



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 3.0, DFS:
Report Start Date: 4/29/2023 06:00
Report End Date: 4/30/2023 07:30
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB)			Latitude (decimal) (°)		Longitude (decimal) (°)		Spud Date		Final Rig Release Date

-- RIG --															
Contractor Valor				Rig Number 247			Rig Type				Max Hook Load (1000lbf)			Max Torque (ft*lb)	
AFE Number 23213328D				Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0				Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$147,942	

-- OPERATIONS SUMMARY --															
Start Depth (ftKB) 1,877.0		Start Depth (TVD) (ftKB)			Problem Time Hours (hr) 0.00			Percent Problem Time (%) 0.00			Daily Mud Field Est (Cost)			Daily Field Est Total (Cost) \$3,500	
End Depth (ftKB) 1,877.0		End Depth (TVD) (ftKB)			Cum Problem Time Days (days) 0.000			Cum Percent Problem Time (%) 0.00			Cum Mud Field Est (Cost)			Cum Field Est To Date (Cost) \$575,754	
Target Depth (MD) (ftKB)		Target Formation Lower Lower Spraberry			Hole Condition			Weather			Temperature (°F)			Road Condition	

24 Hr Summary R/D and release rig. Notified Sara with TRRC @ 9:30 4-21-23 Job# 345632															
AM Ops Release Rig.								Ops Forecast Release Rig							

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

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	

-- 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 #
Rig Down	Rig Down	06:00	07:30	1.50	1.50	Rig Down / Up	1,877.0	1,877.0	Cut CSG and R/D. **** NOTE - Wellhead installed and tested to 565 psi **** NOTE - Csg tested to 1500 psi **** NOTE - Cellar cemented to baseplate						

-- DRILL BITS -- (BHA #<BHA #?> SUMMARY) <Drill String Name?>															
Bit Run	Type	Size (in)	Make		Model		SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out	

-- BHA --															
Jts	Item Des		Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lb/ft)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)	

-- DOWNHOLE SENSORS --															
Sensor Type					Sensor-Bit (ft)					Note					

-- 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		

-- 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	

-- 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)	

-- 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	
Intermediate					11										
Production					7 7/8										
Conductor					30		30.0		70.0		4/12/2023			4/12/2023	
Surface					16		70.0		1,877.0		4/27/2023			4/28/2023	

-- LAST CASING RUN --															
Csg Des			Run Date			Set Depth (ftKB)			OD (in)		Wt/Len (lb/ft)		Grade		Top Thread
Surface			4/28/2023 21:00			1,872.0			13 3/8		54.50		J-55		

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



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 3.0, DFS:

Report Start Date: 4/29/2023 06:00

Report End Date: 4/30/2023 07:30

Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB)			Latitude (decimal) (°)		Longitude (decimal) (°)		Spud Date	Final Rig Release Date	

-- SHAKER SCREENS --

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

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

Type	Make			Serial Number			P Range (psi)	Nominal ID (in)	Body Type			
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-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)

Date	Type		Tour	Des	Com		

-- SAFETY INCIDENTS --

Date			Type				IMS Plus Incident #		

-- MUD PUMPS --

Pump #	Start Date		End Date		Make	Model	Pwr (hp)		Stroke (in)	Rod Dia (in)	

-- PUMP OPERATIONS --

Pump #	Start Date		End Date		Liner Size (in)		P Max (psi)		Vol/Stk OR (bbl/stk)		

-- 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	
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-- PERSONNEL LOG --

Type					Company					Count

-- REMARKS --

Remarks



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 4.0, DFS: 0.35

Report Start Date: 6/3/2023 06:00

Report End Date: 6/4/2023 06:00

Depth Progress: 2,377.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 4,254.0		Total Depth (TVD) (ftKB) Original Hole - 4,243.6		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$526,154		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 1,877.0	Start Depth (TVD) (ftKB) 1,876.9	Problem Time Hours (hr) 1.50	Percent Problem Time (%) 6.25	Daily Mud Field Est (Cost) \$2,710	Daily Field Est Total (Cost) \$292,098
End Depth (ftKB) 4,254.0	End Depth (TVD) (ftKB) 4,243.6	Cum Problem Time Days (days) 0.063	Cum Percent Problem Time (%) 2.24	Cum Mud Field Est (Cost) \$2,710	Cum Field Est To Date (Cost) \$856,032
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 69.0	Road Condition Fair
24 Hr Summary Skid Rig F/Hilltop 37D 5HF; N/U BOPE; R/D CRT & Casing Equip.; Test BOPE; P/U BHA; Safety Stand-down - Forklift contacting powerlines; P/U BHA; TIH F/1,827; Drlg. Cement & Float Equip. F/1,827' - 1,877'; Drilled from 1877' to 4254' (2377' drilled in 8.5 hrs @ avg ROP of 279.6 fph). Rotate 2292' in 6.5 hrs @ 352.6 fph. Slide 85' in 2 hrs @ 42.5 fph.					
AM Ops Drlg. 11" Int. @ 4,245'		Ops Forecast Drlg. ahead as per well plan #3			

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
58.00			58.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)					
6/3/2023 20:00	Water based	Active		1,877.0	10.00	28	1.0	3.000						
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)		Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)					
						7.5	11.0	3.5						
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)					
89.0							15,100.000	1	0.0					

-- INTERVAL PROBLEMS (NPT) --														
Problem Type EHS Incident	Problem Subtype	Dur (Net) (hr) 1.00	Start Date 6/3/2023 16:30	End Date 6/3/2023 17:30	Start Depth (... 1,877.0	End Depth (f... 1,877.0	Description Safety Stand-down - Forklift contacting powerlines					Ref # 1		
Problem Type Surface Equipment	Problem Subtype	Dur (Net) (hr) 0.50	Start Date 6/3/2023 20:30	End Date 6/3/2023 21:00	Start Depth (... 1,877.0	End Depth (f... 1,877.0	Description C/O fill up line check valve on BOP					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 Surf	Skid	06:00	07:30	1.50	1.50	Rig Move	1,877.0	1,877.0	Skid Rig F/Hilltop 37D 5HF					
Flat Surf	BOP/WH/ Drillout	07:30	08:00	0.50	2.00	BOP	1,877.0	1,877.0	N/U BOPE					
Flat Surf	BOP/WH/ Drillout	08:00	09:00	1.00	3.00	Other	1,877.0	1,877.0	R/D CRT & Casing Equip.					
Flat Surf	BOP/WH/ Drillout	09:00	14:00	5.00	8.00	BOP	1,877.0	1,877.0	Test BOPE: Annular Preventer: 250L - 3,500H Top Pipe Rams: 250L - 5,000H Blind Rams: 250L - 5,000H Bottom Pipe Rams: 250L - 5,000H Kill, Manual, & HCR Valves: 250L - 5,000H Choke Manifold: 250L - 5,000H Floor Valves: 250L - 5,000H Back to Mud Pumps: 250L - 5,000H **All tests were performed w/ H2O & held for 5 mins**					
Flat Surf	BOP/WH/ Drillout	14:00	14:30	0.50	8.50	Other	1,877.0	1,877.0	Install Wear Bushing					
Flat Surf	BOP/WH/ Drillout	14:30	15:00	0.50	9.00	Rig Service	1,877.0	1,877.0	Rig Service					
Flat Surf	BOP/WH/ Drillout	15:00	16:30	1.50	10.50	Handle Tools	1,877.0	1,877.0	P/U Directional Int. BHA					
Flat Surf	BOP/WH/ Drillout	16:30	17:30	1.00	11.50	Other	1,877.0	1,877.0	Safety Stand-down - Forklift contacting powerlines				1	
Flat Surf	BOP/WH/ Drillout	17:30	19:00	1.50	13.00	Handle Tools	1,877.0	1,877.0	P/U Directional Int. BHA					
Flat Surf	BOP/WH/ Drillout	19:00	20:30	1.50	14.50	Trip	1,877.0	1,877.0	TIH T/1,827'					
Flat Surf	BOP/WH/ Drillout	20:30	21:00	0.50	15.00	Repair Other	1,877.0	1,877.0	C/O fill up line check valve on BOP				2	
Flat Surf	BOP/WH/ Drillout	21:00	21:30	0.50	15.50	Drill - Other	1,877.0	1,877.0	Drlg. Cement and Float Equip. F/1,827' - 1,877'					
Drlg Int 1	Drill	21:30	22:00	0.50	16.00	Drill - Rotate	1,877.0	1,967.0	Rotate from 1877' to 1967' (90' drilled @ 180 fph). WOB = 27 klbs, Q = 600 gpm, SPP = 1700 psi, Diff = 700 psi, RPM = 70, Torque = 10 kft-lbs, MM RPM = 108, Total bit RPM = 178.					
Drlg Int 1	Drill	22:00	22:30	0.50	16.50	Drill - Slide	1,967.0	1,992.0	Slide from 1967' to 1992' (25' drilled @ 50 fph). WOB = 20 klbs, Q = 700 gpm, SPP = 1700 psi, Diff = 300 psi, MM RPM = 126, TFO = 210M.					
Drlg Int 1	Drill	22:30	23:30	1.00	17.50	Drill - Rotate	1,992.0	2,260.0	Rotate from 1992' to 2260' (268' drilled @ 268 fph). WOB = 40 klbs, Q = 900 gpm, SPP = 3100 psi, Diff = 900 psi, RPM = 80, Torque = 10 kft-lbs, MM RPM = 162, Total bit RPM = 242.					
Drlg Int 1	Drill	23:30	00:00	0.50	18.00	Drill - Slide	2,260.0	2,275.0	Slide from 2260' to 2275' (15' drilled @ 30 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 2800 psi, Diff = 300 psi, MM RPM = 180, TFO = 200M.					
Drlg Int 1	Drill	00:00	02:00	2.00	20.00	Drill - Rotate	2,275.0	3,225.0	Rotate from 2275' to 3225' (950' drilled @ 475 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 3600 psi, Diff = 900 psi, RPM = 80, Torque = 15 kft-lbs, MM RPM = 180, Total bit RPM = 260.					



Daily Drilling (Partner)
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Report Start Date: 6/3/2023 06:00
Report End Date: 6/4/2023 06:00
Depth Progress: 2,377.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 4,254.0		Total Depth (TVD) (ftKB) Original Hole - 4,243.6		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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	02:00	02:30	0.50	20.50	Drill - Slide	3,225.0	3,250.0	Slide from 3225' to 3250' (25' drilled @ 50 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 2800 psi, Diff = 300 psi, MM RPM = 180, TFO = 203M.				
Drlg Int 1	Drill	02:30	03:30	1.00	21.50	Drill - Rotat e	3,250.0	3,605.0	Rotate from 3250' to 3605' (355' drilled @ 355 fph). WOB = 35 klbs, Q = 1000 gpm, SPP = 3800 psi, Diff = 900 psi, RPM = 75, Torque = 18 kft-lbs, MM RPM = 180, Total bit RPM = 255.				
Drlg Int 1	Drill	03:30	04:00	0.50	22.00	Drill - Slide	3,605.0	3,625.0	Slide from 3605' to 3625' (20' drilled @ 40 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 3300 psi, Diff = 300 psi, MM RPM = 180, TFO = 203M.				
Drlg Int 1	Drill	04:00	06:00	2.00	24.00	Drill - Rotat e	3,625.0	4,254.0	Rotate from 3625' to 4254' (629' drilled @ 314.5 fph). WOB = 35 klbs, Q = 1000 gpm, SPP = 3800 psi, Diff = 900 psi, RPM = 75, Torque = 18 kft-lbs, MM RPM = 180, Total bit RPM = 255.				

