.00	7.00	Trip	7,520.0	7,520.0	TOOH F/7520' T/BHA						
Flat Int 1	Cond Trip	13:00	14:00	1.00	8.00	Handle Tools	7,520.0	7,520.0	L/D directional tools						
Flat Int 1	Cond Trip	14:00	14:30	0.50	8.50	Wellhead	7,520.0	7,520.0	Pull wear bushing						
Flat Int 1	Case & Cement	14:30	15:30	1.00	9.50	Run Casin g	7,520.0	7,520.0	PJSM, R/U csg equip. Verify CRT torque, elevator ID, nose cone.						
Flat Int 1	Case & Cement	15:30	23:00	7.50	17.00	Run Casin g	7,520.0	7,520.0	Run 8-5/8" 32.0# J-55 Butt. Csg T/ 7,500' & land on hanger w/180k. Replaced seals in hanger due to leaking.						
Flat Int 1	Case & Cement	23:00	00:00	1.00	18.00	Rig Down / Up	7,520.0	7,520.0	R/D Casing Equip. & R/U Cement Equip.						
Flat Int 1	Case & Cement	00:00	00:30	0.50	18.50	Circ & Cond Mud	7,520.0	7,520.0	Circ. Casing Capacity						
Flat Int 1	Case & Cement	00:30	02:00	1.50	20.00	Cmnt Casin g	7,520.0	7,520.0	PJSM w/ Schlumberger & Rig Crews *Intermediate 1st Stage* Test Lines T/ 4,000 psi Pump Water Spacer: 40 bbls (8.3 ppg) @ 8 bpm Pump Lead Cmnt: 119 bbls (11.5 ppg) @ 8 bpm Pump Tail Cmnt: 39 bbls (14.8 ppg) @ 6.0 bpm Drop Plug Pump Water Disp: 452 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (1100 - 1,600 psi) Bled Back: 2.5 bbls Full Returns Set Packer w/2,800 psi .25bbl						
Flat Int 1	Case & Cement	02:00	02:00	0.00	20.00	Other	7,520.0	7,520.0	Daylight savings time, move back 1 hr						
Flat Int 1	Case & Cement	02:00	05:00	3.00	23.00	Cmnt Casin g	7,520.0	7,520.0	Drop DV Activation Tool (30 mins) - Open DV w/700 psi Circ. 30 bbls of cement out from 1st stage. *Intermediate 2nd Stage* Pump Water Spacer: 40 bbls (8.3 ppg) @ 8 bpm Pump Lead Cmnt: 482 bbls (11.5 ppg) @ 8 bpm Pump Tail Cmnt: 29 bbls (14.8 ppg) @ 5 bpm Drop Plug Pump Water Disp: 335 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (890 - 1,800 psi) Bled Back: 2.5 bbls Full returns during entire job & no cement to surfac						
Flat Int 1	Case & Cement	05:00	05:30	0.50	23.50	Cmnt Casin g	7,520.0	7,520.0	R/D cementers and flush through all surface lines.						
Flat Int 1	BOP/WH/ Drillout	05:30	06:00	0.50	24.00	Wellhead	7,520.0	7,520.0	B/O landing jt. Install 8 5/8" Pack-Off Assembly & Load/Psi - Test Pack-Off - 5k.						

-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate															
Bit Run 2	Type PDC	Size (in) 11	Make Ulterra			Model WAV616		SN 67346	Bit TFA... 1.3500 0000	Depth In... 1,875.0	Depth O... 7,520.0	Drilled (ft) 5,645.0	Drill Tim... 36.00	Avg RO... 156.8	IADC Bit Dull Out 2-3-CT-N-X-0-WT-TD

-- BHA --															
Jts	Item Des		Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections		Gauge (in)	Drift (in)
211	Drill Pipe		S135	5 1/2	4.276	6,662.7 2	7,520.7 3	21.90	145,913 .6	Delta 544	Drill Pipe	4 1/2 Delta 544 x 4 1/2 Delta 544			



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 3.0, DFS: 2.58
Report Start Date: 11/4/2023 06:00
Report End Date: 11/5/2023 06:00
Depth Progress: 213.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --																
Type Annular-nonrotating		Make NOV				Serial Number 20007764-1715				P Range (psi) 5,000.0		Nominal ID (in) 13 5/8		Body Type SXX		
Type Double		Make Cameron				Serial Number 113074712-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type		
Type Mud Cross		Make Cameron				Serial Number J2142-10				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type		
Type Pipe ram-var. bore		Make Cameron				Serial Number 113075179-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type		
Type Spool		Make Cameron				Serial Number				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type		

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)																
Date		Type			Tour		Des			Com						
11/4/2023 06:00		Safety Meeting/JSA			Day		Pre-tour			Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.						
11/4/2023 17:45		Safety Meeting/JSA			Night		Pre-tour			Driving. Housekeeping. Wildlife. - Safety discussion: Tripping Operations; R/U Logging Equip.						

-- SAFETY INCIDENTS --																
Date					Type					IMS Plus Incident #						

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --																
Pump #		Start Date			End Date			Liner Size (in)			P Max (psi)			Vol/Stk OR (bbl/stk)		
1		11/2/2023 06:00						5 1/2			6,300.0			0.077		
2		11/2/2023 06:00						5 1/2			6,300.0			0.077		
3		11/2/2023 06:00									6,300.0			0.077		

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --																
Type		Make				Working Pressure (psi)			Max Pres (psi)			Size (in)		Start Date		

-- PERSONNEL LOG --																
Type								Company							Count	
Contractor								RWDY, Inc.							2	
Contractor								Helmerich & Payne International Drlg Co							12	
Contractor								Genesis Fluids, LLC							2	
Contractor								Altitude Energy Partners, LLC							2	
Contractor								Gordon Technologies, LLC							1	
Contractor								Sun Drilling Products Corporat (CA Use)							0	

-- REMARKS --																
Remarks Well Control: *Last BOP Drill: 11/3/23 *Last Trip Drill: 11/3/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: *Intermediate Casing Tested to 1500 psi on: *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test: Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/01/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:																



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 4.0, DFS: 3.58
Report Start Date: 11/5/2023 06:00
Report End Date: 11/6/2023 06:00
Depth Progress: 1,330.0

API/UWI 42003487980000	Well Type Oil	Asset Permian	Sub Asset 1 Martin/Andrews	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,520.0	Total Depth (TVD) (ftKB) Original Hole - 7,387.5	Latitude (decimal) (°) 32.38985880	Longitude (decimal) (°) -102.35268350	Spud Date 11/2/2023	Final Rig Release Date

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$3,003,400	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 3,003,400.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 7,520.0	Start Depth (TVD) (ftKB) 7,387.5	Problem Time Hours (hr) 2.50	Percent Problem Time (%) 10.42	Daily Mud Field Est (Cost) \$8,953	Daily Field Est Total (Cost) \$179,400
End Depth (ftKB) 8,850.0	End Depth (TVD) (ftKB) 8,699.5	Cum Problem Time Days (days) 0.125	Cum Percent Problem Time (%) 3.13	Cum Mud Field Est (Cost) \$16,460	Cum Field Est To Date (Cost) \$1,268,505
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 81.0	Road Condition Muddy
24 Hr Summary P/U Vertical BHA; Troubleshoot MP Suction Lines; TIH T/5,496'; Drlg. DV Tool; Test Int. Casing T/1,500 psi; TIH F/5,496' - 7,416'; Drlg. Float Equip. & Cement F/7,416' - 7,520'; Drilled from 7520' to 8571' (1051' drilled in 4 hrs @ avg ROP of 262.8 fph). Rotate 1026' in 3.5 hrs @ 293.1 fph. Slide 25' in 0.5 hrs @ 50 fph.Circulate 40bbl sweep around. TOO H & L/D lateral assembly P/U curve assembly. (Bit: 1-1-CT MM: No apparent damage).TIH F/BHA T/8571'. Drilled from 8571' to 8850' (279' drilled in 3.5 hrs @ avg ROP of 79.7 fph). Rotate 91' in 1 hrs @ 91 fph. Slide 188' in 2.5 hrs @ 75.2 fph. Last survey @8702' Inc. 24.52, Azm. 345.50, Above 29.1', Left 11.7'					
AM Ops Drilling 7-7/8" curve @8850'			Ops Forecast Drill 7-7/8" curve, TOO H P/U lateral assembly.		

-- RIG SAFETY PERFORMANCE --								
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)		WB Depth @ 6am (ftKB)
885.00			885.00					

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
11/5/2023 21:00	Water based	Active	8,571.0	9.20	30	4.0	4.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	2.000	2.000	18.4	1	8.8	6.0	4.3	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
94.0				800.000		35,000.000	2	0.0

-- INTERVAL PROBLEMS (NPT) --								
Problem Type Rig Repair - Mud Pumps	Problem Subtype Code 8	Dur (Net) (hr) 2.50	Start Date 11/5/2023 08:30	End Date 11/5/2023 11:00	Start Depth (... 7,520.0	End Depth (f... 7,520.0	Description Troubleshoot Mud Pump Suction Lines	Ref # 2

-- TIMELOG --												
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com			Prob Ref #
Flat Int 1	BOP/WH/ Drillout	06:00	06:30	0.50	0.50	Other	7,520.0	7,520.0	Install Wear Bushing			
Flat Int 1	BOP/WH/ Drillout	06:30	08:30	2.00	2.50	Handle Tools	7,520.0	7,520.0	P/U Vertical BHA - Reseat MWD Tool			
Flat Int 1	BOP/WH/ Drillout	08:30	11:00	2.50	5.00	Rig Repair	7,520.0	7,520.0	Troubleshoot Mud Pump Suction Lines			2
Flat Int 1	BOP/WH/ Drillout	11:00	12:30	1.50	6.50	Trip	7,520.0	7,520.0	TIH T/5,496'			
Flat Int 1	BOP/WH/ Drillout	12:30	13:00	0.50	7.00	Drill - Other	7,520.0	7,520.0	Drlg. DV Tool			
Flat Int 1	BOP/WH/ Drillout	13:00	13:30	0.50	7.50	Other	7,520.0	7,520.0	Test 8-5/8" Int. Casing T/1,500 psi for 30 mins			
Flat Int 1	BOP/WH/ Drillout	13:30	14:00	0.50	8.00	Trip	7,520.0	7,520.0	TIH F/5,496' - 7,416'			
Flat Int 1	BOP/WH/ Drillout	14:00	14:30	0.50	8.50	Drill - Other	7,520.0	7,520.0	Drlg. Float Equip. & Cement F/7,416' -7,520' Displace w/8.9ppg gen mud			
Drlg Prod	Drill	14:30	16:30	2.00	10.50	Drill - Rotate	7,520.0	8,075.0	Rotate from 7520' to 8075' (555' drilled @ 277.5 fph). WOB = 45 klbs, Q = 650 gpm, SPP = 3450 psi, Diff = 1200 psi, RPM = 80, Torque = 17 kft-lbs, MM RPM = 195, Total bit RPM = 275.			
Drlg Prod	Drill	16:30	17:00	0.50	11.00	Drill - Slide	8,075.0	8,100.0	Slide from 8075' to 8100' (25' drilled @ 50 fph). WOB = 45 klbs, Q = 650 gpm, SPP = 2675 psi, Diff = 425 psi, MM RPM = 195, TFO = 110M.			
Drlg Prod	Drill	17:00	18:30	1.50	12.50	Drill - Rotate	8,100.0	8,571.0	Rotate from 8100' to 8571' (471' drilled @ 314 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 1200 psi, RPM = 70, Torque = 20 kft-lbs, MM RPM = 180, Total bit RPM = 250.			
Drlg Prod	Cond Trip	18:30	19:30	1.00	13.50	Circ & Cond Mud	8,571.0	8,571.0	Circulate 40bbl sweep around			
Drlg Prod	Cond Trip	19:30	21:30	2.00	15.50	Trip	8,571.0	8,571.0	TOOH F/8571' T/BHA			
Drlg Prod	Cond Trip	21:30	23:00	1.50	17.00	Handle Tools	8,571.0	8,571.0	L/D lateral assembly P/U curve assembly. (Bit: 1-1-CT MM: No apparent damage)			
Drlg Prod	Cond Trip	23:00	02:30	3.50	20.50	Trip	8,571.0	8,571.0	TIH F/BHA T/8571'			
Drlg Prod	Drill Curve	02:30	04:30	2.00	22.50	Drill - Slide	8,571.0	8,724.0	Slide from 8571' to 8724' (153' drilled @ 76.5 fph). WOB = 45 klbs, Q = 530 gpm, SPP = 2300 psi, Diff = 350 psi, MM RPM = 148, TFO = HS.			
Drlg Prod	Drill Curve	04:30	05:30	1.00	23.50	Drill - Rotate	8,724.0	8,815.0	Rotate from 8724' to 8815' (91' drilled @ 91 fph). WOB = 40 klbs, Q = 550 gpm, SPP = 2700 psi, Diff = 650 psi, RPM = 30, Torque = 16 kft-lbs, MM RPM = 154, Total bit RPM = 184.			
Drlg Prod	Drill Curve	05:30	06:00	0.50	24.00	Drill - Slide	8,815.0	8,850.0	Slide from 8815' to 8850' (35' drilled @ 70 fph). WOB = 50 klbs, Q = 550 gpm, SPP = 2400 psi, Diff = 375 psi, MM RPM = 154, TFO = HS.			