-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate												
Bit Run 2	Type PDC	Size (in) 11	Make Ulterra	Model WAV616	SN 65970	Bit TFA... 1.3500 0000	Depth In... 1,877.0	Depth O... 4,254.0	Drilled (ft) 2,377.0	Drill Tim... 8.50	Avg RO... 279.6	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)
107	Drill Pipe	S135	5	4.276	3,416.42	4,254.00	19.50	66,620.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
9	HWDP		5	3.063	271.60	837.58	49.30	13,389.9	Delta 527	Drill pipe - heavyweight	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6.53	3.25	4.00	565.98	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
6	Drill Collar		6 3/4	3.0	176.97	561.98	108.19	19,146.4	IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 3/4	2.875	4.04	385.01	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	3.0	268.77	380.97	146.49	39,372.1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.938	3.16	112.20	146.49	462.9	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	NMDC		7.95	3.75	28.19	109.04	146.49	4,129.6	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.1	3.75	30.76	80.85	146.49	4,506.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.53	2.58	50.09	146.49	377.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		8 1/16	2.813	4.78	47.51	146.49	700.2	Reg	Stabilizer 10-1/2"	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.23	42.73	146.49	6,039.8	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					57.93					Gordon Technologies			
Directional					70.00					Gordon Technologies			

-- 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	6/4/2023	0.0			1.0	1.0	0.0	0.0
24 Hour Service	6/4/2023	1.0	1.0		1.0	1.0	0.0	0.0
3% Discount	6/4/2023	0.0			0.0	0.0	0.0	0.0
Aluminum Stearate	6/4/2023	27.0			27.0	0.0	0.0	27.0
Aquasol 325	6/4/2023	0.0			0.0	0.0	0.0	0.0
Barite (Bulk)	6/4/2023	22.2			22.2	0.0	0.0	22.2
Barite (Sack)	6/4/2023	160.0			160.0	0.0	0.0	160.0
Bentonite (Bulk)	6/4/2023	14.0			14.0	0.0	0.0	14.0
Blower Rental	6/4/2023	0.0			2.0	2.0	0.0	0.0
Blower Rental	6/4/2023	2.0	2.0		2.0	2.0	0.0	0.0
Bulk Tank Rental	6/4/2023	0.0			4.0	4.0	0.0	0.0
Bulk Tank Rental	6/4/2023	4.0	4.0		4.0	4.0	0.0	0.0
Calcium Carbonate	6/4/2023	101.0			101.0	0.0	0.0	101.0
Cedar Fiber	6/4/2023	374.0			374.0	0.0	0.0	374.0
Clean Lube	6/4/2023	1,590.0			1,590.0	0.0	0.0	1,590.0
Cottonseed Hulls	6/4/2023	78.0			78.0	0.0	0.0	78.0
Defoamer	6/4/2023	0.0			0.0	0.0	0.0	0.0
Desco	6/4/2023	6.0			6.0	0.0	0.0	6.0
Diaseal M	6/4/2023	100.0			100.0	0.0	0.0	100.0
Forklift	6/4/2023	0.0			0.0	0.0	0.0	0.0
Free Pipe	6/4/2023	24.0			24.0	0.0	0.0	24.0
Freight	6/4/2023	0.0			0.0	0.0	0.0	0.0
Gamma LS	6/4/2023	0.0			0.0	0.0	0.0	0.0
GenSeal M	6/4/2023	0.0			0.0	0.0	0.0	0.0
GenShield	6/4/2023	0.0			0.0	0.0	0.0	0.0
GenWet	6/4/2023	255.0			255.0	0.0	0.0	255.0
GS Seal Plus	6/4/2023	0.0			0.0	0.0	0.0	0.0
LC Lube	6/4/2023	0.0			0.0	0.0	0.0	0.0



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 4.0, DFS: 0.35
Report Start Date: 6/3/2023 06:00
Report End Date: 6/4/2023 06:00
Depth Progress: 2,377.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 4,254.0		Total Depth (TVD) (ftKB) Original Hole - 4,243.6		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date		

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
6/3/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/3/2023 16:30	Safety Meeting/JSA	Both	Safety Stand-down	Forklift in powerline incident
6/3/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/1/23 *Last Trip Drill: 6/1/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: N/A *Last BOP Test: 6/3/23 *Next BOP Test: 6/24/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *295 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Quail Rental) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 5/19/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location •Mud lines have rusted out spot on tanks need replaced.	



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 5.0, DFS: 1.35

Report Start Date: 6/4/2023 06:00

Report End Date: 6/5/2023 06:00

Depth Progress: 2,956.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,210.0		Total Depth (TVD) (ftKB) Original Hole - 7,187.1			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$526,154		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 4,254.0	Start Depth (TVD) (ftKB) 4,243.7	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$4,556	Daily Field Est Total (Cost) \$91,900
End Depth (ftKB) 7,210.0	End Depth (TVD) (ftKB) 7,187.1	Cum Problem Time Days (days) 0.063	Cum Percent Problem Time (%) 1.65	Cum Mud Field Est (Cost) \$7,266	Cum Field Est To Date (Cost) \$947,932
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 70.0	Road Condition Fair
24 Hr Summary Drilled from 4254' to 7210' (2956' drilled in 22.5 hrs @ avg ROP of 131.4 fph). Rotate 2653' in 15.5 hrs @ 171.2 fph. Slide 303' in 7 hrs @ 43.3 fph.; Circ. Hole Clean					
AM Ops Circ. Hole Clean & Pump Slug			Ops Forecast TOH; R/U & Run 8-5/8" Casing; Cement Same		

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)		
59.00				59.00										

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
6/4/2023 20:00	Water based	Active	6,210.0	10.10	28	1.0	3.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
					7.5	11.5	10.8	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
88.5						145,000.000	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	07:00	1.00	1.00	Drill - Rotat e	4,254.0	4,272.0	Rotate from 4254' to 4272' (18' drilled @ 18 fph). WOB = 35 klbs, Q = 735 gpm, SPP = 2750 psi, Diff = 750 psi, RPM = 75, Torque = 17 kft-lbs, MM RPM = 132, Total bit RPM = 207.			
Drlg Int 1	Drill	07:00	08:00	1.00	2.00	Drill - Slide	4,272.0	4,312.0	Slide from 4272' to 4312' (40' drilled @ 40 fph). WOB = 25 klbs, Q = 735 gpm, SPP = 2250 psi, Diff = 350 psi, MM RPM = 132, TFO = 230M.			
Drlg Int 1	Drill	08:00	10:30	2.50	4.50	Drill - Rotat e	4,312.0	4,744.0	Rotate from 4312' to 4744' (432' drilled @ 172.8 fph). WOB = 45 klbs, Q = 735 gpm, SPP = 2600 psi, Diff = 700 psi, RPM = 80, Torque = 15 kft-lbs, MM RPM = 132, Total bit RPM = 212.			
Drlg Int 1	Drill	10:30	11:30	1.00	5.50	Drill - Slide	4,744.0	4,794.0	Slide from 4744' to 4794' (50' drilled @ 50 fph). WOB = 24 klbs, Q = 735 gpm, SPP = 2300 psi, Diff = 350 psi, MM RPM = 132, TFO = 230M.			
Drlg Int 1	Drill	11:30	15:00	3.50	9.00	Drill - Rotat e	4,794.0	5,504.0	Rotate from 4794' to 5504' (710' drilled @ 202.9 fph). WOB = 50 klbs, Q = 800 gpm, SPP = 3300 psi, Diff = 950 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	15:00	16:30	1.50	10.50	Drill - Slide	5,504.0	5,564.0	Slide from 5504' to 5564' (60' drilled @ 40 fph). WOB = 24 klbs, Q = 800 gpm, SPP = 2600 psi, Diff = 250 psi, MM RPM = 144, TFO = 220M.			
Drlg Int 1	Drill	16:30	19:00	2.50	13.00	Drill - Rotat e	5,564.0	6,070.0	Rotate from 5564' to 6070' (506' drilled @ 202.4 fph). WOB = 50 klbs, Q = 800 gpm, SPP = 3100 psi, Diff = 800 psi, RPM = 80, Torque = 18 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	19:00	20:00	1.00	14.00	Drill - Slide	6,070.0	6,100.0	Slide from 6070' to 6100' (30' drilled @ 30 fph). WOB = 24 klbs, Q = 800 gpm, SPP = 2600 psi, Diff = 250 psi, MM RPM = 144, TFO = 205M.			
Drlg Int 1	Drill	20:00	20:30	0.50	14.50	Drill - Rotat e	6,100.0	6,165.0	Rotate from 6100' to 6165' (65' drilled @ 130 fph). WOB = 48 klbs, Q = 800 gpm, SPP = 3100 psi, Diff = 800 psi, RPM = 80, Torque = 18 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	20:30	21:00	0.50	15.00	Drill - Slide	6,165.0	6,190.0	Slide from 6165' to 6190' (25' drilled @ 50 fph). WOB = 24 klbs, Q = 800 gpm, SPP = 2600 psi, Diff = 250 psi, MM RPM = 144, TFO = 205M.			
Drlg Int 1	Drill	21:00	23:00	2.00	17.00	Drill - Rotat e	6,190.0	6,725.0	Rotate from 6190' to 6725' (535' drilled @ 267.5 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	23:00	00:00	1.00	18.00	Drill - Slide	6,725.0	6,771.0	Slide from 6725' to 6771' (46' drilled @ 46 fph). WOB = 28 klbs, Q = 800 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 144, TFO = 20M.			
Drlg Int 1	Drill	00:00	00:30	0.50	18.50	Drill - Rotat e	6,771.0	6,816.0	Rotate from 6771' to 6816' (45' drilled @ 90 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	00:30	01:00	0.50	19.00	Drill - Slide	6,816.0	6,838.0	Slide from 6816' to 6838' (22' drilled @ 44 fph). WOB = 28 klbs, Q = 800 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 144, TFO = 20M.			
Drlg Int 1	Drill	01:00	01:30	0.50	19.50	Drill - Rotat e	6,838.0	6,925.0	Rotate from 6838' to 6925' (87' drilled @ 174 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	01:30	02:00	0.50	20.00	Drill - Slide	6,925.0	6,955.0	Slide from 6925' to 6955' (30' drilled @ 60 fph). WOB = 28 klbs, Q = 800 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 144, TFO = 40M.			
Drlg Int 1	Drill	02:00	04:30	2.50	22.50	Drill - Rotat e	6,955.0	7,210.0	Rotate from 6955' to 7210' (255' drilled @ 102 fph). WOB = 45 klbs, Q = 800 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 144, Total bit RPM = 224.			
Drlg Int 1	Drill	04:30	06:00	1.50	24.00	Circ & Cond Mud	7,210.0	7,210.0	Circ. Hi Vis Sweep & Hole Clean; Pump Slug			



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 5.0, DFS: 1.35
Report Start Date: 6/4/2023 06:00
Report End Date: 6/5/2023 06:00
Depth Progress: 2,956.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,210.0		Total Depth (TVD) (ftKB) Original Hole - 7,187.1		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate															
Bit Run 2	Type PDC	Size (in) 11	Make Ulterra			Model WAV616		SN 65970	Bit TFA... 1.3500 0000	Depth In... 1,877.0	Depth O... 7,210.0	Drilled (ft) 5,333.0	Drill Tim... 31.00	Avg RO... 172.0	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)
200	Drill Pipe	S135	5	4.276	6,372.4 2	7,210.0 0	19.50	124,262 .2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
9	HWDP		5	3.063	271.60	837.58	49.30	13,389. 9	Delta 527	Drill pipe - heavyweight	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6.53	3.25	4.00	565.98	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
6	Drill Collar		6 3/4	3.0	176.97	561.98	108.19	19,146. 4	IF	Drill Collar	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 3/4	2.875	4.04	385.01	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	3.0	268.77	380.97	146.49	39,372. 1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.938	3.16	112.20	146.49	462.9	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	NMDC		7.95	3.75	28.19	109.04	146.49	4,129.6	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		8.1	3.75	30.76	80.85	146.49	4,506.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.53	2.58	50.09	146.49	377.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		8 1/16	2.813	4.78	47.51	146.49	700.2	Reg	Stabilizer 10-1/2"	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.23	42.73	146.49	6,039.8	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						57.93					Gordon Technologies				
Directional						70.00					Gordon Technologies				

-- 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	6/4/2023	1.0	1.0		2.0	2.0	0.0	0.0
Barite (Bulk)	6/4/2023	19.29			41.49	0.0	0.0	41.49
Bentonite (Bulk)	6/4/2023		7.0		14.0	7.0	0.0	7.0
Blower Rental	6/4/2023	2.0	2.0		4.0	4.0	0.0	0.0
Cedar Fiber	6/4/2023		13.0		374.0	13.0	0.0	361.0
Cottonseed Hulls	6/4/2023		15.0		78.0	15.0	0.0	63.0
Diaseal M	6/4/2023		5.0		100.0	5.0	0.0	95.0
Lime	6/4/2023		3.0		40.0	3.0	0.0	37.0
Myacide GA 25	6/4/2023				21.0	0.0	0.0	21.0
Retention Bonus (Chris)	6/4/2023	1.0	1.0		2.0	2.0	0.0	0.0
Soda Ash	6/4/2023		10.0		91.0	10.0	0.0	81.0
Sodium Sulfite	6/4/2023		11.0		28.0	11.0	0.0	17.0
Walnut Shell	6/4/2023		10.0		40.0	10.0	0.0	30.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)															
Fluid Type		Fluid Sub Type			Source				Vol to Lease (bbl)	Vol from Lease (bbl)	Dest				
Fresh Water		Drilling			Ovintiv Permitted Surface Water				0.0	0.0					

-- 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
6/5/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other	1,500.0	876.0		8,787.0	876.0	0.0	7,911.0	gal US	
6/5/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig	5,704.0	3,439.0		16,272.0	5,704.0	0.0	10,568.0	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)
6,841.00	2.05	218.51	6,818.17	464.78	-428.53	-179.98	1.56	-1.56	2.98
6,936.00	0.97	239.95	6,913.14	467.07	-430.27	-181.74	1.26	-1.14	22.57
7,031.00	0.52	262.06	7,008.13	467.93	-430.73	-182.86	0.55	-0.47	23.27
7,126.00	0.47	273.06	7,103.13	468.29	-430.77	-183.68	0.11	-0.05	11.58
7,210.00	0.47	273.06	7,187.13	468.53	-430.73	-184.37	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		4/12/2023			4/12/2023	



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 5.0, DFS: 1.35
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Report End Date: 6/5/2023 06:00
Depth Progress: 2,956.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,210.0	Total Depth (TVD) (ftKB) Original Hole - 7,187.1			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date		

-- WELLBORE SECTIONS --						
Section Des			Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date
Surface			16	70.0	1,877.0	4/27/2023
Intermediate			11	1,877.0	7,210.0	6/3/2023

-- LAST CASING RUN --						
Csg Des		Run Date		Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)
Surface		4/28/2023 21:00		1,872.0	13 3/8	54.50

-- 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

-- 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		
6/4/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.		
6/4/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.		

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

-- MUD PUMPS --						
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98

-- PUMP OPERATIONS --						
Pump #	Start Date	End Date	Liner Size (in)		P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2		5,556.0	0.077
2	6/3/2023 06:00		5 1/2		5,556.0	0.077
3	6/3/2023 06:00		5 1/2		5,556.0	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
Operator			Ovintiv USA Inc			1
Contractor			RWDY, Inc.			2
Contractor			Helmerich & Payne International Drlg Co			12
Contractor			Genesis Fluids, LLC			1
Contractor			Altitude Energy Partners, LLC			2
Contractor			Gordon Technologies, LLC			1
Contractor			Sun Drilling Products Corporat (CA Use)			0



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 5.0, DFS: 1.35
Report Start Date: 6/4/2023 06:00
Report End Date: 6/5/2023 06:00
Depth Progress: 2,956.0

API/UWI 42003487920000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,210.0	Total Depth (TVD) (ftKB) Original Hole - 7,187.1		Latitude (decimal) (°) 32.41912370	Longitude (decimal) (°) -102.29792420	Spud Date 4/27/2023	Final Rig Release Date

-- REMARKS --

Remarks
Well Control:
*Last BOP Drill: 6/1/23
*Last Trip Drill: 6/1/23
*Annular Element: 2/14/23
*Surface Casing Tested to 1,500 psi on: 4/27/23
*Intermediate Casing Tested to 1500 psi on: N/A
*Last BOP Test: 6/3/23
*Next BOP Test: 6/24/23

Tubulars:
*741 Jts 5" Delta 527 19.5# DP (Workstring Rental)
*295 Jts 5" 4-1/2IF 19.5# DP (OVV Owned)
*12 Jts 5" Delta 527 HWDP (Quail Rental)
*9 jt 6 3/4" DC's on location-rental (Knight Oil Tools)
*1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller
*Last BHA Inspection: 4/19/23
*Last 5" Delta 527 DP inspection: 5/12/23
*Saver sub changed: 5/19/23

Rig Contractor: H&P 553
Labor: Days 6 Hands - Nights 5 Hands
Equipment Issues:
•Agitator blades need changing out. On location
•Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 6.0, DFS: 2.35
Report Start Date: 6/5/2023 06:00
Report End Date: 6/6/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,210.0		Total Depth (TVD) (ftKB) Original Hole - 7,187.1			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date			
-- RIG --																	
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D				Job AFE Amt (Cost) \$3,916,200				Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$526,154			
-- OPERATIONS SUMMARY --																	
Start Depth (ftKB) 7,210.0		Start Depth (TVD) (ftKB) 7,187.1			Problem Time Hours (hr) 0.00			Percent Problem Time (%) 0.00			Daily Mud Field Est (Cost) \$4,567			Daily Field Est Total (Cost) \$624,060			
End Depth (ftKB) 7,210.0		End Depth (TVD) (ftKB) 7,187.1			Cum Problem Time Days (days) 0.063			Cum Percent Problem Time (%) 1.30			Cum Mud Field Est (Cost) \$11,832			Cum Field Est To Date (Cost) \$1,578,192			
Target Depth (MD) (ftKB) 20,016.0		Target Formation Lower Lower Spraberry			Hole Condition Good			Weather Clear		Temperature (°F) 67.0			Road Condition Fair				
24 Hr Summary TOH F/7,210' - BHA; L/D Directional BHA (Bit: 1-2-WT Mud Motor: No apparent damage); R/U 8-5/8" Casing Equip. (Parker); Run 8-5/8" 32# L80HC GBCD T/7,200'; R/D Casing Equip. & R/U Cement Equip.; Circ. Casing Cap.; Pump 1st Stage; Floats did not hold - Wait on cement for 1hr - Floats held; Drop activation tool; Pump 2nd Stage; Set & Test Pack-Off; Lift BOP; Prep to skid rig T/Hilltop 37D 6HN																	
Release Rig T/Hilltop 37D 6HN on 6-6-23 @ 06:00hrs																	
Notified Stephanie w/TRRC on 6/5/23 of our intent to run and cement int. casing																	
AM Ops Release Rig T/Hilltop 37D 6HN								Ops Forecast Release Rig T/Hilltop 37D 6HN									
-- RIG SAFETY PERFORMANCE --																	
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)					
60.00				60.00													
-- MUD CHECKS --																	
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)	
6/5/2023 20:00		Water based		Active		7,210.0		10.20		28		1.0		3.000			
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
										7.4		11.5		4.3			
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	
88.5												145,000.000		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 #		
Flat Int 1	Cond Trip	06:00	09:30	3.50	3.50	Trip	7,210.0	7,210.0	TOH F/7,210' - BHA								
Flat Int 1	Cond Trip	09:30	10:30	1.00	4.50	Handle Tools	7,210.0	7,210.0	L/D Directional BHA (Bit: 1-2-WT Mud Motor: No apparent damage)								
Flat Int 1	Cond Trip	10:30	11:00	0.50	5.00	Other	7,210.0	7,210.0	Pull Wear Bushing								
Flat Int 1	Case & Cement	11:00	12:30	1.50	6.50	Run Casing	7,210.0	7,210.0	PJSM; R/U 8-5/8" Casing Equip. (Parker)								
Flat Int 1	Case & Cement	12:30	19:30	7.00	13.50	Run Casing	7,210.0	7,210.0	Run 8-5/8" 32# L80HC GBCD T/7,200' (Set 200K on Hanger)								
Flat Int 1	Case & Cement	19:30	20:30	1.00	14.50	Other	7,210.0	7,210.0	R/D Casing Equip. & R/U Cement Equip.								
Flat Int 1	Case & Cement	20:30	21:00	0.50	15.00	Circ & Cond Mud	7,210.0	7,210.0	Circ. Casing Capacity								
Flat Int 1	Case & Cement	21:00	23:00	2.00	17.00	Cmnt Casing	7,210.0	7,210.0	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: 95 bbls (11.5 ppg) @ 8 bpm Pump Tail Cmnt: 39 bbls (14.8 ppg) @ 6.0 bpm Drop Plug Pump Tail Cmnt: 5 bbls (14.8 ppg) @ 6.0 bpm Pump Visc Water Spacer & LCM: 20 bbls (8.3 ppg) @ 8 bpm Pump Water Disp: 408 bbls (8.3 ppg) @ 8 bpm Total Displacement: 433 bbls Bumped plug on calculated @ 4 bpm (1,300 - 1,900 psi) Set ACP @ 2,575 (Packer held .5 bbl) Floats not holding Full Returns								
Flat Int 1	Case & Cement	23:00	00:30	1.50	18.50	Cmnt Casing	7,210.0	7,210.0	Floats not holding after first stage plug bump. Waited 1hr holding 2,550 psi. Bled off psi and check floats and floats held (Bled back 3 bbls); Drop activation plug wait to fall for 30 mins; Open DV Tool w/ 1,026 psi & broke circulation (full returns) Circ. 90 bbls of cement from 1st stage								
Flat Int 1	Case & Cement	00:30	02:30	2.00	20.50	Cmnt Casing	7,210.0	7,210.0	*Intermediate 2nd Stage* Pump Water Spacer: 40 bbls (8.3 ppg) @ 8 bpm Pump Lead Cmnt: 425 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 (1,400 - 2,400 psi) Bled Back: 3 bbls Full returns during entire job & no cement to surface								
Flat Int 1	Case & Cement	02:30	03:00	0.50	21.00	Other	7,210.0	7,210.0	R/D Cement Equip. & Flush Lines								
Flat Int 1	Case & Cement	03:00	04:00	1.00	22.00	Wellhead	7,210.0	7,210.0	L/D Landing Jt.; Set Pack-Off and Test Same								
Flat Int 1	Case & Cement	04:00	05:00	1.00	23.00	Other	7,210.0	7,210.0	R/D CRT & Break-out X-O								
Flat Int 1	Case & Cement	05:00	05:30	0.50	23.50	BOP	7,210.0	7,210.0	N/D BOP								
Ovintiv Confidential																	