-- DRILL BITS -- (BHA #4 SUMMARY) Curve												
Bit Run 4	Type PDC	Size (in) 7 7/8	Make Ulterra	Model CF611	SN 68907	Bit TFA... 1.1800 0000	Depth In... 8,571.0	Depth O... 8,850.0	Drilled (ft) 279.0	Drill Tim... 3.50	Avg RO... 79.7	IADC Bit Dull Out -----

-- BHA --													
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lb)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
186	Drill Pipe	S135	5 1/2	4.778	5,878.00	8,850.42	21.90	128,728.2	Delta 544	Drill pipe	Delta544 x Delta544		



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 4.0, DFS: 3.58

Report Start Date: 11/5/2023 06:00

Report End Date: 11/6/2023 06:00

Depth Progress: 1,330.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- BHA --														
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	
1	XO Sub		7	2.68	3.81	2,972.42			Delta 544	XO	Delta544 x 4 1/2 IF			
1	Agitator		6 3/4	2.75	21.80	2,968.61	101.00	2,201.8	IF	Agitator	4 1/2 IF x 4 1/2 IF			
1	XO Sub		7	2.68	4.02	2,946.81			IF	XO	4 1/2 IF x Delta544			
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,942.79	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.91	97.16			Delta 544	XO	Delta544 x 4 1/2 IF			
1	NMDC		6 1/2	3.25	29.94	93.25			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 1/2	3.25	30.42	63.31			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6.483	3.0	2.41	32.89			IF	Drill Collar	4 1/2 IF x 4 1/2 IF			
1	7/8:L 6.4:S @.28		6 3/4	2.0	29.48	30.48			IF	Motor 2	4 1/2 IF x 4 1/2 Reg			

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				
Gamma					41.05					Gordon Technologies				
Directional					51.32					Gordon Technologies				

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --														
Lower Deflection Type Fixed					Lower Deflection Amount 2.12					Rotor Nozzle Diameter (in) 2.000				

-- DRILL BITS -- (BHA #3 SUMMARY) Vertical														
Bit Run 3	Type PDC	Size (in) 7 7/8	Make Ultrerra		Model RPS616		SN 68688	Bit TFA... 1.03000000	Depth In... 7,520.0	Depth O... 8,571.0	Drilled (ft) 1,051.0	Drill Tim... 4.00	Avg RO... 262.7	IADC Bit Dull Out 1-1-CT-M-X-0-NO-BHA

-- BHA --														
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	
236	Drill Pipe	S135	5 1/2	4.778	7,420.37	7,520.00	21.90	162,506.1	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.91	99.63			Delta 544	XO	Delta544 x 4 1/2 IF			
1	NMDC		6 1/2	3.25	29.94	95.72			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 1/2	3.25	30.42	65.78			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6.483	3.0	2.41	35.36			IF	Drill Collar	4 1/2 IF x 4 1/2 IF			
1	6/7:L 8.4:S @.30		7	5.75	31.95	32.95			IF	Motor 2	4 1/2 IF x 4 1/2 Reg			

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				
Gamma					0.00					Gordon Technologies				
Directional					0.00					Gordon Technologies				

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --														
Lower Deflection Type Fixed					Lower Deflection Amount 1.25					Rotor Nozzle Diameter (in) 2.000				

-- KICKS --														
Kick Date		Kick Depth (ftKB)	Control Date		Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes				

-- MUD ADDITIVES --								
Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
24 Hour Service	11/5/2023	1.0	1.0		4.0	4.0	0.0	0.0
Barite (Bulk)	11/5/2023		5.0		35.0	10.0	0.0	25.0
Blower Rental	11/5/2023	2.0	2.0		8.0	8.0	0.0	0.0
MF-55	11/5/2023		3.0		29.0	3.0	0.0	26.0
Pac LV	11/5/2023		8.0		87.0	8.0	0.0	79.0
Poly Gen	11/5/2023		8.0		131.0	8.0	0.0	123.0
Poly Tech	11/5/2023		8.0		46.0	8.0	0.0	38.0
Retention Bonus (Will)	11/5/2023	1.0	1.0		4.0	4.0	0.0	0.0
Soda Ash	11/5/2023		8.0		145.0	8.0	0.0	137.0
Sodium Sulfite	11/5/2023		4.0		115.0	19.0	0.0	96.0
Xanthan 25#	11/5/2023		10.0		160.0	10.0	0.0	150.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)														
Fluid Type		Fluid Sub Type			Source			Vol to Lease (bbl)	Vol from Lease (bbl)	Dest				

-- JOB SUPPLIES -- (Fuel)														
Date	Supply Item Des	Vendor		Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz	
11/5/2023	Fuel			Diesel Fuel - Other	1,200.0			2,401.0	0.0	0.0	2,401.0	gal US		
11/5/2023	Fuel			Diesel	6,300.0	1,308.0		20,443.0	8,313.0	0.0	12,130.0	gal US		

-- LOST CIRCULATION --														
Start Date		End Date		Ops In Prog		Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com				



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 4.0, DFS: 3.58

Report Start Date: 11/5/2023 06:00

Report End Date: 11/6/2023 06:00

Depth Progress: 1,330.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- SURVEY DATA --										
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
8,389.00	1.02	221.00	8,256.31	1,128.20	-110.17	-1,126.63	0.16	-0.14	4.32	
8,484.00	0.41	224.17	8,351.30	1,129.00	-111.05	-1,127.42	0.64	-0.64	3.34	
8,608.00	8.11	348.75	8,474.90	1,130.89	-102.77	-1,129.44	6.73	6.21	100.47	
8,702.00	24.52	345.50	8,564.81	1,136.72	-77.21	-1,135.66	17.48	17.46	-3.46	
8,850.00	24.52	345.50	8,699.46	1,151.18	-17.75	-1,151.04	0.00	0.00	0.00	

-- FORMATION TOPS --				
Wellbore Name		CWS Borehole ID		Formation Name

-- WELLBORE SECTIONS --					
Section Des		Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date
Conductor		30	30.0	70.0	
Surface		16	70.0	1,875.0	
Intermediate		11	1,875.0	7,520.0	11/2/2023
Production		7 7/8	7,520.0		11/5/2023

-- LAST CASING RUN --						
Csg Des		Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Intermediate 1		11/4/2023 23:00	7,500.0	8 5/8	32.00	J-55

-- LOT & FIT TEST --							
Test Type	Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens Fl...	Vol Pum...
							Comment

-- SHAKER SCREENS --					
Deck Number	Screen Number	Screen Size X	Start Date	End Date	Drilling Time (hr)

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --					
Type Annular-nonrotating	Make NOV	Serial Number 20007764-1715		P Range (psi) 5,000.0	Nominal ID (in) 13 5/8
Type Double	Make Cameron	Serial Number 113074712-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Mud Cross	Make Cameron	Serial Number J2142-10		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Pipe ram-var. bore	Make Cameron	Serial Number 113075179-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Spool	Make Cameron	Serial Number		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/5/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops
11/5/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --						
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)	
1	11/2/2023 06:00		5 1/2	6,300.0	0.077	
2	11/2/2023 06:00		5 1/2	6,300.0	0.077	
3	11/2/2023 06:00			6,300.0	0.077	

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 4.0, DFS: 3.58

Report Start Date: 11/5/2023 06:00

Report End Date: 11/6/2023 06:00

Depth Progress: 1,330.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5			Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- REMARKS --

Remarks

Well Control:
*Last BOP Drill: 11/3/23
*Last Trip Drill: 11/3/23
*Annular Element: 10/14/23
*Surface Casing Tested to 1,500 psi on: Tested
*Intermediate Casing Tested to 1500 psi on: 11/5/23
*Last BOP Test: 11/2/23
*Next BOP Test: 11/23/23
*Drops inspection 10/22/23
*BOP Mini Test:

Tubulars:
*731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools)
*12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools)
*9 jts 6-3/4" DC's on location-rental (Knight Oil Tools)
*9 jts 8" DC's (H&P)
*Last BHA Inspection: 10/1/23
*Last 5" Delta 544 DP inspection: 9/01/23
*Saver sub changed: 9/7/23 - Delta 544

Rig Contractor: H&P 553
Labor: Days 6 Hands - Nights 5 Hands
Equipment Issues:



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 5.0, DFS: 4.58
Report Start Date: 11/6/2023 06:00
Report End Date: 11/7/2023 06:00
Depth Progress: 2,465.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692				
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date		
-- RIG --																		
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft•lb) 55,000		
AFE Number 23216260D				Job AFE Amt (Cost) \$3,003,400				Total AFE Supplemental Amount (Cost) \$0				Total AFE + Supp Amount (Cost) 3,003,400.00				Total Final Invoice (Cost) \$65,080		
-- OPERATIONS SUMMARY --																		
Start Depth (ftKB) 8,850.0			Start Depth (TVD) (ftKB) 8,698.1			Problem Time Hours (hr) 0.00			Percent Problem Time (%) 0.00			Daily Mud Field Est (Cost) \$9,242			Daily Field Est Total (Cost) \$128,300			
End Depth (ftKB) 11,315.0			End Depth (TVD) (ftKB) 9,047.3			Cum Problem Time Days (days) 0.125			Cum Percent Problem Time (%) 2.50			Cum Mud Field Est (Cost) \$25,702			Cum Field Est To Date (Cost) \$1,520,760			
Target Depth (MD) (ftKB) 19,581.0			Target Formation Middle Spraberry			Hole Condition Fair			Weather Clear			Temperature (°F) 61.0			Road Condition Muddy			
24 Hr Summary Drilled from 8850' to 9513' (663' drilled in 6 hrs @ avg ROP of 110.5 fph). Rotate 256' in 2.5 hrs @ 102.4 fph. Slide 407' in 3.5 hrs @ 116.3 fph. KOP:8,571' 80°: 9,410' EOC: 9,513'. Circ hole clean, TOO H F/9513' T/BHA. L/D Curve BHA (Bit: 0,1, SH, MM: No apparent damage) & P/U Lateral BHA. TIH T/8330'. Wash F/8330' T/9513'. Drilled from 9513' to 11315' (1802' drilled in 7.5 hrs @ avg ROP of 240.3 fph). Rotate 1692' in 5.5 hrs @ 307.6 fph. Slide 110' in 2 hrs @ 55 fph. Lateral drilled past 80 deg = 1905'. Lateral remaining = 8266'. Last survey 11070' Inc. 89.34, Azm. 345.01, Above 11.2', Right 16.3'.																		
AM Ops Drlg. 7-7/8" Lateral @ 11315'								Ops Forecast Drlg. ahead as per plan #2										
-- RIG SAFETY PERFORMANCE --																		
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)						MACP (psi)				WB Depth @ 6am (ftKB)				
886.00				886.00														
-- MUD CHECKS --																		
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)		
11/6/2023 21:00		Water based		Active		9,513.0		9.20		30		4.0		4.000				
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)		
1.000		2.000		2.000		18.8		1		8.8		6.0		4.4				
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)		
94.0								800.000				32,000.000		2		0.0		
-- INTERVAL PROBLEMS (NPT) --																		
Problem Type		Problem Subtype		Dur (Net) (hr)		Start Date		End Date		Start Depth (... End Depth (f...		Description				Ref #		
-- TIMELOG --																		
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com							Prob Ref #		
Drlg Prod	Drill Curve	06:00	06:30	0.50	0.50	Drill - Slide	8,850.0	8,890.0	Slide from 8850' to 8890' (40' drilled @ 80 fph). WOB = 85 klbs, Q = 550 gpm, SPP = 2950 psi, Diff = 750 psi, MM RPM = 154, TFO = HS.									
Drlg Prod	Drill Curve	06:30	07:00	0.50	1.00	Drill - Rotate	8,890.0	8,989.0	Rotate from 8890' to 8989' (99' drilled @ 198 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2940 psi, Diff = 800 psi, RPM = 30, Torque = 18 kft-lbs, MM RPM = 154, Total bit RPM = 184.									
Drlg Prod	Drill Curve	07:00	08:00	1.00	2.00	Drill - Slide	8,989.0	9,104.0	Slide from 8989' to 9104' (115' drilled @ 115 fph). WOB = 100 klbs, Q = 550 gpm, SPP = 3040 psi, Diff = 900 psi, MM RPM = 154, TFO = HS.									
Drlg Prod	Drill Curve	08:00	08:30	0.50	2.50	Drill - Rotate	9,104.0	9,132.0	Rotate from 9104' to 9132' (28' drilled @ 56 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2940 psi, Diff = 800 psi, RPM = 30, Torque = 18 kft-lbs, MM RPM = 154, Total bit RPM = 184.									
Drlg Prod	Drill Curve	08:30	09:00	0.50	3.00	Drill - Slide	9,132.0	9,199.0	Slide from 9132' to 9199' (67' drilled @ 134 fph). WOB = 100 klbs, Q = 550 gpm, SPP = 3040 psi, Diff = 900 psi, MM RPM = 154, TFO = HS.									
Drlg Prod	Drill Curve	09:00	09:30	0.50	3.50	Drill - Rotate	9,199.0	9,238.0	Rotate from 9199' to 9238' (39' drilled @ 78 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2940 psi, Diff = 800 psi, RPM = 30, Torque = 18 kft-lbs, MM RPM = 154, Total bit RPM = 184.									
Drlg Prod	Drill Curve	09:30	10:00	0.50	4.00	Drill - Slide	9,238.0	9,298.0	Slide from 9238' to 9298' (60' drilled @ 120 fph). WOB = 100 klbs, Q = 550 gpm, SPP = 3040 psi, Diff = 900 psi, MM RPM = 154, TFO = HS.									
Drlg Prod	Drill Curve	10:00	10:30	0.50	4.50	Drill - Rotate	9,298.0	9,323.0	Rotate from 9298' to 9323' (25' drilled @ 50 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2940 psi, Diff = 800 psi, RPM = 30, Torque = 18 kft-lbs, MM RPM = 154, Total bit RPM = 184.									
Drlg Prod	Drill Curve	10:30	11:00	0.50	5.00	Drill - Slide	9,323.0	9,418.0	Slide from 9323' to 9418' (95' drilled @ 190 fph). WOB = 100 klbs, Q = 550 gpm, SPP = 3040 psi, Diff = 900 psi, MM RPM = 154, TFO = HS.									
Drlg Prod	Drill Curve	11:00	11:30	0.50	5.50	Drill - Rotate	9,418.0	9,483.0	Rotate from 9418' to 9483' (65' drilled @ 130 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2940 psi, Diff = 800 psi, RPM = 30, Torque = 18 kft-lbs, MM RPM = 154, Total bit RPM = 184.									
Drlg Prod	Drill Curve	11:30	12:00	0.50	6.00	Drill - Slide	9,483.0	9,513.0	Slide from 9483' to 9513' (30' drilled @ 60 fph). WOB = 100 klbs, Q = 550 gpm, SPP = 3040 psi, Diff = 900 psi, MM RPM = 154, TFO = HS. KOP: 8,571' 80°: 9,410' EOC: 9,513'									
Drlg Prod	Cond Trip	12:00	12:30	0.50	6.50	Circ & Cond Mud	9,513.0	9,513.0	Circ. Hi-Vis Sweep & Hole Clean									
Drlg Prod	Cond Trip	12:30	15:30	3.00	9.50	Trip	9,513.0	9,513.0	TOH F/9,513' - BHA									
Drlg Prod	Cond Trip	15:30	17:00	1.50	11.00	Handle Tools	9,513.0	9,513.0	L/D Curve BHA (Bit: 0,1, SH, MM: No apparent damage) & P/U Lateral BHA									
Drlg Prod	Cond Trip	17:00	21:00	4.00	15.00	Trip	9,513.0	9,513.0	TIH T/8330'									
Drlg Prod	Cond Trip	21:00	22:30	1.50	16.50	Ream & Wash	9,513.0	9,513.0	Wash F/8330' T/9513'									
Drlg Prod	Drill Hz	22:30	23:00	0.50	17.00	Drill - Rotate	9,513.0	9,619.0	Rotate from 9513' to 9619' (106' drilled @ 212 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3550 psi, Diff = 1050 psi, RPM = 60, Torque = 24 kft-lbs, MM RPM = 192, Total bit RPM = 252.									
Drlg Prod	Drill Hz	23:00	23:30	0.50	17.50	Drill - Slide	9,619.0	9,644.0	Slide from 9619' to 9644' (25' drilled @ 50 fph). WOB = 43 klbs, Q = 550 gpm, SPP = 2900 psi, Diff = 250 psi, MM RPM = 176, TFO = 70L.									
Drlg Prod	Drill Hz	23:30	00:00	0.50	18.00	Drill - Rotate	9,644.0	9,808.0	Rotate from 9644' to 9808' (164' drilled @ 328 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3750 psi, Diff = 1050 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 192, Total bit RPM = 272.									

Ovintiv Confidential

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Report Printed: 11/7/2023



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 5.0, DFS: 4.58

Report Start Date: 11/6/2023 06:00

Report End Date: 11/7/2023 06:00

Depth Progress: 2,465.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5			Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- TIMELOG --

Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com	Prob Ref #
Drlg Prod	Drill Hz	00:00	00:30	0.50	18.50	Drill - Slide	9,808.0	9,842.0	Slide from 9808' to 9842' (34' drilled @ 68 fph). WOB = 50 klbs, Q = 550 gpm, SPP = 2950 psi, Diff = 50 psi, MM RPM = 176, TFO = 70L.	
Drlg Prod	Drill Hz	00:30	01:30	1.00	19.50	Drill - Rotat e	9,842.0	10,095.0	Rotate from 9842' to 10095' (253' drilled @ 253 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3750 psi, Diff = 1050 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 192, Total bit RPM = 272.	
Drlg Prod	Drill Hz	01:30	02:00	0.50	20.00	Drill - Slide	10,095.0	10,125.0	Slide from 10095' to 10125' (30' drilled @ 60 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 200 psi, MM RPM = 192, TFO = 60R.	
Drlg Prod	Drill Hz	02:00	04:30	2.50	22.50	Drill - Rotat e	10,125.0	11,040.0	Rotate from 10125' to 11040' (915' drilled @ 366 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3650 psi, Diff = 1100 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 272.	
Drlg Prod	Drill Hz	04:30	05:00	0.50	23.00	Drill - Slide	11,040.0	11,061.0	Slide from 11040' to 11061' (21' drilled @ 42 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 200 psi, MM RPM = 192, TFO = 180.	
Drlg Prod	Drill Hz	05:00	06:00	1.00	24.00	Drill - Rotat e	11,061.0	11,315.0	Rotate from 11061' to 11315' (254' drilled @ 254 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3750 psi, Diff = 1050 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 272.	

-- DRILL BITS -- (BHA #5 SUMMARY) Lateral												
Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
5	PDC	7 7/8	NOV	TKC66	A29584	1.0300 0000	9,513.0	11,315. 0	1,802.0	7.50	240.3	-----

BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lb)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
265	Drill Pipe	S135	5 1/2	4.778	8,340.03	11,315.00	21.90	182,646.7	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.81	2,974.97			Delta 544	XO	Delta544 x 4 1/2 IF		
1	Agitator		6 3/4	2.75	21.80	2,971.16	101.00	2,201.8	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		7	2.68	4.02	2,949.36			IF	XO	4 1/2 IF x Delta544		
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,945.34	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.91	99.71			Delta 544	XO	Delta544 x 4 1/2 IF		
1	NMDC		6 1/2	3.25	29.94	95.80			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 1/2	3.25	30.42	65.86			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6.483	3.0	2.45	35.44			IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	7/8:L 5.6:S @.35		7	2.5	31.99	32.99			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --												
Sensor Type					Sensor-Bit (ft)					Note		
Gamma					43.57					Gordon Technologies		
Directional					53.84					Gordon Technologies		

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --												
Lower Deflection Type Fixed						Lower Deflection Amount 1.25				Rotor Nozzle Diameter (in) 2.000		

-- DRILL BITS -- (BHA #4 SUMMARY) Curve												
Bit Run 4	Type PDC	Size (in) 7 7/8	Make Ulterra	Model CF611	SN 68907	Bit TFA... 1.1800 0000	Depth In... 8,571.0	Depth O... 9,513.0	Drilled (ft) 942.0	Drill Tim... 9.50	Avg RO... 99.2	IADC Bit Dull Out 0-1-WT-S-X-0-NO-BHA

-- BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lb)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
208	Drill Pipe	S135	5 1/2	4.778	6,540.58	9,513.00	21.90	143,238.7	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.81	2,972.42			Delta 544	XO	Delta544 x 4 1/2 IF		
1	Agitator		6 3/4	2.75	21.80	2,968.61	101.00	2,201.8	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		7	2.68	4.02	2,946.81			IF	XO	4 1/2 IF x Delta544		
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,942.79	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.91	97.16			Delta 544	XO	Delta544 x 4 1/2 IF		
1	NMDC		6 1/2	3.25	29.94	93.25			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 1/2	3.25	30.42	63.31			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6.483	3.0	2.41	32.89			IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	7/8:L 6.4:S @.28		6 3/4	2.0	29.48	30.48			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --												
Sensor Type					Sensor-Bit (ft)					Note		
Gamma					41.05					Gordon Technologies		
Directional					51.32					Gordon Technologies		

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --												
Lower Deflection Type Fixed						Lower Deflection Amount 2.12				Rotor Nozzle Diameter (in) 2.000		



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 5.0, DFS: 4.58

Report Start Date: 11/6/2023 06:00

Report End Date: 11/7/2023 06:00

Depth Progress: 2,465.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- KICKS --									
Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes	