Ovintiv ConfidentialPage 1/3Report Printed: 6/6/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 6.0, DFS: 2.35
Report Start Date: 6/5/2023 06:00
Report End Date: 6/6/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,210.0		Total Depth (TVD) (ftKB) Original Hole - 7,187.1		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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 #
Flat Int 1	Case & Cement	05:30	06:00	0.50	24.00	Other	7,210.0	7,210.0	Prep to Skid Rig T/Hilltop 37D 6HN					

-- DRILL BITS -- (BHA #<BHA #?> SUMMARY) <Drill String Name?>												
Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	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)	

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				

-- 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	6/5/2023	1.0	1.0		3.0	3.0	0.0	0.0
Barite (Bulk)	6/5/2023		7.0		41.49	7.0	0.0	34.49
Bentonite (Bulk)	6/5/2023	18.07			32.07	7.0	0.0	25.07
Blower Rental	6/5/2023	2.0	2.0		6.0	6.0	0.0	0.0
Desco	6/5/2023		1.0		6.0	1.0	0.0	5.0
Freight	6/5/2023	941.63	941.63		941.63	941.63	0.0	0.0
Retention Bonus (Chris)	6/5/2023	1.0	1.0		3.0	3.0	0.0	0.0
Sodium Sulfite	6/5/2023		6.0		28.0	17.0	0.0	11.0
Walnut Shell	6/5/2023		10.0		40.0	20.0	0.0	20.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)														
Fluid Type	Fluid Sub Type				Source				Vol to Lease (bbl)	Vol from Lease (bbl)	Dest			
Fresh Water	Drilling				Ovintiv Permitted Surface Water				0.0	0.0				

-- 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

-- 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)
6,841.00	2.05		218.51		6,818.17		464.78		-428.53	-179.98	1.56	-1.56		2.98
6,936.00	0.97		239.95		6,913.14		467.07		-430.27	-181.74	1.26	-1.14		22.57
7,031.00	0.52		262.06		7,008.13		467.93		-430.73	-182.86	0.55	-0.47		23.27
7,126.00	0.47		273.06		7,103.13		468.29		-430.77	-183.68	0.11	-0.05		11.58
7,210.00	0.47		273.06		7,187.13		468.53		-430.73	-184.37	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	4/12/2023			4/12/2023			
Surface					16	70.0	1,877.0	4/27/2023			4/28/2023			
Intermediate					11	1,877.0	7,210.0	6/3/2023			6/5/2023			

-- LAST CASING RUN --														
Csg Des		Run Date			Set Depth (ftKB)			OD (in)	Wt/Len (lb/ft)		Grade		Top Thread	
Intermediate 1		6/5/2023 12:30			7,200.0			8 5/8	32.00		HC L-80		GBCD	

-- 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: HILLTOP 37C 4HF

Report #: 6.0, DFS: 2.35
Report Start Date: 6/5/2023 06:00
Report End Date: 6/6/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,210.0	Total Depth (TVD) (ftKB) Original Hole - 7,187.1			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date		

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
6/5/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/5/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/1/23 *Last Trip Drill: 6/1/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: N/A *Last BOP Test: 6/3/23 *Next BOP Test: 6/24/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *295 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Quail Rental) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 5/19/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location •Mud lines have rusted out spot on tanks need replaced.	



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 8.0, DFS: 3.52
Report Start Date: 6/20/2023 06:00
Report End Date: 6/21/2023 06:00
Depth Progress: 1,902.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,112.0		Total Depth (TVD) (ftKB) Original Hole - 9,088.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$943,846		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 7,210.0	Start Depth (TVD) (ftKB) 7,187.1	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$10,793	Daily Field Est Total (Cost) \$63,100
End Depth (ftKB) 9,112.0	End Depth (TVD) (ftKB) 9,088.9	Cum Problem Time Days (days) 0.063	Cum Percent Problem Time (%) 1.05	Cum Mud Field Est (Cost) \$24,940	Cum Field Est To Date (Cost) \$1,658,799
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 108.0	Road Condition Fair
24 Hr Summary Test BOPS, P/U directional & TIH T/5502'. Test csg above DV. Drill out DV tool. Test csg below 1500psi 30min. TIH F/5502' T/7107' Drill out cement & flt equip T/7210'. Displace W/ Gen mud.Drilled from 7210' to 9112' (1902' drilled in 7.5 hrs @ avg ROP of 253.6 fph). Rotate 1807' in 5.5 hrs @ 328.5 fph. Slide 95' in 2 hrs @ 47.5 fph. Last survey @8960' Inc. .49 Azm. 16.01, Below 2.5' Right 9.6'. Circ sweep around. TOOH F/9112' T/BHA.L/D vertical assembly, P/U curve assembly.					
AM Ops P/U curve assembly.		Ops Forecast TIH & Drill 7-7/8" curve plan #3			

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
62.00			62.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)
6/20/2023 20:00	Water based	Active		8,090.0		8.70		32		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	1.000		19.4		1		8.5		4.0		3.6		
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)
95.0	1.0									10,000.000		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 #
Flat Int 1	BOP/WH/ Drillout	06:00	10:00	4.00	4.00	BOP	7,210.0	7,210.0	Test BOP,Annular Preventer: 250L - 3,500H, Top Pipe Rams: 250L - 5,000H, Blind Rams: 250L - 5,000H, Bottom Pipe Rams: 250L - 5,000H .Kill, Manual, & HCR Valves: 250L - 5,000H. Choke Manifold: 250L - 5,000H. Floor Valves: 250L - 5,000H. Back to Mud Pumps: 250L - 5,000H					
Flat Int 1	BOP/WH/ Drillout	10:00	10:30	0.50	4.50	Wellh ead	7,210.0	7,210.0	Install wear bushing					
Flat Int 1	BOP/WH/ Drillout	10:30	11:30	1.00	5.50	Handle Tools	7,210.0	7,210.0	P/U directional tools.					
Flat Int 1	BOP/WH/ Drillout	11:30	12:00	0.50	6.00	Rig Service	7,210.0	7,210.0	Rig Service					
Flat Int 1	BOP/WH/ Drillout	12:00	14:00	2.00	8.00	Trip	7,210.0	7,210.0	TIH F/BHA T/5502'.					
Flat Int 1	BOP/WH/ Drillout	14:00	15:00	1.00	9.00	Drill - Other	7,210.0	7,210.0	5 min test above DV, Drill out DV tool					
Flat Int 1	BOP/WH/ Drillout	15:00	15:30	0.50	9.50	Other	7,210.0	7,210.0	Test csg 1500psi below DV-30min					
Flat Int 1	BOP/WH/ Drillout	15:30	16:30	1.00	10.50	Trip	7,210.0	7,210.0	TIH F/5502' T/7107'.					
Flat Int 1	BOP/WH/ Drillout	16:30	18:00	1.50	12.00	Drill - Other	7,210.0	7,210.0	Drill out & flt equip F/7107' T/7210' Displace w/Gen 8.8ppg. No indications of cement above flt collar, No firm cement in shoe track.					
Drlg Prod	Drill	18:00	20:30	2.50	14.50	Drill - Rotate	7,210.0	8,075.0	Rotate from 7210' to 8075' (865' drilled @ 346 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3570 psi, Diff = 1400 psi, RPM = 80, Torque = 15 kft-lbs, MM RPM = 192, Total bit RPM = 272.					
Drlg Prod	Drill	20:30	21:00	0.50	15.00	Drill - Slide	8,075.0	8,105.0	Slide from 8075' to 8105' (30' drilled @ 60 fph). WOB = 15 klbs, Q = 600 gpm, SPP = 2380 psi, Diff = 200 psi, MM RPM = 192, TFO = 280M.					
Drlg Prod	Drill	21:00	22:30	1.50	16.50	Drill - Rotate	8,105.0	8,555.0	Rotate from 8105' to 8555' (450' drilled @ 300 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3280 psi, Diff = 1000 psi, RPM = 80, Torque = 17 kft-lbs, MM RPM = 192, Total bit RPM = 272.					
Drlg Prod	Drill	22:30	23:00	0.50	17.00	Drill - Slide	8,555.0	8,590.0	Slide from 8555' to 8590' (35' drilled @ 70 fph). WOB = 18 klbs, Q = 600 gpm, SPP = 2380 psi, Diff = 200 psi, MM RPM = 192, TFO = 340M.					
Drlg Prod	Drill	23:00	23:30	0.50	17.50	Drill - Rotate	8,590.0	8,740.0	Rotate from 8590' to 8740' (150' drilled @ 300 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3280 psi, Diff = 1000 psi, RPM = 80, Torque = 17 kft-lbs, MM RPM = 192, Total bit RPM = 272.					
Drlg Prod	Drill	23:30	00:30	1.00	18.50	Drill - Slide	8,740.0	8,770.0	Slide from 8740' to 8770' (30' drilled @ 30 fph). WOB = 18 klbs, Q = 600 gpm, SPP = 2420 psi, Diff = 350 psi, MM RPM = 192, TFO = 340M.					
Drlg Prod	Drill	00:30	01:30	1.00	19.50	Drill - Rotate	8,770.0	9,112.0	Rotate from 8770' to 9112' (342' drilled @ 342 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3400 psi, Diff = 1200 psi, RPM = 80, Torque = 18 kft-lbs, MM RPM = 192, Total bit RPM = 272.					
Drlg Prod	Cond Trip	01:30	02:30	1.00	20.50	Circ & Cond Mud	9,112.0	9,112.0	Circ 30bbl high visc sweep around.					
Drlg Prod	Cond Trip	02:30	05:00	2.50	23.00	Trip	9,112.0	9,112.0	TOOH F/9112' T/BHA					
Drlg Prod	Cond Trip	05:00	06:00	1.00	24.00	Handle Tools	9,112.0	9,112.0	L/D vertical assembly, P/U curve assembly.					



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 8.0, DFS: 3.52

Report Start Date: 6/20/2023 06:00

Report End Date: 6/21/2023 06:00

Depth Progress: 1,902.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,112.0		Total Depth (TVD) (ftKB) Original Hole - 9,088.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023	

-- DRILL BITS -- (BHA #3 SUMMARY) Vertical														
Bit Run 3	Type PDC	Size (in) 7 7/8	Make Ulterra		Model RPS616		SN 61686	Bit TFA... 1.0300 0000	Depth In... 7,210.0	Depth O... 9,112.0	Drilled (ft) 1,902.0	Drill Tim... 7.50	Avg RO... 253.6	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)	
285	Drill Pipe	S135	5	4.276	9,015.00	9,112.04	19.50	175,792.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	XO Sub		6.53	3.0	4.00	97.04	19.50	78.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	NMDC		6 3/16	3.313	27.54	93.04	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 3/8	3.25	28.21	65.50	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6 1/2	3.25	3.14	37.29	146.49	460.0	IF	MWD	4 1/2 IF x 4 1/2 IF			
1	7/8:L 5.6:S @.35		7	3.0	33.15	34.15	146.49	4,856.1	IF	Motor 2	4 1/2 IF x 4 1/2 Reg			

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				
Gamma					45.13					Gordon Technologies				
Directional					57.00					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	6/20/2023	0.0			4.0	4.0	0.0	0.0
24 Hour Service	6/20/2023	1.0	1.0		4.0	4.0	0.0	0.0
3% Discount	6/20/2023	0.0			0.0	0.0	0.0	0.0
Aluminum Stearate	6/20/2023	5.0			32.0	0.0	27.0	5.0
Aquasol 325	6/20/2023	0.0			0.0	0.0	0.0	0.0
Barite (Bulk)	6/20/2023	38.0			79.49	7.0	34.49	38.0
Barite (Sack)	6/20/2023	160.0			320.0	0.0	160.0	160.0
Bentonite (Bulk)	6/20/2023	44.23			94.48	7.0	43.25	44.23
Blower Rental	6/20/2023	0.0			8.0	8.0	0.0	0.0
Blower Rental	6/20/2023	2.0	2.0		8.0	8.0	0.0	0.0
Bulk Tank Rental	6/20/2023	0.0			4.0	4.0	0.0	0.0
Calcium Carbonate	6/20/2023	90.0			191.0	0.0	101.0	90.0
Cedar Fiber	6/20/2023	266.0			640.0	13.0	361.0	266.0
Clean Lube	6/20/2023	630.0			2,750.0	0.0	1,590.0	1,160.0
Clean Lube	6/20/2023	530.0			2,750.0	0.0	1,590.0	1,160.0
Cottonseed Hulls	6/20/2023	237.0			315.0	15.0	63.0	237.0
Defoamer	6/20/2023	24.0			24.0	0.0	0.0	24.0
Desco	6/20/2023	3.0			9.0	1.0	5.0	3.0
Diaseal M	6/20/2023	95.0			195.0	5.0	95.0	95.0
Forklift	6/20/2023	0.0			0.0	0.0	0.0	0.0
Free Pipe	6/20/2023	24.0			48.0	0.0	24.0	24.0
Freight	6/20/2023	0.0			4,686.67	4,686.67	0.0	0.0
Freight	6/20/2023	1,429.63	1,429.63		4,686.67	4,686.67	0.0	0.0
Gamma LS	6/20/2023	0.0			0.0	0.0	0.0	0.0
GenSeal M	6/20/2023	0.0			0.0	0.0	0.0	0.0
GenShield	6/20/2023	215.0			215.0	0.0	0.0	215.0
GenWet	6/20/2023	290.0			545.0	0.0	255.0	290.0
Lime	6/20/2023	0.0			40.0	3.0	37.0	0.0
MEA	6/20/2023	220.0			280.0	0.0	60.0	220.0
Myacide GA 25	6/20/2023	36.0			57.0	0.0	21.0	36.0
Oil Absorbant	6/20/2023	45.0			90.0	0.0	45.0	45.0
Pac LV	6/20/2023	11.0			155.0	0.0	64.0	91.0
Pac LV	6/20/2023	80.0			155.0	0.0	64.0	91.0
Pac Regular	6/20/2023	0.0			0.0	0.0	0.0	0.0
Pallets	6/20/2023	0.0			11.0	11.0	0.0	0.0
Pallets	6/20/2023	11.0	11.0		11.0	11.0	0.0	0.0
Poly Gen	6/20/2023	98.0			244.0	30.0	60.0	154.0
Poly Gen	6/20/2023	86.0	30.0		244.0	30.0	60.0	154.0
Poly Tech	6/20/2023	30.0			163.0	16.0	33.0	114.0
Poly Tech	6/20/2023	100.0	16.0		163.0	16.0	33.0	114.0
Poly Vis II	6/20/2023	0.0			32.0	0.0	0.0	32.0
Poly Vis II	6/20/2023	32.0			32.0	0.0	0.0	32.0
RadiaGreen	6/20/2023	795.0			1,590.0	0.0	795.0	795.0
Retention Bonus (Chris)	6/20/2023	0.0			3.0	3.0	0.0	0.0
Retention Bonus (Will)	6/20/2023	0.0			1.0	1.0	0.0	0.0
Retention Bonus (Will)	6/20/2023	1.0	1.0		1.0	1.0	0.0	0.0
Shrink Wrap	6/20/2023	0.0			10.0	10.0	0.0	0.0
Shrink Wrap	6/20/2023	10.0	10.0		10.0	10.0	0.0	0.0
Soda Ash	6/20/2023	47.0			238.0	26.0	81.0	131.0
Soda Ash	6/20/2023	100.0	16.0		238.0	26.0	81.0	131.0
Sodium Sulfite	6/20/2023	32.0			109.0	25.0	11.0	73.0



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 8.0, DFS: 3.52
Report Start Date: 6/20/2023 06:00
Report End Date: 6/21/2023 06:00
Depth Progress: 1,902.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 9,112.0		Total Depth (TVD) (ftKB) Original Hole - 9,088.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023	

-- MUD ADDITIVES --								
Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
Sodium Sulfite	6/20/2023	49.0	8.0		109.0	25.0	11.0	73.0
Tiger Bullets	6/20/2023	10.0			32.0	0.0	22.0	10.0
Tote Disposal	6/20/2023	0.0			0.0	0.0	0.0	0.0
Walnut Shell	6/20/2023	0.0			40.0	20.0	20.0	0.0
Xanthan 25#	6/20/2023	95.0			252.0	0.0	77.0	175.0
Xanthan 25#	6/20/2023	80.0			252.0	0.0	77.0	175.0
Zinc Oxide	6/20/2023	6.0			19.0	0.0	13.0	6.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)					
Fluid Type	Fluid Sub Type	Source	Vol to Lease (bbl)	Vol from Lease (bbl)	Dest
Fresh Water	Drilling	Ovintiv Permitted Surface Water	0.0	0.0	

-- 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
6/21/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other		0.0		12,449.0	876.0	7,911.0	3,662.0	gal US	
6/21/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig		1,400.0		26,472.0	7,104.0	10,568.0	8,800.0	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)
8,675.00	0.90	165.20	8,651.96	471.11	-437.04	-175.92	0.79	0.75	-35.71
8,770.00	0.92	9.63	8,746.95	470.97	-437.01	-175.61	1.87	0.02	-163.76
8,865.00	0.95	7.20	8,841.94	469.46	-435.47	-175.38	0.05	0.03	-2.56
8,960.00	0.49	16.01	8,936.93	468.30	-434.30	-175.17	0.50	-0.48	9.27
9,112.00	0.49	16.01	9,088.93	467.00	-433.05	-174.81	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	4/12/2023	4/12/2023
Surface	16	70.0	1,877.0	4/27/2023	4/28/2023
Intermediate	11	1,877.0	7,210.0	6/3/2023	6/5/2023
Production	7 7/8	7,210.0	9,112.0	6/20/2023	

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	6/5/2023 12:30	7,200.0	8 5/8	32.00	HC L-80	GBCD

-- 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
6/20/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/20/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 8.0, DFS: 3.52
Report Start Date: 6/20/2023 06:00
Report End Date: 6/21/2023 06:00
Depth Progress: 1,902.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,112.0		Total Depth (TVD) (ftKB) Original Hole - 9,088.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023		

-- PUMP OPERATIONS --					
Pump #		Start Date		End Date	
3		6/3/2023 06:00			
				Liner Size (in)	
				5 1/2	
				P Max (psi)	
				5,556.0	
				Vol/Stk OR (bbl/stk)	
				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		Count
Operator		1
Contractor		2
Contractor		12
Contractor		1
Contractor		2
Contractor		1
Contractor		0

-- REMARKS --		
Remarks		
Well Control:		
*Last BOP Drill: 6/16/23		
*Last Trip Drill: 6/16/23		
*Annular Element: 2/14/23		
*Surface Casing Tested to 1,500 psi on: 4/27/23		
*Intermediate Casing Tested to 1500 psi on: 6/20/23		
*Last BOP Test: 6/20/23		
*Next BOP Test: 7/11/23		
*Mini BOP Test: 6/10/23		
Tubulars:		
*741 Jts 5" Delta 527 19.5# DP (Workstring Rental)		
*618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned)		
*12 Jts 5" Delta 527 HWDP (Work string Rentals)		
*9 jt 6 3/4" DC's on location-rental (Knight Oil Tools)		
*1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller		
*Last BHA Inspection: 4/19/23		
*Last 5" Delta 527 DP inspection: 5/12/23		
*Saver sub changed: 6/12/23		
Rig Contractor: H&P 553		
Labor: Days 6 Hands - Nights 5 Hands		
Equipment Issues:		
•Agitator blades need changing out. On location		



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 9.0, DFS: 4.52
Report Start Date: 6/21/2023 06:00
Report End Date: 6/22/2023 06:00
Depth Progress: 495.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,607.0		Total Depth (TVD) (ftKB) Original Hole - 9,519.8			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$981,117		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 9,112.0	Start Depth (TVD) (ftKB) 9,088.9	Problem Time Hours (hr) 12.50	Percent Problem Time (%) 52.08	Daily Mud Field Est (Cost) \$17,053	Daily Field Est Total (Cost) \$123,600
End Depth (ftKB) 9,607.0	End Depth (TVD) (ftKB) 9,519.8	Cum Problem Time Days (days) 0.583	Cum Percent Problem Time (%) 8.38	Cum Mud Field Est (Cost) \$41,994	Cum Field Est To Date (Cost) \$1,946,622
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Partly Cloudy	Temperature (°F) 99.0	Road Condition Fair
24 Hr Summary P/U directional tools, TIH F/BHA T/9112'. Rotate from 9112' to 9115' (3' drilled @ 3 fph), Pull 5 stands, Trip back to btm & attempt to drill. No ROP. Circ btms up, TOOH F/9115' T/BHA due to no ROP. L/D directional tools. Bit graded 3/8 Ring out. Motor locked up would not drain. TIH F/BHA T/1000'. Rig Service, C/O hose on ST-80 & blown O-ring on Top drive. TIH F/1000' T/7137'. Slip & cut drill line. TIH F/7137' T/9115'. Drilled from 9115' to 9607' (492' drilled in 6.5 hrs @ avg ROP of 75.7 fph). Rotate 181' in 2.5 hrs @ 72.4 fph. Slide 311' in 4 hrs @ 77.8 fph. Survey @9457, Inc. 35.88, Azm. 342.58, Above 40.4', Right 17.8'.					
AM Ops Drill 7-7/8" curve @9607'			Ops Forecast Drill 7-7/8" curve plan #3		