MUD ADDITIVES --								
Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
24 Hour Service	11/6/2023	1.0	1.0		5.0	5.0	0.0	0.0
Aluminum Stearate	11/6/2023		2.0		31.0	2.0	0.0	29.0
Barite (Bulk)	11/6/2023		5.0		35.0	15.0	0.0	20.0
Blower Rental	11/6/2023	2.0	2.0		10.0	10.0	0.0	0.0
MF-55	11/6/2023		5.0		29.0	8.0	0.0	21.0
Poly Gen	11/6/2023		16.0		131.0	24.0	0.0	107.0
Poly Vis II	11/6/2023		2.0		28.0	2.0	0.0	26.0
Retention Bonus (Will)	11/6/2023	1.0	1.0		5.0	5.0	0.0	0.0
Soda Ash	11/6/2023		8.0		145.0	16.0	0.0	129.0
Sodium Sulfite	11/6/2023		12.0		115.0	31.0	0.0	84.0
Xanthan 25#	11/6/2023		11.0		160.0	21.0	0.0	139.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)									
Fluid Type	Fluid Sub Type			Source			Vol to Lease (bbl)	Vol from Lease (bbl)	Dest

-- JOB SUPPLIES -- (Fuel)												
Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz
11/7/2023	Fuel		Diesel		2,114.0		20,443.0	10,427.0	0.0	10,016.0	gal US	

-- LOST CIRCULATION --									
Start Date	End Date	Ops In Prog			Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com

-- SURVEY DATA --									
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
10,785.00	90.97	346.45	9,050.45	2,302.87	1,744.06	-1,516.39	0.32	0.28	-0.16
10,881.00	91.33	345.83	9,048.52	2,391.67	1,837.25	-1,539.38	0.75	0.38	-0.65
10,976.00	92.14	345.70	9,045.65	2,479.75	1,929.29	-1,562.73	0.86	0.85	-0.14
11,070.00	89.34	345.01	9,044.43	2,567.18	2,020.22	-1,586.49	3.07	-2.98	-0.73
11,315.00	89.34	345.01	9,047.25	2,795.62	2,256.86	-1,649.86	0.00	0.00	0.00

-- FORMATION TOPS --									
Wellbore Name			CWS Borehole ID		Formation Name			Drill Top MD (ftKB)	Drill Top (TVD) (ftKB)

-- WELLBORE SECTIONS --									
Section Des			Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date		Section TD Date	
Conductor			30	30.0	70.0				
Surface			16	70.0	1,875.0				
Intermediate			11	1,875.0	7,520.0	11/2/2023		11/4/2023	
Production			7 7/8	7,520.0		11/5/2023			

-- LAST CASING RUN --									
Csg Des	Run Date		Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade		Top Thread	
Intermediate 1	11/4/2023 23:00		7,500.0	8 5/8	32.00	J-55		Buttress Thread	

-- LOT & FIT TEST --									
Test Type	Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens Fl...	Vol Pum...	Comment	

-- SHAKER SCREENS --									
Deck Number	Screen Number	Screen Size X	Start Date			End Date		Drilling Time (hr)	

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --									
Type Annular-nonrotating	Make NOV		Serial Number 20007764-1715			P Range (psi) 5,000.0	Nominal ID (in) 13 5/8	Body Type SXX	
Type Double	Make Cameron		Serial Number 113074712-01			P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Mud Cross	Make Cameron		Serial Number J2142-10			P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Pipe ram-var. bore	Make Cameron		Serial Number 113075179-01			P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	
Type Spool	Make Cameron		Serial Number			P Range (psi) 10,000.0	Nominal ID (in) 13 5/8	Body Type	

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)									
Date	Type		Tour	Des	Com				
11/6/2023 06:00	Safety Meeting/JSA		Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops				
11/6/2023 17:45	Safety Meeting/JSA		Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement				

-- SAFETY INCIDENTS --									
Date			Type				IMS Plus Incident #		

-- MUD PUMPS --									
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)		
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2		
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2		
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2		



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 5.0, DFS: 4.58

Report Start Date: 11/6/2023 06:00

Report End Date: 11/7/2023 06:00

Depth Progress: 2,465.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date		

-- PUMP OPERATIONS --					
Pump #		Start Date		End Date	
1		11/2/2023 06:00			
2		11/2/2023 06:00			
3		11/2/2023 06:00			

-- SLOW PUMP RATES --					
Pump #		Date		Depth (ftKB)	

-- WELLHEADS --					
Type		Make		Working Pressure (psi)	

-- PERSONNEL LOG --		
Type		Count
Contractor		2
Contractor		12
Contractor		2
Contractor		2
Contractor		1
Contractor		0

-- REMARKS --	
<div>Remarks</div> <div>Well Control: *Last BOP Drill: 11/3/23 *Last Trip Drill: 11/3/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: Tested *Intermediate Casing Tested to 1500 psi on: 11/5/23 *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test:</div> <div>Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/1/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544</div> <div>Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:</div>	



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 6.0, DFS: 5.58

Report Start Date: 11/7/2023 06:00

Report End Date: 11/8/2023 06:00

Depth Progress: 4,270.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$3,003,400	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 3,003,400.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 11,315.0	Start Depth (TVD) (ftKB) 9,046.7	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$12,934	Daily Field Est Total (Cost) \$85,100
End Depth (ftKB) 15,585.0	End Depth (TVD) (ftKB) 9,038.3	Cum Problem Time Days (days) 0.125	Cum Percent Problem Time (%) 2.08	Cum Mud Field Est (Cost) \$38,636	Cum Field Est To Date (Cost) \$1,590,860
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 82.0	Road Condition Muddy
24 Hr Summary Drilled from 11315' to 15585' (4270' drilled in 23.5 hrs @ avg ROP of 181.7 fph). Rotate 3995' in 17.5 hrs @ 228.3 fph. Slide 275' in 6 hrs @ 45.8 fph. Lateral drilled past 80 deg = 6175'. Lateral remaining = 3996'. Last survey @14960' Inc. 90.29, Azm. 349.82, Above 14.1', Left 16.2'					
AM Ops Drlg. 7-7/8" Lateral @ 15585'			Ops Forecast Drlg. ahead as per plan #2		

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
887.00				887.00											

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
11/7/2023 21:00	Water based	Active	14,114.0	9.15	30	3.0	4.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	1.000	2.000	19.4	1	8.5	7.0	5.0	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
92.0	1.0					43,000.000	2	0.0

-- INTERVAL PROBLEMS (NPT) --								
Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...)	End Depth (f...)	Description	Ref #

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com						Prob Ref #
Drlg Prod	Drill Hz	06:00	07:30	1.50	1.50	Drill - Rotat e	11,315.0	11,705.0	Rotate from 11315' to 11705' (390' drilled @ 260 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3750 psi, Diff = 1050 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	07:30	08:00	0.50	2.00	Drill - Slide	11,705.0	11,732.0	Slide from 11705' to 11732' (27' drilled @ 54 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3050 psi, Diff = 200 psi, MM RPM = 192, TFO = 160R.						
Drlg Prod	Drill Hz	08:00	09:30	1.50	3.50	Drill - Rotat e	11,732.0	12,085.0	Rotate from 11732' to 12085' (353' drilled @ 235.3 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3750 psi, Diff = 1050 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	09:30	10:00	0.50	4.00	Drill - Slide	12,085.0	12,116.0	Slide from 12085' to 12116' (31' drilled @ 62 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3220 psi, Diff = 300 psi, MM RPM = 192, TFO = 140R.						
Drlg Prod	Drill Hz	10:00	11:00	1.00	5.00	Drill - Rotat e	12,116.0	12,370.0	Rotate from 12116' to 12370' (254' drilled @ 254 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3620 psi, Diff = 700 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	11:00	11:30	0.50	5.50	Drill - Slide	12,370.0	12,390.0	Slide from 12370' to 12390' (20' drilled @ 40 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3220 psi, Diff = 300 psi, MM RPM = 192, TFO = 160R.						
Drlg Prod	Drill Hz	11:30	12:30	1.00	6.50	Drill - Rotat e	12,390.0	12,644.0	Rotate from 12390' to 12644' (254' drilled @ 254 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 3620 psi, Diff = 700 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	12:30	13:00	0.50	7.00	Rig Servi ce	12,644.0	12,644.0	Rig Service						
Drlg Prod	Drill Hz	13:00	14:30	1.50	8.50	Drill - Rotat e	12,644.0	13,040.0	Rotate from 12644' to 13040' (396' drilled @ 264 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3620 psi, Diff = 800 psi, RPM = 70, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 262.						
Drlg Prod	Drill Hz	14:30	15:00	0.50	9.00	Drill - Slide	13,040.0	13,070.0	Slide from 13040' to 13070' (30' drilled @ 60 fph). WOB = 62 klbs, Q = 600 gpm, SPP = 3120 psi, Diff = 200 psi, MM RPM = 192, TFO = 100R.						
Drlg Prod	Drill Hz	15:00	17:30	2.50	11.50	Drill - Rotat e	13,070.0	13,513.0	Rotate from 13070' to 13513' (443' drilled @ 177.2 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3620 psi, Diff = 800 psi, RPM = 70, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 262.						
Drlg Prod	Drill Hz	17:30	18:00	0.50	12.00	Drill - Slide	13,513.0	13,536.0	Slide from 13513' to 13536' (23' drilled @ 46 fph). WOB = 52 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 200 psi, MM RPM = 192, TFO = 70L.						
Drlg Prod	Drill Hz	18:00	20:00	2.00	14.00	Drill - Rotat e	13,536.0	14,075.0	Rotate from 13536' to 14075' (539' drilled @ 269.5 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3850 psi, Diff = 900 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	20:00	21:00	1.00	15.00	Drill - Slide	14,075.0	14,101.0	Slide from 14075' to 14101' (26' drilled @ 26 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3250 psi, Diff = 250 psi, MM RPM = 192, TFO = 180.						
Drlg Prod	Drill Hz	21:00	21:30	0.50	15.50	Drill - Rotat e	14,101.0	14,265.0	Rotate from 14101' to 14265' (164' drilled @ 328 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3850 psi, Diff = 900 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	21:30	22:00	0.50	16.00	Drill - Slide	14,265.0	14,298.0	Slide from 14265' to 14298' (33' drilled @ 66 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3250 psi, Diff = 250 psi, MM RPM = 192, TFO = 90R.						
Drlg Prod	Drill Hz	22:00	23:30	1.50	17.50	Drill - Rotat e	14,298.0	14,550.0	Rotate from 14298' to 14550' (252' drilled @ 168 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3850 psi, Diff = 900 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	23:30	00:00	0.50	18.00	Drill - Slide	14,550.0	14,580.0	Slide from 14550' to 14580' (30' drilled @ 60 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 200 psi, MM RPM = 192, TFO = 90R.						
Drlg Prod	Drill Hz	00:00	01:00	1.00	19.00	Drill - Rotat e	14,580.0	14,842.0	Rotate from 14580' to 14842' (262' drilled @ 262 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3950 psi, Diff = 950 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 277.						



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 6.0, DFS: 5.58
Report Start Date: 11/7/2023 06:00
Report End Date: 11/8/2023 06:00
Depth Progress: 4,270.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- TIMELOG --													
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com				Prob Ref #
Drlg Prod	Drill Hz	01:00	02:00	1.00	20.00	Drill - Slide	14,842.0	14,877.0	Slide from 14842' to 14877' (35' drilled @ 35 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3250 psi, Diff = 250 psi, MM RPM = 192, TFO = 90R.				
Drlg Prod	Drill Hz	02:00	05:00	3.00	23.00	Drill - Rotat e	14,877.0	15,500.0	Rotate from 14877' to 15500' (623' drilled @ 207.7 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3950 psi, Diff = 950 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 277.				
Drlg Prod	Drill Hz	05:00	05:30	0.50	23.50	Drill - Slide	15,500.0	15,520.0	Slide from 15500' to 15520' (20' drilled @ 40 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3250 psi, Diff = 250 psi, MM RPM = 192, TFO = 170L.				
Drlg Prod	Drill Hz	05:30	06:00	0.50	24.00	Drill - Rotat e	15,520.0	15,585.0	Rotate from 15520' to 15585' (65' drilled @ 130 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 800 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 277.				

-- DRILL BITS -- (BHA #5 SUMMARY) Lateral													
Bit Run	Type	Size (in)	Make		Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
5	PDC	7 7/8	NOV		TKC66	A29584	1.0300 0000	9,513.0	15,585.0	6,072.0	31.00	195.9	-----

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
399	Drill Pipe	S135	5 1/2	4.778	12,610.03	15,585.00	21.90	276,159.7	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.81	2,974.97			Delta 544	XO	Delta544 x 4 1/2 IF		
1	Agitator		6 3/4	2.75	21.80	2,971.16	101.00	2,201.8	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		7	2.68	4.02	2,949.36			IF	XO	4 1/2 IF x Delta544		
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,945.34	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544		
1	XO Sub		7	2.68	3.91	99.71			Delta 544	XO	Delta544 x 4 1/2 IF		
1	NMDC		6 1/2	3.25	29.94	95.80			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 1/2	3.25	30.42	65.86			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6.483	3.0	2.45	35.44			IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	7/8:L 5.6:S @.35		7	2.5	31.99	32.99			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --													
Sensor Type						Sensor-Bit (ft)				Note			
Gamma						43.57				Gordon Technologies			
Directional						53.84				Gordon Technologies			

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --													
Lower Deflection Type Fixed						Lower Deflection Amount 1.25				Rotor Nozzle Diameter (in) 2.000			

-- KICKS --													
Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes					

-- MUD ADDITIVES --													
Des			Date		Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc		
24 Hour Service			11/7/2023		1.0	1.0		6.0	6.0	0.0	0.0		
Aluminum Stearate			11/7/2023			5.0		31.0	7.0	0.0	24.0		
Blower Rental			11/7/2023		2.0	2.0		12.0	12.0	0.0	0.0		
GenLube 2.0			11/7/2023			265.0		1,590.0	265.0	0.0	1,325.0		
GenSeal M			11/7/2023			14.0		106.0	14.0	0.0	92.0		
GenWet			11/7/2023			25.0		165.0	25.0	0.0	140.0		
Pac LV			11/7/2023			10.0		87.0	18.0	0.0	69.0		
Poly Vis II			11/7/2023			2.0		28.0	4.0	0.0	24.0		
Retention Bonus (Will)			11/7/2023		1.0	1.0		6.0	6.0	0.0	0.0		
Soda Ash			11/7/2023			10.0		145.0	26.0	0.0	119.0		
Sodium Sulfite			11/7/2023			4.0		115.0	35.0	0.0	80.0		
Xanthan 25#			11/7/2023			13.0		160.0	34.0	0.0	126.0		

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)													
Fluid Type	Fluid Sub Type				Source			Vol to Lease (bbl)	Vol from Lease (bbl)	Dest			

-- JOB SUPPLIES -- (Fuel)													
Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz	
11/8/2023	Fuel		Diesel		2,878.0		20,443.0	13,305.0	0.0	7,138.0	gal US		

-- LOST CIRCULATION --													
Start Date	End Date	Ops In Prog			Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com				

-- SURVEY DATA --													
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)				
14,674.00	91.08	348.00	9,042.47	6,027.83	5,525.54	-2,415.27	0.98	0.98	0.04				
14,769.00	90.15	345.59	9,041.45	6,121.71	5,618.01	-2,436.97	2.72	-0.98	-2.54				
14,865.00	89.76	347.91	9,041.53	6,216.60	5,711.45	-2,458.97	2.45	-0.41	2.42				
14,960.00	90.29	349.82	9,041.49	6,309.90	5,804.66	-2,477.31	2.09	0.56	2.01				
15,585.00	90.29	349.82	9,038.32	6,921.74	6,419.81	-2,587.78	0.00	0.00	0.00				



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 6.0, DFS: 5.58
Report Start Date: 11/7/2023 06:00
Report End Date: 11/8/2023 06:00
Depth Progress: 4,270.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- FORMATION TOPS --				
Wellbore Name		CWS Borehole ID		Formation Name

-- WELLBORE SECTIONS --					
Section Des		Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date
Conductor		30	30.0	70.0	
Surface		16	70.0	1,875.0	
Intermediate		11	1,875.0	7,520.0	11/2/2023
Production		7 7/8	7,520.0		11/5/2023

-- LAST CASING RUN --						
Csg Des		Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Intermediate 1		11/4/2023 23:00	7,500.0	8 5/8	32.00	J-55

-- LOT & FIT TEST --							
Test Type		Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens FL...

-- SHAKER SCREENS --					
Deck Number	Screen Number	Screen Size X	Start Date	End Date	Drilling Time (hr)

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --					
Type Annular-nonrotating	Make NOV	Serial Number 20007764-1715		P Range (psi) 5,000.0	Nominal ID (in) 13 5/8
Type Double	Make Cameron	Serial Number 113074712-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Mud Cross	Make Cameron	Serial Number J2142-10		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Pipe ram-var. bore	Make Cameron	Serial Number 113075179-01		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8
Type Spool	Make Cameron	Serial Number		P Range (psi) 10,000.0	Nominal ID (in) 13 5/8

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/7/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops
11/7/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	11/2/2023 06:00		5 1/2	6,300.0	0.077
2	11/2/2023 06:00		5 1/2	6,300.0	0.077
3	11/2/2023 06:00			6,300.0	0.077

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 6.0, DFS: 5.58

Report Start Date: 11/7/2023 06:00

Report End Date: 11/8/2023 06:00

Depth Progress: 4,270.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- REMARKS --
Remarks Well Control: *Last BOP Drill: 11/3/23 *Last Trip Drill: 11/3/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: Tested *Intermediate Casing Tested to 1500 psi on: 11/5/23 *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test: Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/1/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 7.0, DFS: 6.58

Report Start Date: 11/8/2023 06:00

Report End Date: 11/9/2023 06:00

Depth Progress: 1,854.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$6,006,800	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 6,006,800.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 15,585.0	Start Depth (TVD) (ftKB) 9,031.6	Problem Time Hours (hr) 10.50	Percent Problem Time (%) 43.75	Daily Mud Field Est (Cost) \$19,201	Daily Field Est Total (Cost) \$116,400
End Depth (ftKB) 17,439.0	End Depth (TVD) (ftKB) 9,051.2	Cum Problem Time Days (days) 0.563	Cum Percent Problem Time (%) 8.04	Cum Mud Field Est (Cost) \$57,837	Cum Field Est To Date (Cost) \$1,707,260
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Clear	Temperature (°F) 76.0	Road Condition Muddy
24 Hr Summary Drilled from 15585' to 17439' (1854' drilled in 13 hrs @ avg ROP of 142.6 fph). Rotate 1774' in 10.5 hrs @ 169 fph. Slide 80' in 2.5 hrs @ 32 fph. Lateral drilled past 80 deg = 8029'. Lateral remaining = 2142'. Last survey @17238' Inc. 91.75, Azm 348.06, Below 1.7' Right 22.8'. Troubleshoot 600psi loss, TOO H wet looking for wash F/17439' T/BHA .L/O BHA(Bit: 1,3, BT,S, MM: Parted at top sub, hanging on catch.) L/O same, M/U lateral assembly #2.					
AM Ops M/U lateral assembly #2			Ops Forecast TIH, Drlg. ahead as per plan #2		

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
888.00				888.00											

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)	
11/8/2023 21:00	Water based	Active		17,439.0		9.10		31		3.0		6.000			
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
1.000	1.000	2.000		16.4		1		8.7		7.0		5.2			
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	
91.0	2.0									40,000.000		2		0.0	

-- INTERVAL PROBLEMS (NPT) --								
Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...)	End Depth (f...)	Description	Ref #
Mud Motor			11/8/2023 19:30		17,439.0		TOOH due to motor failure	3

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com						Prob Ref #
Drlg Prod	Drill Hz	06:00	07:30	1.50	1.50	Drill - Rotat e	15,585.0	15,882.0	Rotate from 15585' to 15882' (297' drilled @ 198 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 900 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 277.						
Drlg Prod	Drill Hz	07:30	08:00	0.50	2.00	Drill - Slide	15,882.0	15,909.0	Slide from 15882' to 15909' (27' drilled @ 54 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 250 psi, MM RPM = 192, TFO = 150R.						
Drlg Prod	Drill Hz	08:00	11:00	3.00	5.00	Drill - Rotat e	15,909.0	16,379.0	Rotate from 15909' to 16379' (470' drilled @ 156.7 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 700 psi, RPM = 80, Torque = 29 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	11:00	11:30	0.50	5.50	Drill - Slide	16,379.0	16,390.0	Slide from 16379' to 16390' (11' drilled @ 22 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3375 psi, Diff = 250 psi, MM RPM = 192, TFO = 160R.						
Drlg Prod	Drill Hz	11:30	13:30	2.00	7.50	Drill - Rotat e	16,390.0	16,736.0	Rotate from 16390' to 16736' (346' drilled @ 173 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 900 psi, RPM = 60, Torque = 29 kft-lbs, MM RPM = 192, Total bit RPM = 252.						
Drlg Prod	Drill Hz	13:30	14:00	0.50	8.00	Drill - Slide	16,736.0	16,753.0	Slide from 16736' to 16753' (17' drilled @ 34 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3500 psi, Diff = 200 psi, MM RPM = 192, TFO = HS.						
Drlg Prod	Drill Hz	14:00	17:00	3.00	11.00	Drill - Rotat e	16,753.0	17,294.0	Rotate from 16753' to 17294' (541' drilled @ 180.3 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 800 psi, RPM = 80, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	17:00	17:30	0.50	11.50	Rig Servi ce	17,294.0	17,294.0	Rig Service						
Drlg Prod	Drill Hz	17:30	18:00	0.50	12.00	Drill - Rotat e	17,294.0	17,400.0	Rotate from 17294' to 17400' (106' drilled @ 212 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 850 psi, RPM = 80, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	18:00	19:00	1.00	13.00	Drill - Slide	17,400.0	17,425.0	Slide from 17400' to 17425' (25' drilled @ 25 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 350 psi, MM RPM = 192, TFO = 180.						
Drlg Prod	Drill Hz	19:00	19:30	0.50	13.50	Drill - Rotat e	17,425.0	17,439.0	Rotate from 17425' to 17439' (14' drilled @ 28 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 800 psi, RPM = 55, Torque = 30 kft-lbs, MM RPM = 192, Total bit RPM = 247. (600psi loss)						
Drlg Prod	Cond Trip	19:30	20:00	0.50	14.00	Other	17,439.0	17,439.0	Troubleshoot psi loss, isolate pumps, check surface equip.						3
Drlg Prod	Cond Trip	20:00	04:00	8.00	22.00	Trip	17,439.0	17,439.0	TOOH wet looking for wash. F/17439' T/BHA,						3
Drlg Prod	Cond Trip	04:00	06:00	2.00	24.00	Handl e Tools	17,439.0	17,439.0	L/O BHA(Bit: 1,3, BT,S, MM: Parted at top sub, hanging on catch.) L/O same, M/U lateral assembly #2.						3

-- DRILL BITS -- (BHA #5 SUMMARY) Lateral															
Bit Run 5	Type PDC	Size (in) 7 7/8	Make NOV	Model TKC66			SN A29584	Bit TFA... 1.0300 0000	Depth In... 9,513.0	Depth O... 17,439.0	Drilled (ft) 7,926.0	Drill Tim... 44.00	Avg RO... 180.1	IADC Bit Dull Out 1-3-BT-S-X-0-CT-DMF	