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
63.00			63.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)
6/21/2023 20:00	Water based	Active		9,117.0		9.00		31		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	1.000		19.8		1		8.0		4.5		4.1		
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)
94.5	1.0									10,000.000		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		12.50	6/21/2023 11:00	6/21/2023 23:30	9,115.0	9,115.0	TOOH due to ROP, 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	06:30	0.50	0.50	Handle Tools	9,112.0	9,112.0	P/U directional tools					
Drlg Prod	Cond Trip	06:30	10:00	3.50	4.00	Trip	9,112.0	9,112.0	TIH F/BHA T/9112'					
Drlg Prod	Drill Curve	10:00	11:00	1.00	5.00	Drill - Rotate	9,112.0	9,115.0	Rotate from 9112' to 9115' (3' drilled @ 3 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 2700 psi, Diff = 50 psi, RPM = 30, Torque = 6 kft-lbs, MM RPM = 192, Total bit RPM = 222.					
Drlg Prod	Cond Trip	11:00	11:30	0.50	5.50	Trip	9,115.0	9,115.0	Pull 5 stands, Trip back to btm & attempt to drill. No ROP					3
Drlg Prod	Cond Trip	11:30	12:00	0.50	6.00	Circ & Cond Mud	9,115.0	9,115.0	Circ btms up, while building slug					3
Drlg Prod	Cond Trip	12:00	15:00	3.00	9.00	Trip	9,115.0	9,115.0	TOOH F/9115' T/BHA due to no ROP.					3
Drlg Prod	Cond Trip	15:00	17:00	2.00	11.00	Handle Tools	9,115.0	9,115.0	L/D directional tools. Bit graded 3/8 Ring out. Motor locked up would not drain.					3
Drlg Prod	Cond Trip	17:00	17:30	0.50	11.50	Other	9,115.0	9,115.0	Rig up bug blower & misters on rig floor.					3
Drlg Prod	Cond Trip	17:30	18:00	0.50	12.00	Trip	9,115.0	9,115.0	TIH F/BHA T/1000'					3
Drlg Prod	Cond Trip	18:00	18:30	0.50	12.50	Rig Service	9,115.0	9,115.0	Rig Service, C/O hose on ST-80 & blown O-ring on Top drive.					3
Drlg Prod	Cond Trip	18:30	21:30	3.00	15.50	Trip	9,115.0	9,115.0	TIH F/1000' T/7137'					3
Drlg Prod	Cond Trip	21:30	22:30	1.00	16.50	Other	9,115.0	9,115.0	Slip & cut drill line					3
Drlg Prod	Cond Trip	22:30	23:30	1.00	17.50	Other	9,115.0	9,115.0	TIH F/7137' T/9115'					3
Drlg Prod	Drill Curve	23:30	00:00	0.50	18.00	Drill - Rotate	9,115.0	9,136.0	Rotate from 9115' to 9136' (21' drilled @ 42 fph). WOB = 20 klbs, Q = 500 gpm, SPP = 2100 psi, Diff = 150 psi, RPM = 20, Torque = 7 kft-lbs, MM RPM = 160, Total bit RPM = 180.					
Drlg Prod	Drill Curve	00:00	02:00	2.00	20.00	Drill - Slide	9,136.0	9,270.0	Slide from 9136' to 9270' (134' drilled @ 67 fph). WOB = 40 klbs, Q = 600 gpm, SPP = 2850 psi, Diff = 325 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	02:00	03:00	1.00	21.00	Drill - Rotate	9,270.0	9,322.0	Rotate from 9270' to 9322' (52' drilled @ 52 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 700 psi, RPM = 30, Torque = 13 kft-lbs, MM RPM = 192, Total bit RPM = 222.					
Drlg Prod	Drill Curve	03:00	03:30	0.50	21.50	Drill - Slide	9,322.0	9,350.0	Slide from 9322' to 9350' (28' drilled @ 56 fph). WOB = 30 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 300 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	03:30	04:00	0.50	22.00	Drill - Rotate	9,350.0	9,419.0	Rotate from 9350' to 9419' (69' drilled @ 138 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 3500 psi, Diff = 800 psi, RPM = 30, Torque = 14 kft-lbs, MM RPM = 192, Total bit RPM = 222.					
Drlg Prod	Drill Curve	04:00	04:30	0.50	22.50	Drill - Slide	9,419.0	9,473.0	Slide from 9419' to 9473' (54' drilled @ 108 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 300 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	04:30	05:00	0.50	23.00	Drill - Rotate	9,473.0	9,512.0	Rotate from 9473' to 9512' (39' drilled @ 78 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 650 psi, RPM = 30, Torque = 14 kft-lbs, MM RPM = 192, Total bit RPM = 222.					
Drlg Prod	Drill Curve	05:00	06:00	1.00	24.00	Drill - Slide	9,512.0	9,607.0	Slide from 9512' to 9607' (95' drilled @ 95 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 300 psi, MM RPM = 192, TFO = HS.					

-- DRILL BITS -- (BHA #5 SUMMARY) Curve														
Bit Run 5	Type PDC	Size (in) 7 7/8	Make NOV		Model TK63		SN A293280	Bit TFA... 1.1800 0000	Depth In... 9,115.0	Depth O... 9,607.0	Drilled (ft) 492.0	Drill Tim... 6.50	Avg RO... 75.7	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)
210	Drill Pipe		S135	5	4.276	6,643.00	9,607.03	19.50	129,538.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 9.0, DFS: 4.52
Report Start Date: 6/21/2023 06:00
Report End Date: 6/22/2023 06:00
Depth Progress: 495.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 9,607.0		Total Depth (TVD) (ftKB) Original Hole - 9,519.8		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023	

-- 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	Agitator		6 1/2	3.25	22.63	2,964.03	101.00	2,285.6	IF	Agitator	4 1/2 IF x 4 1/2 IF		
90	Drill Pipe	S135	5	4.276	2,847.60	2,941.40	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/2	3.25	4.00	93.80	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	27.54	89.80	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	28.21	62.26	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.14	34.05	146.49	460.0	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	7/8:L 6.4:S @ 0.28		6 5/8	2.5	29.91	30.91	146.49	4,381.5	IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note
Gamma		41.89		Gordon Technologies
Directional		52.16		Gordon Technologies

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed		Lower Deflection Amount 2.25		Rotor Nozzle Diameter (in) 2.000
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-- DRILL BITS -- (BHA #4 SUMMARY) Curve

Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
4	PDC	7 7/8	Ultrerra	CF611	62795	1.03000000	9,112.0	9,115.0	3.0	1.00	3.0	3-8-RO-S-X-0-BT-PR

-- 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)
195	Drill Pipe	S135	5	4.276	6,154.00	9,115.41	19.50	120,003.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	Agitator		6 1/2	3.25	22.63	2,961.41	101.00	2,285.6	IF	Agitator	4 1/2 IF x 4 1/2 IF		
90	Drill Pipe	S135	5	4.276	2,847.60	2,938.78	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/2	3.25	4.00	91.18	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	27.54	87.18	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	28.21	59.64	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.14	31.43	146.49	460.0	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	7/8:L 5.0:S @.29	0	6 1/2	3.0	27.29	28.29	90.00	2,456.1	IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note
Gamma		39.27		Gordon Technologies
Directional		51.00		Gordon Technologies

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed		Lower Deflection Amount 2.12		Rotor Nozzle Diameter (in) 2.000
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-- 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	6/21/2023	1.0	1.0		5.0	5.0	0.0	0.0
Barite (Bulk)	6/21/2023		8.0		79.49	15.0	34.49	30.0
Blower Rental	6/21/2023	2.0	2.0		10.0	10.0	0.0	0.0
Cedar Fiber	6/21/2023		6.0		640.0	19.0	361.0	260.0
Myacide GA 25	6/21/2023		2.0		57.0	2.0	21.0	34.0
Pac LV	6/21/2023		12.0		155.0	12.0	64.0	79.0
Poly Gen	6/21/2023		28.0		244.0	58.0	60.0	126.0
Poly Tech	6/21/2023		11.0		163.0	27.0	33.0	103.0
Retention Bonus (Will)	6/21/2023	1.0	1.0		2.0	2.0	0.0	0.0
Soda Ash	6/21/2023		27.0		238.0	53.0	81.0	104.0
Sodium Sulfite	6/21/2023		3.0		109.0	28.0	11.0	70.0
Xanthan 25#	6/21/2023		23.0		252.0	23.0	77.0	152.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)

Fluid Type	Fluid Sub Type	Source	Vol to Lease (bbl)	Vol from Lease (bbl)	Dest
Fresh Water	Drilling	Ovintiv Permitted Surface Water	0.0	0.0	

-- 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
6/22/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other		151.0		12,449.0	1,027.0	7,911.0	3,511.0	gal US	
6/22/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig		1,468.0		26,472.0	8,572.0	10,568.0	7,332.0	gal US	

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Report Printed: 6/22/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 9.0, DFS: 4.52
Report Start Date: 6/21/2023 06:00
Report End Date: 6/22/2023 06:00
Depth Progress: 495.0

API/UWI 42003487920000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,607.0	Total Depth (TVD) (ftKB) Original Hole - 9,519.8		Latitude (decimal) (°) 32.41912370	Longitude (decimal) (°) -102.29792420	Spud Date 4/27/2023	Final Rig Release Date 4/29/2023

-- 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)
9,172.00	9.46	353.03	9,148.46	412.11	-424.98	-174.27	9.52	8.81	-68.13
9,267.00	29.02	341.92	9,237.75	398.39	-395.02	-182.45	20.86	20.59	-11.69
9,362.00	32.13	336.55	9,319.54	381.40	-349.92	-199.66	4.35	3.27	-5.65
9,457.00	35.88	342.58	9,398.31	362.20	-300.15	-218.06	5.30	3.95	6.35
9,607.00	35.88	342.58	9,519.84	326.34	-216.27	-244.38	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	4/12/2023		4/12/2023	
Surface			16	70.0	1,877.0	4/27/2023		4/28/2023	
Intermediate			11	1,877.0	7,210.0	6/3/2023		6/5/2023	
Production			7 7/8	7,210.0	9,607.0	6/20/2023			

-- LAST CASING RUN --									
Csg Des		Run Date		Set Depth (ftKB)		OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1		6/5/2023 12:30		7,200.0		8 5/8	32.00	HC L-80	GBCD

-- 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				
6/21/2023 06:00	Safety Meeting/JSA		Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.				
6/21/2023 18:00	Safety Meeting/JSA		Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.				

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

-- MUD PUMPS --									
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)		
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		

-- PUMP OPERATIONS --									
Pump #	Start Date	End Date	Liner Size (in)		P Max (psi)	Vol/Stk OR (bbl/stk)			
1	6/3/2023 06:00		5 1/2		5,556.0	0.077			
2	6/3/2023 06:00		5 1/2		5,556.0	0.077			
3	6/3/2023 06:00		5 1/2		5,556.0	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
Operator				Ovintiv USA Inc					1
Contractor				RWDY, Inc.					2
Contractor				Helmerich & Payne International Drlg Co					12
Contractor				Genesis Fluids, LLC					1
Contractor				Altitude Energy Partners, LLC					2
Contractor				Gordon Technologies, LLC					1
Contractor				Sun Drilling Products Corporat (CA Use)					0



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 9.0, DFS: 4.52
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Depth Progress: 495.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,607.0		Total Depth (TVD) (ftKB) Original Hole - 9,519.8		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 4/29/2023		

-- REMARKS --														
Remarks Well Control: *Last BOP Drill: 6/16/23 *Last Trip Drill: 6/16/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 *Mini BOP Test: 6/10/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location														



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 10.0, DFS: 5.52

Report Start Date: 6/22/2023 06:00

Report End Date: 6/23/2023 06:00

Depth Progress: 1,717.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 11,324.0		Total Depth (TVD) (ftKB) Original Hole - 9,652.4			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$981,117		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 9,607.0	Start Depth (TVD) (ftKB) 9,509.0	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$10,528	Daily Field Est Total (Cost) \$168,000
End Depth (ftKB) 11,324.0	End Depth (TVD) (ftKB) 9,652.4	Cum Problem Time Days (days) 0.583	Cum Percent Problem Time (%) 7.33	Cum Mud Field Est (Cost) \$52,522	Cum Field Est To Date (Cost) \$2,152,722
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Blowing dust	Temperature (°F) 103.0	Road Condition Fair
24 Hr Summary					
Drilled curve from 9607' to 9986' (379' drilled in 4 hrs @ avg ROP of 94.8 fph). Rotate 81' in 1 hrs @ 81 fph. Slide 298' in 3 hrs @ 99.3 fph. 80* @9880', EOC @9955'. Circ sweep around. TOO H F/9986' T/BHA. L/D curve assembly, P/U lateral assembly. TIH T/9986'. Drilled from 9986' to 11324' (1338' drilled in 8 hrs @ avg ROP of 167.3 fph). Rotate 1238' in 5 hrs @ 247.6 fph. Slide 100' in 3 hrs @ 33.3 fph. Lateral drilled past 80 deg = 1444'. Lateral remaining = 8692'. Last survey 11073' Inc. 88.0, Azm. 336.56, Below 4.4', Right 13.1'. Hole started seeping @10060', Pumping 20bbl 15ppb LCM sweeps. Total losses 300bbl in 8 hrs, avg 38bbls/hr.					
AM Ops Drilling 7-7/8" lateral @11324'		Ops Forecast Drill 7-7/8" lateral plan #3			