-- BHA --															
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)		
458	Drill Pipe	S135	5 1/2	4.778	14,464.03	17,439.00	21.90	316,762.3	Delta 544	Drill pipe	Delta544 x Delta544				
1	XO Sub		7	2.68	3.81	2,974.97			Delta 544	XO	Delta544 x 4 1/2 IF				
1	Agitator		6 3/4	2.75	21.80	2,971.16	101.00	2,201.8	IF	Agitator	4 1/2 IF x 4 1/2 IF				
1	XO Sub		7	2.68	4.02	2,949.36			IF	XO	4 1/2 IF x Delta544				
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,945.34	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544				



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 7.0, DFS: 6.58
Report Start Date: 11/8/2023 06:00
Report End Date: 11/9/2023 06:00
Depth Progress: 1,854.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- BHA --														
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	
1	XO Sub		7	2.68	3.91	99.71			Delta 544	XO	Delta544 x 4 1/2 IF			
1	NMDC		6 1/2	3.25	29.94	95.80			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 1/2	3.25	30.42	65.86			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6.483	3.0	2.45	35.44			IF	Drill Collar	4 1/2 IF x 4 1/2 IF			
1	7/8:L 5.6:S @.35		7	2.5	31.99	32.99			IF	Motor 2	4 1/2 IF x 4 1/2 Reg			

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				
Gamma										43.57 Gordon Technologies				
Directional										53.84 Gordon Technologies				

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --														
Lower Deflection Type Fixed					Lower Deflection Amount 1.25					Rotor Nozzle Diameter (in) 2.000				

-- KICKS --														
Kick Date		Kick Depth (ftKB)	Control Date		Control Depth (ftKB)	Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)	Kill Notes				

-- MUD ADDITIVES --								
Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
24 Hour Service	11/8/2023	1.0	1.0		7.0	7.0	0.0	0.0
Aluminum Stearate	11/8/2023		4.0		31.0	11.0	0.0	20.0
Blower Rental	11/8/2023	2.0	2.0		14.0	14.0	0.0	0.0
GenLube 2.0	11/8/2023		265.0		1,590.0	530.0	0.0	1,060.0
GenShield	11/8/2023		50.0		330.0	50.0	0.0	280.0
MEA	11/8/2023		25.0		25.0	25.0	0.0	0.0
Myacide GA 25	11/8/2023		4.0		28.0	4.0	0.0	24.0
Pac LV	11/8/2023		19.0		87.0	37.0	0.0	50.0
Poly Gen	11/8/2023		21.0		131.0	45.0	0.0	86.0
Poly Tech	11/8/2023		-12.0		46.0	-4.0	0.0	50.0
Poly Vis II	11/8/2023		2.0		28.0	6.0	0.0	22.0
Retention Bonus (Will)	11/8/2023	1.0	1.0		7.0	7.0	0.0	0.0
Soda Ash	11/8/2023		21.0		145.0	47.0	0.0	98.0
Sodium Sulfite	11/8/2023		8.0		115.0	43.0	0.0	72.0
Xanthan 25#	11/8/2023		19.0		160.0	53.0	0.0	107.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)														
Fluid Type		Fluid Sub Type			Source			Vol to Lease (bbl)	Vol from Lease (bbl)	Dest				

-- JOB SUPPLIES -- (Fuel)												
Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz
11/9/2023	Fuel		Diesel	7,200.0	2,710.0		27,643.0	16,015.0	0.0	11,628.0	gal US	

-- LOST CIRCULATION --														
Start Date		End Date		Ops In Prog			Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com			

-- SURVEY DATA --										
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
16,952.00	89.15	347.36	9,058.97	8,272.09	7,754.13	-2,881.90	0.34	-0.32	-0.11	
17,047.00	89.71	347.48	9,059.92	8,366.31	7,846.84	-2,902.59	0.60	0.59	0.13	
17,142.00	90.83	348.05	9,059.47	8,460.45	7,939.68	-2,922.72	1.32	1.18	0.60	
17,238.00	91.75	348.06	9,057.31	8,555.49	8,033.58	-2,942.59	0.96	0.96	0.01	
17,439.00	91.75	348.06	9,051.17	8,754.45	8,230.14	-2,984.15	0.00	0.00	0.00	

-- FORMATION TOPS --														
Wellbore Name			CWS Borehole ID			Formation Name			Drill Top MD (ftKB)			Drill Top (TVD) (ftKB)		

-- WELLBORE SECTIONS --														
Section Des				Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)		Section Spud Date		Section TD Date		
Conductor				30		30.0		70.0						
Surface				16		70.0		1,875.0						
Intermediate				11		1,875.0		7,520.0		11/2/2023		11/4/2023		
Production				7 7/8		7,520.0				11/5/2023				

-- LAST CASING RUN --														
Csg Des		Run Date		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft)		Grade		Top Thread		
Intermediate 1		11/4/2023 23:00		7,500.0		8 5/8		32.00		J-55		Buttress Thread		

-- LOT & FIT TEST --														
Test Type		Test Date		Last Casing String Run		Formation Tested		Le...	Fluid Type		Dens Fl...	Vol Pum...	Comment	

-- SHAKER SCREENS --														
Deck Number		Screen Number		Screen Size X		Start Date			End Date			Drilling Time (hr)		

-- BOP --									
Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)

-- BOP COMPONENTS --														
Type		Make			Serial Number			P Range (psi)		Nominal ID (in)		Body Type		
Annular-nonrotating		NOV			20007764-1715			5,000.0		13 5/8		SXX		



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 7.0, DFS: 6.58
Report Start Date: 11/8/2023 06:00
Report End Date: 11/9/2023 06:00
Depth Progress: 1,854.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- BOP COMPONENTS --															
Type Double		Make Cameron				Serial Number 113074712-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type	
Type Mud Cross		Make Cameron				Serial Number J2142-10				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type	
Type Pipe ram-var. bore		Make Cameron				Serial Number 113075179-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type	
Type Spool		Make Cameron				Serial Number				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type	

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)															
Date		Type			Tour		Des			Com					
11/8/2023 06:00		Safety Meeting/JSA			Day		Pre-tour			Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops					
11/8/2023 17:45		Safety Meeting/JSA			Night		Pre-tour			Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement					

-- SAFETY INCIDENTS --															
Date					Type					IMS Plus Incident #					

-- MUD PUMPS --															
Pump #		Start Date		End Date		Make		Model		Pwr (hp)		Stroke (in)		Rod Dia (in)	
1		11/2/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5 1/2	
2		11/2/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5 1/2	
3		11/2/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5 1/2	

-- PUMP OPERATIONS --															
Pump #		Start Date			End Date			Liner Size (in)			P Max (psi)			Vol/Stk OR (bbl/stk)	
1		11/2/2023 06:00						5 1/2			6,300.0			0.077	
2		11/2/2023 06:00						5 1/2			6,300.0			0.077	
3		11/2/2023 06:00									6,300.0			0.077	

-- SLOW PUMP RATES --															
Pump #		Date		Depth (ftKB)		Strokes (spm)		Q Flow (gpm)		P (psi)		Eff (%)			

-- WELLHEADS --															
Type		Make				Working Pressure (psi)		Max Pres (psi)		Size (in)		Start Date			

-- PERSONNEL LOG --															
Type								Company						Count	
Contractor								RWDY, Inc.						2	
Contractor								Helmerich & Payne International Drig Co						12	
Contractor								Genesis Fluids, LLC						2	
Contractor								Altitude Energy Partners, LLC						2	
Contractor								Gordon Technologies, LLC						1	
Contractor								Sun Drilling Products Corporat (CA Use)						0	

-- REMARKS --															
Remarks															
Well Control:															
*Last BOP Drill: 11/3/23															
*Last Trip Drill: 11/3/23															
*Annular Element: 10/14/23															
*Surface Casing Tested to 1,500 psi on: Tested															
*Intermediate Casing Tested to 1500 psi on: 11/5/23															
*Last BOP Test: 11/2/23															
*Next BOP Test: 11/23/23															
*Drops inspection 10/22/23															
*BOP Mini Test:															
Tubulars:															
*731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools)															
*12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools)															
*9 jts 6-3/4" DC's on location-rental (Knight Oil Tools)															
*9 jts 8" DC's (H&P)															
*Last BHA Inspection: 10/1/23															
*Last 5" Delta 544 DP inspection: 9/01/23															
*Saver sub changed: 9/7/23 - Delta 544															
Rig Contractor: H&P 553															
Labor: Days 6 Hands - Nights 5 Hands															
Equipment Issues:															



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 8.0, DFS: 7.58

Report Start Date: 11/9/2023 06:00

Report End Date: 11/10/2023 06:00

Depth Progress: 1,784.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$5,906,800	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 5,906,800.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 17,439.0	Start Depth (TVD) (ftKB) 9,052.1	Problem Time Hours (hr) 10.00	Percent Problem Time (%) 41.67	Daily Mud Field Est (Cost) \$3,962	Daily Field Est Total (Cost) \$125,700
End Depth (ftKB) 19,223.0	End Depth (TVD) (ftKB) 9,069.2	Cum Problem Time Days (days) 0.979	Cum Percent Problem Time (%) 12.24	Cum Mud Field Est (Cost) \$61,799	Cum Field Est To Date (Cost) \$1,832,960
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Drizzle / Mist	Temperature (°F) 46.0	Road Condition Muddy
24 Hr Summary TIH F/BHA T/7427', Cut drill line & Rig service. TIH F/7427' T/17286. Wash F/17286' T/17439'.Drilled from 17439' to 19223' (1784' drilled in 14 hrs @ avg ROP of 127.4 fph). Rotate 1669' in 11.5 hrs @ 145.1 fph. Slide 115' in 2.5 hrs @ 46 fph. Lateral drilled past 80 deg = 9813'. Lateral remaining = 297'. Last survey @18947' Inc. 87.58, Azm 346.04, Below 1.9', Right 14.1'.					
AM Ops Drlg. 7-7/8" Lateral @ 19223'			Ops Forecast Drlg. ahead as per plan #2. Circ clean up cycles. TOOH to run 5.5"/6" csg.		

Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
889.00				889.00											

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
11/9/2023 21:00	Water based	Active	18,160.0	9.10	31	3.0	6.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	1.000	2.000	16.6	1	8.5	7.0	5.4	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
91.0	2.0					36,000.000	2	0.0

-- INTERVAL PROBLEMS (NPT) --								
Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...)	End Depth (f...)	Description	Ref #
Mud Motor		20.50	11/8/2023 19:30	11/9/2023 16:00	17,439.0	17,439.0	TOOH due to motor failure	3

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com						Prob Ref #
Drlg Prod	Cond Trip	06:00	09:30	3.50	3.50	Trip	17,439.0	17,439.0	TIH F/BHA T/7427'						3
Drlg Prod	Cond Trip	09:30	10:30	1.00	4.50	Other	17,439.0	17,439.0	Slip & cut drill line.						3
Drlg Prod	Cond Trip	10:30	11:00	0.50	5.00	Rig Service	17,439.0	17,439.0	Rig Service						3
Drlg Prod	Cond Trip	11:00	15:30	4.50	9.50	Trip	17,439.0	17,439.0	TIH F/7427' T/17286'						3
Drlg Prod	Cond Trip	15:30	16:00	0.50	10.00	Ream & Wash	17,439.0	17,439.0	Wash F/17286' T/17439'						3
Drlg Prod	Drill Hz	16:00	18:30	2.50	12.50	Drill - Rotate	17,439.0	17,875.0	Rotate from 17439' to 17875' (436' drilled @ 174.4 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4450 psi, Diff = 1000 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	18:30	19:00	0.50	13.00	Drill - Slide	17,875.0	17,905.0	Slide from 17875' to 17905' (30' drilled @ 60 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 300 psi, MM RPM = 192, TFO = 30L.						
Drlg Prod	Drill Hz	19:00	21:00	2.00	15.00	Drill - Rotate	17,905.0	18,150.0	Rotate from 17905' to 18150' (245' drilled @ 122.5 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4400 psi, Diff = 800 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	21:00	21:30	0.50	15.50	Drill - Slide	18,150.0	18,180.0	Slide from 18150' to 18180' (30' drilled @ 60 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 300 psi, MM RPM = 192, TFO = 30L.						
Drlg Prod	Drill Hz	21:30	02:30	5.00	20.50	Drill - Rotate	18,180.0	18,915.0	Rotate from 18180' to 18915' (735' drilled @ 147 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4400 psi, Diff = 800 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.						
Drlg Prod	Drill Hz	02:30	03:00	0.50	21.00	Drill - Slide	18,915.0	18,945.0	Slide from 18915' to 18945' (30' drilled @ 60 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 300 psi, MM RPM = 192, TFO = 80R.						
Drlg Prod	Drill Hz	03:00	03:30	0.50	21.50	Drill - Rotate	18,945.0	19,015.0	Rotate from 18945' to 19015' (70' drilled @ 140 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 600 psi, RPM = 70, Torque = 33 kft-lbs, MM RPM = 192, Total bit RPM = 262.						
Drlg Prod	Drill Hz	03:30	04:30	1.00	22.50	Drill - Slide	19,015.0	19,040.0	Slide from 19015' to 19040' (25' drilled @ 25 fph). WOB = 70 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 300 psi, MM RPM = 192, TFO = 60R.						
Drlg Prod	Drill Hz	04:30	06:00	1.50	24.00	Drill - Rotate	19,040.0	19,223.0	Rotate from 19040' to 19223' (183' drilled @ 122 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4400 psi, Diff = 700 psi, RPM = 70, Torque = 33 kft-lbs, MM RPM = 192, Total bit RPM = 262.						

-- DRILL BITS -- (BHA #6 SUMMARY) Lateral															
Bit Run 6	Type PDC	Size (in) 7 7/8	Make Ulterra			Model XP616		SN 68535	Bit TFA... 1.0300 0000	Depth In... 17,439. 0	Depth O... 19,223. 0	Drilled (ft) 1,784.0	Drill Tim... 14.00	Avg RO... 127.4	IADC Bit Dull Out -----

-- BHA --														
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	
516	Drill Pipe	S135	5 1/2	4.778	16,248.07	19,223.00	21.90	355,832.7	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.81	2,974.93			Delta 544	XO	Delta544 x 4 1/2 IF			
1	Agitator		6 3/4	2.75	22.19	2,971.12	101.00	2,241.2	IF	Agitator	4 1/2 IF x 4 1/2 IF			
1	XO Sub		7	2.68	4.02	2,948.93			IF	XO	4 1/2 IF x Delta544			
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,944.91	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.91	99.28			Delta 544	XO	Delta544 x 4 1/2 IF			



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 8.0, DFS: 7.58
Report Start Date: 11/9/2023 06:00
Report End Date: 11/10/2023 06:00
Depth Progress: 1,784.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692					
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date			
-- BHA --																			
Jts	Item Des			Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections		Gauge (in)	Drift (in)			
1	NMDC				6 1/2	3.25	29.94	95.37			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF						
1	NMDC				6 1/2	3.25	30.42	65.43			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF						
1	UBHO				6.483	3.0	2.00	35.01			IF	Drill Collar	4 1/2 IF x 4 1/2 IF						
1	7/8:L 5.6:S @.35				7	2.5	32.01	33.01			IF	Motor 2	4 1/2 IF x 4 1/2 Reg						
-- DOWNHOLE SENSORS --																			
Sensor Type						Sensor-Bit (ft)						Note							
Gamma						43.29						Gordon Technologies							
Directional						53.56						Gordon Technologies							
-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --																			
Lower Deflection Type Fixed								Lower Deflection Amount 1.25				Rotor Nozzle Diameter (in) 2.000							
-- KICKS --																			
Kick Date		Kick Depth (ftKB)		Control Date		Control Depth (ftKB)		Class	P SIDP (psi)	P SIC (psi)	Vol Kick (bbl)		Kill Notes						
-- MUD ADDITIVES --																			
Des				Date		Rec		Consumed		Returned		Rec		Consumed		Returned		On Loc	
24 Hour Service				11/9/2023		1.0		1.0				8.0		8.0		0.0		0.0	
Aluminum Stearate				11/9/2023				2.0				31.0		13.0		0.0		18.0	
Blower Rental				11/9/2023		2.0		2.0				16.0		16.0		0.0		0.0	
Pac LV				11/9/2023				4.0				87.0		41.0		0.0		46.0	
Poly Gen				11/9/2023				4.0				131.0		49.0		0.0		82.0	
Poly Vis II				11/9/2023				1.0				28.0		7.0		0.0		21.0	
Retention Bonus (Will)				11/9/2023		1.0		1.0				8.0		8.0		0.0		0.0	
Soda Ash				11/9/2023				4.0				145.0		51.0		0.0		94.0	
Sodium Sulfite				11/9/2023				2.0				115.0		45.0		0.0		70.0	
Xanthan 25#				11/9/2023				4.0				160.0		57.0		0.0		103.0	
-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)																			
Fluid Type		Fluid Sub Type				Source				Vol to Lease (bbl)		Vol from Lease (bbl)		Dest					
-- JOB SUPPLIES -- (Fuel)																			
Date		Supply Item Des		Vendor		Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz				
11/10/2023		Fuel				Diesel		2,556.0		27,643.0	18,571.0	0.0	9,072.0	gal US					
-- LOST CIRCULATION --																			
Start Date		End Date		Ops In Prog				Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)		Com						
-- SURVEY DATA --																			
MD (ftKB)		Incl (°)		Azim (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		Build (°/100ft)		Turn (°/100ft)	
18,662.00		90.01		343.81		9,054.87		9,970.60		9,416.74		-3,277.11		0.85		0.85		-0.01	
18,757.00		90.74		343.67		9,054.25		10,065.50		9,507.94		-3,303.71		0.78		0.77		-0.15	
18,852.00		88.87		343.18		9,054.58		10,160.41		9,598.98		-3,330.81		2.03		-1.97		-0.52	
18,947.00		87.58		346.04		9,057.52		10,255.16		9,690.52		-3,356.00		3.30		-1.36		3.01	
19,223.00		87.58		346.04		9,069.17		10,529.87		9,958.13		-3,422.53		0.00		0.00		0.00	
-- FORMATION TOPS --																			
Wellbore Name				CWS Borehole ID				Formation Name				Drill Top MD (ftKB)				Drill Top (TVD) (ftKB)			
-- WELLBORE SECTIONS --																			
Section Des				Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)		Section Spud Date				Section TD Date					
Conductor				30		30.0		70.0											
Surface				16		70.0		1,875.0											
Intermediate				11		1,875.0		7,520.0		11/2/2023				11/4/2023					
Production				7 7/8		7,520.0				11/5/2023									
-- LAST CASING RUN --																			
Csg Des		Run Date		Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade		Top Thread					
Intermediate 1		11/4/2023 23:00		7,500.0				8 5/8		32.00		J-55		Buttress Thread					
-- LOT & FIT TEST --																			
Test Type		Test Date		Last Casing String Run		Formation Tested		Le...	Fluid Type			Dens Fl...	Vol Pum...	Comment					
-- SHAKER SCREENS --																			
Deck Number		Screen Number		Screen Size X		Start Date				End Date				Drilling Time (hr)					
-- BOP --																			
Start Date		End Date		Description		P Range (psi)		Nom ID (in)	Class			Service		Last Cert Date		Height (ft)	Clear (ft)		
-- BOP COMPONENTS --																			
Type Annular-nonrotating	Make NOV					Serial Number 20007764-1715				P Range (psi) 5,000.0		Nominal ID (in) 13 5/8		Body Type SXX					
Type Double	Make Cameron					Serial Number 113074712-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type					
Type Mud Cross	Make Cameron					Serial Number J2142-10				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type					
Type Pipe ram-var. bore	Make Cameron					Serial Number 113075179-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type					
Type Spool	Make Cameron					Serial Number				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type					



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 8.0, DFS: 7.58
Report Start Date: 11/9/2023 06:00
Report End Date: 11/10/2023 06:00
Depth Progress: 1,784.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692	
Orig KB Elev (ft) 3,060.00	Gr Elev (ft) 3,030.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,520.0		Total Depth (TVD) (ftKB) Original Hole - 7,387.5		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date		

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/9/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops
11/9/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	11/2/2023 06:00		5 1/2	6,300.0	0.077
2	11/2/2023 06:00		5 1/2	6,300.0	0.077
3	11/2/2023 06:00			6,300.0	0.077

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0

-- REMARKS --	
Remarks Well Control: *Last BOP Drill: 11/10/23 *Last Trip Drill: 11/10/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: Tested *Intermediate Casing Tested to 1500 psi on: 11/5/23 *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test: Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/1/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:	



Daily Drilling (Partner)

Well Name: UL CHEESMAN 5E 1HC

Report #: 9.0, DFS: 8.58

Report Start Date: 11/10/2023 06:00

Report End Date: 11/11/2023 06:00

Depth Progress: 297.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692			
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,520.0		Total Depth (TVD) (ftKB) Original Hole - 9,059.7		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 55,000
AFE Number 23216260D	Job AFE Amt (Cost) \$5,906,800	Total AFE Supplemental Amount (Cost) \$0	Total AFE + Supp Amount (Cost) 5,906,800.00	Total Final Invoice (Cost) \$65,080

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 19,223.0	Start Depth (TVD) (ftKB) 9,056.7	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$9,966	Daily Field Est Total (Cost) \$86,100
End Depth (ftKB) 19,520.0	End Depth (TVD) (ftKB) 9,059.7	Cum Problem Time Days (days) 0.979	Cum Percent Problem Time (%) 10.88	Cum Mud Field Est (Cost) \$71,765	Cum Field Est To Date (Cost) \$1,919,110
Target Depth (MD) (ftKB) 19,581.0	Target Formation Middle Spraberry	Hole Condition Fair	Weather Overcast	Temperature (°F) 52.0	Road Condition Muddy

24 Hr Summary
Drilled from 19223' to 19520' (297' drilled in 2 hrs @ avg ROP of 148.5 fph). Rotate 297' in 2 hrs @ 148.5 fph. Lateral drilled past 80 deg = 10110'. Lateral remaining = 0'. Last survey @19465' Inc. 88.89, Azm. 348.90. Below 3.0' Right 2.1'. Circ 3-50bbl high visc sweeps around. Wash first stand F/19520' T/19425'. TOO H F/19425' T/19062'. Spot 600bbl bead pill, pump slug. TOO H F/19062' T/15825'.Rig Service, C/O broke dovetail bolts ST-80.TOO H F/15825' T/BHA & L/D directional tools. Pull wear bushing, PJSM R/U csg equip.Run 5-1/2" P-110EC 19.00# Sprint TC Prod. Csg. T/10943' M/U X-O & run 6" P-110 RY 22.3# Sprint TC csg F/10943' T/11310'

Notified TRRC: Operator 21-Elaine @ 1:45 on 11/10/23 of intent to run & cement 5.5"/6" prod csg.

AM Ops Running 5.5"/6" prod csg @11310'								Ops Forecast Run 5.5"/6" prod csg & cement.							
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
890.00				890.00											

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
11/10/2023 21:00	Water based	Active	19,520.0	9.30	30	5.0	5.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	1.000	2.000	17.8	1	8.5	7.0	5.5	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
91.0	2.0					34,000.000	2	0.0

-- INTERVAL PROBLEMS (NPT) --								
Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...	End Depth (f...	Description	Ref #

-- TIMELOG --															
Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com	Prob Ref #					
Drlg Prod	Drill Hz	06:00	08:00	2.00	2.00	Drill - Rotat e	19,223.0	19,520.0	Rotate from 19223' to 19520' (297' drilled @ 148.5 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4350 psi, Diff = 750 psi, RPM = 70, Torque = 33 kft-lbs, MM RPM = 192, Total bit RPM = 262.						
Flat Prod	Cond Trip	08:00	10:30	2.50	4.50	Circ & Cond Mud	19,520.0	19,520.0	Circ 3-50bbl high visc sweeps around.						
Flat Prod	Cond Trip	10:30	11:00	0.50	5.00	Trip	19,520.0	19,520.0	Wash first stand F/19520' T/19425'. TOO H F/19425' T/19062'						
Flat Prod	Cond Trip	11:00	12:30	1.50	6.50	Circ & Cond Mud	19,520.0	19,520.0	Spot 600bbl bead pill, pump slug.						
Flat Prod	Cond Trip	12:30	14:00	1.50	8.00	Trip	19,520.0	19,520.0	TOOH F/19062' T/15825'						
Flat Prod	Cond Trip	14:00	14:30	0.50	8.50	Rig Servi ce	19,520.0	19,520.0	Rig Service, C/O broke dovetail bolts ST-80						
Flat Prod	Cond Trip	14:30	20:30	6.00	14.50	Trip	19,520.0	19,520.0	TOOH F/15825' T/BHA						
Flat Prod	Cond Trip	20:30	21:00	0.50	15.00	Handl e Tools	19,520.0	19,520.0	L/D Directional tools						
Flat Prod	Cond Trip	21:00	21:30	0.50	15.50	Other	19,520.0	19,520.0	Retrieve wear bushing.						
Flat Prod	Case & Cement	21:30	22:00	0.50	16.00	Run Casin g	19,520.0	19,520.0	PJSM. R/U casing equipment.						
Flat Prod	Case & Cement	22:00	06:00	8.00	24.00	Run Casin g	19,520.0	19,520.0	Run 5-1/2" P-110EC 19.00# Sprint TC Prod. Csg. T/10943' Swap tools to 6", M/U X-O run 6" P-110RY 22.3# Sprint TC F/10943' T/11310'						

-- DRILL BITS -- (BHA #6 SUMMARY) Lateral													
Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out	
6	PDC	7 7/8	Ulterra	XP616	68535	1.0300 0000	17,439. 0	19,520. 0	2,081.0	16.00	130.1	0-1-NO-A-X-0-NO-TD	

-- BHA --														
Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	
525	Drill Pipe	S135	5 1/2	4.778	16,545.07	19,520.00	21.90	362,337.0	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.81	2,974.93			Delta 544	XO	Delta544 x 4 1/2 IF			
1	Agitator		6 3/4	2.75	22.19	2,971.12	101.00	2,241.2	IF	Agitator	4 1/2 IF x 4 1/2 IF			
1	XO Sub		7	2.68	4.02	2,948.93			IF	XO	4 1/2 IF x Delta544			
90	Drill Pipe	S135	5 1/2	4.778	2,845.63	2,944.91	21.90	62,319.3	Delta 544	Drill pipe	Delta544 x Delta544			
1	XO Sub		7	2.68	3.91	99.28			Delta 544	XO	Delta544 x 4 1/2 IF			
1	NMDC		6 1/2	3.25	29.94	95.37			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 1/2	3.25	30.42	65.43			IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6.483	3.0	2.00	35.01			IF	Drill Collar	4 1/2 IF x 4 1/2 IF			



Daily Drilling (Partner)
Well Name: UL CHEESMAN 5E 1HC

Report #: 9.0, DFS: 8.58
Report Start Date: 11/10/2023 06:00
Report End Date: 11/11/2023 06:00
Depth Progress: 297.0

API/UWI 42003487980000		Well Type Oil		Asset Permian		Sub Asset 1 Martin/Andrews		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300028692													
Orig KB Elev (ft) 3,060.00		Gr Elev (ft) 3,030.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,520.0		Total Depth (TVD) (ftKB) Original Hole - 9,059.7		Latitude (decimal) (°) 32.38985880		Longitude (decimal) (°) -102.35268350		Spud Date 11/2/2023		Final Rig Release Date											
-- BHA --																											
Jts		Item Des		Grade		OD (in)		ID (in)		Len (ft)		Cum Len (ft)		Mass/Len (lb/ft)		Wt (lbf)		Top Thread		Icon		Connections		Gauge (in)		Drift (in)	
1		7/8:L 5.6:S @.35				7		2.5		32.01		33.01						IF		Motor 2		4 1/2 IF x 4 1/2 Reg					
-- DOWNHOLE SENSORS --																											
Sensor Type						Sensor-Bit (ft)						Note															
Gamma						43.29						Gordon Technologies															
Directional						53.56						Gordon Technologies															
-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --																											
Lower Deflection Type Fixed								Lower Deflection Amount 1.25						Rotor Nozzle Diameter (in) 2.000													
-- KICKS --																											
Kick Date		Kick Depth (ftKB)		Control Date		Control Depth (ftKB)		Class		P SIDP (psi)		P SIC (psi)		Vol Kick (bbl)		Kill Notes											
-- MUD ADDITIVES --																											
Des				Date				Rec		Consumed		Returned		Rec		Consumed		Returned		On Loc							
24 Hour Service				11/10/2023				1.0		1.0				9.0		9.0		0.0		0.0							
Barite (Bulk)				11/10/2023				22.43		8.0				57.43		23.0		0.0		34.43							
Blower Rental				11/10/2023				2.0		2.0				18.0		18.0		0.0		0.0							
Freight				11/10/2023				1,148.92		1,148.92				1,148.92		1,148.92		0.0		0.0							
GenShield				11/10/2023						25.0				330.0		75.0		0.0		255.0							
Pac LV				11/10/2023						8.0				87.0		49.0		0.0		38.0							
Poly Gen				11/10/2023						8.0				131.0		57.0		0.0		74.0							
Poly Vis II				11/10/2023						2.0				28.0		9.0		0.0		19.0							
Retention Bonus (Will)				11/10/2023				1.0		1.0				9.0		9.0		0.0		0.0							
Soda Ash				11/10/2023						8.0				145.0		59.0		0.0		86.0							
Sodium Sulfite				11/10/2023						4.0				115.0		49.0		0.0		66.0							
Xanthan 25#				11/10/2023						8.0				160.0		65.0		0.0		95.0							
-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)																											
Fluid Type		Fluid Sub Type				Source				Vol to Lease (bbl)		Vol from Lease (bbl)		Dest													
-- JOB SUPPLIES -- (Fuel)																											
Date		Supply Item Des		Vendor		Type		Received		Consumed		Returned		Cum Received		Cum Consumed		Cum Returned		Cum On Loc		Unit Label		Unit Sz			
11/11/2023		Fuel				Diesel				1,545.0				27,643.0		20,116.0		0.0		7,527.0		gal US					
-- LOST CIRCULATION --																											
Start Date		End Date		Ops In Prog				Top (ftKB)		Btm (ftKB)		Q Lost (bbl/hr)		Vol Lost Tot (bbl)		Com											
-- SURVEY DATA --																											
MD (ftKB)		Incl (°)		Azm (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		Build (°/100ft)		Turn (°/100ft)									
19,137.00		91.16		349.43		9,057.19		10,443.22		9,876.83		-3,392.90		0.57		0.35		-0.45									
19,231.00		89.40		349.33		9,056.73		10,536.29		9,969.21		-3,410.22		1.88		-1.87		-0.11									
19,421.00		89.76		348.85		9,058.12		10,724.54		10,155.77		-3,446.18		0.32		0.19		-0.25									
19,465.00		88.89		348.90		9,058.64		10,768.16		10,198.94		-3,454.67		1.98		-1.98		0.11									
19,520.00		88.89		348.90		9,059.71		10,822.67		10,252.91		-3,465.26		0.00		0.00		0.00									
-- FORMATION TOPS --																											
Wellbore Name				CWS Borehole ID				Formation Name				Drill Top MD (ftKB)				Drill Top (TVD) (ftKB)											
-- WELLBORE SECTIONS --																											
Section Des				Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)		Section Spud Date				Section TD Date													
Conductor				30		30.0		70.0																			
Surface				16		70.0		1,875.0																			
Intermediate				11		1,875.0		7,520.0		11/2/2023				11/4/2023													
Production				7 7/8		7,520.0		19,520.0		11/5/2023				11/10/2023													
-- LAST CASING RUN --																											
Csg Des		Run Date				Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade		Top Thread											
Intermediate 1		11/4/2023 23:00				7,500.0				8 5/8		32.00		J-55		Buttress Thread											
-- LOT & FIT TEST --																											
Test Type		Test Date		Last Casing String Run				Formation Tested				Le...		Fluid Type		Dens Fl...		Vol Pum...		Comment							
-- SHAKER SCREENS --																											
Deck Number		Screen Number		Screen Size X				Start Date				End Date				Drilling Time (hr)											
-- BOP --																											
Start Date		End Date		Description				P Range (psi)		Nom ID (in)		Class		Service		Last Cert Date		Height (ft)		Clear (ft)							
-- BOP COMPONENTS --																											
Type Annular-nonrotating		Make NOV				Serial Number 20007764-1715				P Range (psi) 5,000.0		Nominal ID (in) 13 5/8		Body Type SXX													
Type Double		Make Cameron				Serial Number 113074712-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type													
Type Mud Cross		Make Cameron				Serial Number J2142-10				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type													
Type Pipe ram-var. bore		Make Cameron				Serial Number 113075179-01				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type													
Type Spool		Make Cameron				Serial Number				P Range (psi) 10,000.0		Nominal ID (in) 13 5/8		Body Type													



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-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
11/10/2023 06:00	Safety Meeting/JSA	Day	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Tripping & Drilling Ops
11/10/2023 17:45	Safety Meeting/JSA	Night	Pre-tour	Driving. Housekeeping. Wildlife. - Safety discussion: Drilling & Tripping Ops - Hand & Body Placement

-- SAFETY INCIDENTS --		
Date	Type	IMS Plus Incident #

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
2	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2
3	11/2/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5 1/2

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	11/2/2023 06:00		5 1/2	6,300.0	0.077
2	11/2/2023 06:00		5 1/2	6,300.0	0.077
3	11/2/2023 06:00			6,300.0	0.077

-- SLOW PUMP RATES --						
Pump #	Date	Depth (ftKB)	Strokes (spm)	Q Flow (gpm)	P (psi)	Eff (%)

-- WELLHEADS --					
Type	Make	Working Pressure (psi)	Max Pres (psi)	Size (in)	Start Date

-- PERSONNEL LOG --		
Type	Company	Count
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	2
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0

-- REMARKS --	
Remarks Well Control: *Last BOP Drill: 11/10/23 *Last Trip Drill: 11/10/23 *Annular Element: 10/14/23 *Surface Casing Tested to 1,500 psi on: Tested *Intermediate Casing Tested to 1500 psi on: 11/5/23 *Last BOP Test: 11/2/23 *Next BOP Test: 11/23/23 *Drops inspection 10/22/23 *BOP Mini Test: Tubulars: *731 Jts 5-1/2" Delta 544 21.9# DP (Knight Oil Tools) *12 Jts 5-1/2" Delta 544 HWDP (Knight Oil Tools) *9 jts 6-3/4" DC's on location-rental (Knight Oil Tools) *9 jts 8" DC's (H&P) *Last BHA Inspection: 10/1/23 *Last 5" Delta 544 DP inspection: 9/01/23 *Saver sub changed: 9/7/23 - Delta 544 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues:	