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
64.00			64.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lbf/100ft²)	T Flowline (°F)					
6/22/2023 20:00	Water based	Active		9,986.0	9.00	32	6.0	11.000						
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)					
4.000	5.000	6.000		14.3	1	8.4	3.5	3.0						
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)					
95.5	1.0						13,000.000	6	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	07:30	1.50	1.50	Drill - Slide	9,607.0	9,734.0	Slide from 9607' to 9734' (127' drilled @ 84.7 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 300 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	07:30	08:00	0.50	2.00	Other	9,734.0	9,734.0	Safety standdown to discuss heat exhaustion & safety pins/keepers in derrick					
Drlg Prod	Drill Curve	08:00	09:00	1.00	3.00	Drill - Slide	9,734.0	9,797.0	Slide from 9734' to 9797' (63' drilled @ 63 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	09:00	09:30	0.50	3.50	Drill - Rotate	9,797.0	9,847.0	Rotate from 9797' to 9847' (50' drilled @ 100 fph). WOB = 25 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 650 psi, RPM = 20, Torque = 14 kft-lbs, MM RPM = 192, Total bit RPM = 212.					
Drlg Prod	Drill Curve	09:30	10:00	0.50	4.00	Drill - Slide	9,847.0	9,955.0	Slide from 9847' to 9955' (108' drilled @ 216 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 192, TFO = HS.					
Drlg Prod	Drill Curve	10:00	10:30	0.50	4.50	Drill - Rotate	9,955.0	9,986.0	Rotate from 9955' to 9986' (31' drilled @ 62 fph). WOB = 25 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 650 psi, RPM = 20, Torque = 14 kft-lbs, MM RPM = 192, Total bit RPM = 212.					
Drlg Prod	Cond Trip	10:30	11:30	1.00	5.50	Circ & Cond Mud	9,986.0	9,986.0	Circ high visc sweep around.					
Drlg Prod	Cond Trip	11:30	13:00	1.50	7.00	Ream & Wash	9,986.0	9,986.0	Wash F/9986' T/9132'					
Drlg Prod	Cond Trip	13:00	16:00	3.00	10.00	Trip	9,986.0	9,986.0	TOOH F/9132' T/BHA					
Drlg Prod	Cond Trip	16:00	17:30	1.50	11.50	Handle Tools	9,986.0	9,986.0	L/D curve assembly. P/U lateral assembly.					
Drlg Prod	Cond Trip	17:30	22:00	4.50	16.00	Trip	9,986.0	9,986.0	TIH F/BHA T/9986'					
Drlg Prod	Drill Hz	22:00	22:30	0.50	16.50	Drill - Rotate	9,986.0	10,060.0	Rotate from 9986' to 10060' (74' drilled @ 148 fph). WOB = 35 klbs, Q = 550 gpm, SPP = 2900 psi, Diff = 800 psi, RPM = 60, Torque = 18 kft-lbs, MM RPM = 176, Total bit RPM = 236.					
Drlg Prod	Drill Hz	22:30	23:00	0.50	17.00	Drill - Slide	10,060.0	10,090.0	Slide from 10060' to 10090' (30' drilled @ 60 fph). WOB = 55 klbs, Q = 550 gpm, SPP = 2450 psi, Diff = 250 psi, MM RPM = 176, TFO = 150L. Hole started seeping @10060', Pumping 20bbl 15ppb LCM sweeps.					
Drlg Prod	Drill Hz	23:00	00:00	1.00	18.00	Drill - Rotate	10,090.0	10,200.0	Rotate from 10090' to 10200' (110' drilled @ 110 fph). WOB = 40 klbs, Q = 550 gpm, SPP = 3100 psi, Diff = 900 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 176, Total bit RPM = 256.					
Drlg Prod	Drill Hz	00:00	00:30	0.50	18.50	Drill - Slide	10,200.0	10,215.0	Slide from 10200' to 10215' (15' drilled @ 30 fph). WOB = 55 klbs, Q = 550 gpm, SPP = 2450 psi, Diff = 250 psi, MM RPM = 176, TFO = 150L.					
Drlg Prod	Drill Hz	00:30	01:00	0.50	19.00	Drill - Rotate	10,215.0	10,385.0	Rotate from 10215' to 10385' (170' drilled @ 340 fph). WOB = 40 klbs, Q = 550 gpm, SPP = 3100 psi, Diff = 900 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 176, Total bit RPM = 256.					
Drlg Prod	Drill Hz	01:00	02:00	1.00	20.00	Drill - Slide	10,385.0	10,405.0	Slide from 10385' to 10405' (20' drilled @ 20 fph). WOB = 55 klbs, Q = 550 gpm, SPP = 2500 psi, Diff = 325 psi, MM RPM = 176, TFO = 90R.					
Drlg Prod	Drill Hz	02:00	02:30	0.50	20.50	Drill - Rotate	10,405.0	10,665.0	Rotate from 10405' to 10665' (260' drilled @ 520 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 3500 psi, Diff = 950 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 192, Total bit RPM = 272.					
Drlg Prod	Drill Hz	02:30	03:00	0.50	21.00	Drill - Slide	10,665.0	10,680.0	Slide from 10665' to 10680' (15' drilled @ 30 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 192, TFO = 170L.					



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 10.0, DFS: 5.52
Report Start Date: 6/22/2023 06:00
Report End Date: 6/23/2023 06:00
Depth Progress: 1,717.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 11,324.0		Total Depth (TVD) (ftKB) Original Hole - 9,652.4		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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	03:00	05:00	2.00	23.00	Drill - Rotate	10,680.0	11,145.0	Rotate from 10680' to 11145' (465' drilled @ 232.5 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 1000 psi, RPM = 80, Torque = 22 kft-lbs, MM RPM = 192, Total bit RPM = 272.								
Drlg Prod	Drill Hz	05:00	05:30	0.50	23.50	Drill - Slide	11,145.0	11,165.0	Slide from 11145' to 11165' (20' drilled @ 40 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 192, TFO = 170L.								
Drlg Prod	Drill Hz	05:30	06:00	0.50	24.00	Drill - Rotate	11,165.0	11,324.0	Rotate from 11165' to 11324' (159' drilled @ 318 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 1000 psi, RPM = 70, Torque = 22 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 SPL616	SN 67976	Bit TFA... 1.1700 0000	Depth In... 9,986.0	Depth O... 11,324.0	Drilled (ft) 1,338.0	Drill Tim... 8.00	Avg RO... 167.3	IADC Bit Dull Out -----
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-- 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)
164	Drill Pipe	S135	5	4.276	8,351.00	11,324.67	19.50	162,844.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	Agitator		6 1/2	3.25	23.63	2,973.67	101.00	2,386.6	IF	Agitator	4 1/2 IF x 4 1/2 IF		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.04	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/2	3.25	4.00	102.44	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	27.54	98.44	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	28.21	70.90	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.24	42.69	146.49	474.6	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	6/7:L 8.4:S @0.30		6 1/2	1.25	38.45	39.45			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note
Gamma		50.53		Gordon Technologies
Directional		60.80		Gordon Technologies

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed	Lower Deflection Amount 1.25	Rotor Nozzle Diameter (in) 2.000
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-- DRILL BITS -- (BHA #5 SUMMARY) Curve

Bit Run 5	Type PDC	Size (in) 7 7/8	Make NOV	Model TK63	SN A293280	Bit TFA... 1.1800 0000	Depth In... 9,115.0	Depth O... 9,986.0	Drilled (ft) 871.0	Drill Tim... 10.50	Avg RO... 83.0	IADC Bit Dull Out 1-2-WT-S-X-0-NO-BHA
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-- 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)
227	Drill Pipe	S135	5	4.276	7,022.00	9,986.03	19.50	136,929.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	Agitator		6 1/2	3.25	22.63	2,964.03	101.00	2,285.6	IF	Agitator	4 1/2 IF x 4 1/2 IF		
90	Drill Pipe	S135	5	4.276	2,847.60	2,941.40	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/2	3.25	4.00	93.80	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	27.54	89.80	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	28.21	62.26	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.14	34.05	146.49	460.0	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	7/8:L 6.4:S @ 0.28		6 5/8	2.5	29.91	30.91	146.49	4,381.5	IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note
Gamma		41.89		Gordon Technologies
Directional		52.16		Gordon Technologies

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed	Lower Deflection Amount 2.25	Rotor Nozzle Diameter (in) 2.000
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-- 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	6/22/2023	1.0	1.0		6.0	6.0	0.0	0.0
Barite (Bulk)	6/22/2023	19.72	8.0		99.21	23.0	34.49	41.72
Blower Rental	6/22/2023	2.0	2.0		12.0	12.0	0.0	0.0
Cedar Fiber	6/22/2023		20.0		640.0	39.0	361.0	240.0
Pac LV	6/22/2023		8.0		155.0	20.0	64.0	71.0
Poly Gen	6/22/2023		12.0		244.0	70.0	60.0	114.0
Poly Tech	6/22/2023		8.0		163.0	35.0	33.0	95.0
Retention Bonus (Will)	6/22/2023	1.0	1.0		3.0	3.0	0.0	0.0
Soda Ash	6/22/2023		12.0		238.0	65.0	81.0	92.0

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Report Printed: 6/23/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 10.0, DFS: 5.52
Report Start Date: 6/22/2023 06:00
Report End Date: 6/23/2023 06:00
Depth Progress: 1,717.0

API/UWI 42003487920000	Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E...) 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 11,324.0	Total Depth (TVD) (ftKB) Original Hole - 9,652.4	Latitude (decimal) (°) 32.41912370	Longitude (decimal) (°) -102.29792420	Spud Date 4/27/2023	Final Rig Release Date

-- MUD ADDITIVES --

Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
Xanthan 25#	6/22/2023		12.0		252.0	35.0	77.0	140.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)

Fluid Type	Fluid Sub Type	Source	Vol to Lease (bbl)	Vol from Lease (bbl)	Dest
Fresh Water	Drilling	Ovintiv Permitted Surface Water	0.0	0.0	

-- 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
6/23/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other	1,700.0	308.0		14,149.0	1,335.0	7,911.0	4,903.0	gal US	
6/23/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig	5,500.0	1,550.0		31,972.0	10,122.0	10,568.0	11,282.0	gal US	

-- LOST CIRCULATION --

Start Date	End Date	Ops In Prog	Top (ftKB)	Btm (ftKB)	Q Lost (bbl/hr)	Vol Lost Tot (bbl)	Com
6/22/2023 10:30		Drilling	10,060.0		38.0	300.0	

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
10,693.00	88.87	337.08	9,631.68	997.77	773.70	-639.55	1.84	-1.41	-1.18
10,883.00	88.31	337.09	9,636.35	1,184.60	948.65	-713.50	0.29	-0.29	0.01
10,978.00	87.44	336.53	9,639.87	1,278.07	1,035.91	-750.89	1.09	-0.92	-0.59
11,073.00	88.00	336.56	9,643.65	1,371.60	1,122.99	-788.67	0.59	0.59	0.03
11,324.00	88.00	336.56	9,652.41	1,618.75	1,353.14	-888.45	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	4/12/2023	4/12/2023
Surface	16	70.0	1,877.0	4/27/2023	4/28/2023
Intermediate	11	1,877.0	7,210.0	6/3/2023	6/5/2023
Production	7 7/8	7,210.0	11,324.0	6/20/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	6/5/2023 12:30	7,200.0	8 5/8	32.00	HC L-80	GBCD

-- LOT & FIT TEST --

Test Type	Test Date	Last Casing String Run	Formation Tested	Le...	Fluid Type	Dens Fl...	Vol Pum...	Comment
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-- SHAKER SCREENS --

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

Start Date	End Date	Description	P Range (psi)	Nom ID (in)	Class	Service	Last Cert Date	Height (ft)	Clear (ft)
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-- 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
6/22/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/22/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

-- SAFETY INCIDENTS --

Date	Type	IMS Plus Incident #

-- MUD PUMPS --

Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --

Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
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Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 10.0, DFS: 5.52
Report Start Date: 6/22/2023 06:00
Report End Date: 6/23/2023 06:00
Depth Progress: 1,717.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 11,324.0		Total Depth (TVD) (ftKB) Original Hole - 9,652.4		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date		

-- PERSONNEL LOG --		
Type	Company	Count
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/16/23 *Last Trip Drill: 6/16/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location		



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 11.0, DFS: 6.52
Report Start Date: 6/23/2023 06:00
Report End Date: 6/24/2023 06:00
Depth Progress: 3,859.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362									
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,183.0		Total Depth (TVD) (ftKB) Original Hole - 9,696.4		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date							
-- RIG --																							
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750				Max Torque (ft*lb) 52,000							
AFE Number 23213328D				Job AFE Amt (Cost) \$3,916,200				Total AFE Supplemental Amount (Cost) \$0				Total AFE + Supp Amount (Cost) 3,916,200.00				Total Final Invoice (Cost) \$995,839							
-- OPERATIONS SUMMARY --																							
Start Depth (ftKB) 11,324.0				Start Depth (TVD) (ftKB) 9,651.6				Problem Time Hours (hr) 0.00				Percent Problem Time (%) 0.00				Daily Mud Field Est (Cost) \$19,803				Daily Field Est Total (Cost) \$98,000			
End Depth (ftKB) 15,183.0				End Depth (TVD) (ftKB) 9,696.4				Cum Problem Time Days (days) 0.583				Cum Percent Problem Time (%) 6.51				Cum Mud Field Est (Cost) \$72,325				Cum Field Est To Date (Cost) \$2,256,122			
Target Depth (MD) (ftKB) 20,016.0				Target Formation Lower Lower Spraberry				Hole Condition Good				Weather Clear				Temperature (°F) 108.0				Road Condition Fair			
24 Hr Summary Drilled from 11324' to 15183' (3859' drilled in 23.5 hrs @ avg ROP of 164.2 fph). Rotate 3597' in 16.5 hrs @ 218 fph. Slide 262' in 7 hrs @ 37.4 fph. Lateral drilled past 80 deg = 5303'. Lateral remaining = 4833'. Last survey @14773' Inc. 88.95, Azm 347.52. Below 14.5', Left 7.8'.Hole seeping avg 15bbl/hr Pumping 20bbl LCM sweeps.																							
AM Ops Drilling 7-7/8" Lateral @15183'								Ops Forecast Drill 7-7/8" Lateral Plan #3															
-- RIG SAFETY PERFORMANCE --																							
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)						MACP (psi)				WB Depth @ 6am (ftKB)									
65.00				65.00																			
-- MUD CHECKS --																							
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)							
6/23/2023 20:00		Water based		Active		13,154.0		8.90		32		5.0		9.000									
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)							
3.000		4.000		5.000		19.5		1		8.7		5.0		4.6									
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)							
93.0		2.0										13,000.000		3		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	07:00	1.00	1.00	Drill - Rotat e	11,324.0	11,330.0	Rotate from 11324' to 11330' (6' drilled @ 6 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 1000 psi, RPM = 75, Torque = 24 kft-lbs, MM RPM = 192, Total bit RPM = 267.												
Drlg Prod		Drill Hz		07:00	07:30	0.50	1.50	Drill - Slide	11,330.0	11,340.0	Slide from 11330' to 11340' (10' drilled @ 20 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 192, TFO = 20R.												
Drlg Prod		Drill Hz		07:30	09:30	2.00	3.50	Drill - Rotat e	11,340.0	11,905.0	Rotate from 11340' to 11905' (565' drilled @ 282.5 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3700 psi, Diff = 1000 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 272.												
Drlg Prod		Drill Hz		09:30	10:00	0.50	4.00	Drill - Slide	11,905.0	11,930.0	Slide from 11905' to 11930' (25' drilled @ 50 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 192, TFO = 70R.												
Drlg Prod		Drill Hz		10:00	10:30	0.50	4.50	Drill - Rotat e	11,930.0	12,005.0	Rotate from 11930' to 12005' (75' drilled @ 150 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 1000 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 192, Total bit RPM = 262.												
Drlg Prod		Drill Hz		10:30	11:00	0.50	5.00	Drill - Slide	12,005.0	12,035.0	Slide from 12005' to 12035' (30' drilled @ 60 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 2900 psi, Diff = 350 psi, MM RPM = 192, TFO = 70R.												
Drlg Prod		Drill Hz		11:00	12:00	1.00	6.00	Drill - Rotat e	12,035.0	12,285.0	Rotate from 12035' to 12285' (250' drilled @ 250 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 1000 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 192, Total bit RPM = 262.												
Drlg Prod		Drill Hz		12:00	12:30	0.50	6.50	Drill - Slide	12,285.0	12,310.0	Slide from 12285' to 12310' (25' drilled @ 50 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3000 psi, Diff = 350 psi, MM RPM = 192, TFO = 60R.												
Drlg Prod		Drill Hz		12:30	13:30	1.00	7.50	Drill - Rotat e	12,310.0	12,470.0	Rotate from 12310' to 12470' (160' drilled @ 160 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 1000 psi, RPM = 80, Torque = 27 kft-lbs, MM RPM = 192, Total bit RPM = 272.												
Drlg Prod		Drill Hz		13:30	14:00	0.50	8.00	Drill - Slide	12,470.0	12,490.0	Slide from 12470' to 12490' (20' drilled @ 40 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3000 psi, Diff = 350 psi, MM RPM = 192, TFO = 30L.												
Drlg Prod		Drill Hz		14:00	14:30	0.50	8.50	Drill - Rotat e	12,490.0	12,565.0	Rotate from 12490' to 12565' (75' drilled @ 150 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 1000 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.												
Drlg Prod		Drill Hz		14:30	15:00	0.50	9.00	Drill - Slide	12,565.0	12,580.0	Slide from 12565' to 12580' (15' drilled @ 30 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3000 psi, Diff = 350 psi, MM RPM = 192, TFO = 180.												
Drlg Prod		Drill Hz		15:00	15:30	0.50	9.50	Drill - Rotat e	12,580.0	12,660.0	Rotate from 12580' to 12660' (80' drilled @ 160 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3900 psi, Diff = 1000 psi, RPM = 80, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 272.												
Drlg Prod		Drill Hz		15:30	16:00	0.50	10.00	Drill - Slide	12,660.0	12,680.0	Slide from 12660' to 12680' (20' drilled @ 40 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3000 psi, Diff = 350 psi, MM RPM = 192, TFO = 160L.												
Drlg Prod		Drill Hz		16:00	16:30	0.50	10.50	Drill - Rotat e	12,680.0	12,850.0	Rotate from 12680' to 12850' (170' drilled @ 340 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 1000 psi, RPM = 85, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 277.												
Drlg Prod		Drill Hz		16:30	17:00	0.50	11.00	Drill - Slide	12,850.0	12,875.0	Slide from 12850' to 12875' (25' drilled @ 50 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3000 psi, Diff = 350 psi, MM RPM = 192, TFO = 180.												
Drlg Prod		Drill Hz		17:00	17:30	0.50	11.50	Drill - Rotat e	12,875.0	12,937.0	Rotate from 12875' to 12937' (62' drilled @ 124 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 1000 psi, RPM = 85, Torque = 28 kft-lbs, MM RPM = 192, Total bit RPM = 277.												
Drlg Prod		Drill Hz		17:30	18:00	0.50	12.00	Rig Servi ce	12,937.0	12,937.0	Rig Service												
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Report Printed: 6/24/2023																							



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 11.0, DFS: 6.52
Report Start Date: 6/23/2023 06:00
Report End Date: 6/24/2023 06:00
Depth Progress: 3,859.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,183.0		Total Depth (TVD) (ftKB) Original Hole - 9,696.4		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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	18:00	18:30	0.50	12.50	Drill - Rotat e	12,937.0	13,135.0	Rotate from 12937' to 13135' (198' drilled @ 396 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 900 psi, RPM = 70, Torque = 26 kft-lbs, MM RPM = 192, Total bit RPM = 262.	
Drlg Prod	Drill Hz	18:30	19:00	0.50	13.00	Drill - Slide	13,135.0	13,152.0	Slide from 13135' to 13152' (17' drilled @ 34 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 300 psi, MM RPM = 192, TFO = 40R.	
Drlg Prod	Drill Hz	19:00	19:30	0.50	13.50	Drill - Rotat e	13,152.0	13,235.0	Rotate from 13152' to 13235' (83' drilled @ 166 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 900 psi, RPM = 75, Torque = 25 kft-lbs, MM RPM = 192, Total bit RPM = 267.	
Drlg Prod	Drill Hz	19:30	20:00	0.50	14.00	Drill - Slide	13,235.0	13,250.0	Slide from 13235' to 13250' (15' drilled @ 30 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 3200 psi, Diff = 300 psi, MM RPM = 192, TFO = 10R.	
Drlg Prod	Drill Hz	20:00	01:00	5.00	19.00	Drill - Rotat e	13,250.0	14,473.0	Rotate from 13250' to 14473' (1223' drilled @ 244.6 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 900 psi, RPM = 70, Torque = 29 kft-lbs, MM RPM = 192, Total bit RPM = 262.	
Drlg Prod	Drill Hz	01:00	02:00	1.00	20.00	Drill - Slide	14,473.0	14,498.0	Slide from 14473' to 14498' (25' drilled @ 25 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 300 psi, MM RPM = 192, TFO = 80R.	
Drlg Prod	Drill Hz	02:00	03:00	1.00	21.00	Drill - Rotat e	14,498.0	14,750.0	Rotate from 14498' to 14750' (252' drilled @ 252 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 4200 psi, Diff = 1000 psi, RPM = 65, Torque = 33 kft-lbs, MM RPM = 192, Total bit RPM = 257.	
Drlg Prod	Drill Hz	03:00	03:30	0.50	21.50	Drill - Slide	14,750.0	14,775.0	Slide from 14750' to 14775' (25' drilled @ 50 fph). WOB = 52 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 225 psi, MM RPM = 192, TFO = 40R.	
Drlg Prod	Drill Hz	03:30	04:00	0.50	22.00	Drill - Rotat e	14,775.0	14,854.0	Rotate from 14775' to 14854' (79' drilled @ 158 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 4200 psi, Diff = 1000 psi, RPM = 70, Torque = 33 kft-lbs, MM RPM = 192, Total bit RPM = 262.	
Drlg Prod	Drill Hz	04:00	04:30	0.50	22.50	Drill - Slide	14,854.0	14,864.0	Slide from 14854' to 14864' (10' drilled @ 20 fph). WOB = 52 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 225 psi, MM RPM = 192, TFO = 10R.	
Drlg Prod	Drill Hz	04:30	06:00	1.50	24.00	Drill - Rotat e	14,864.0	15,183.0	Rotate from 14864' to 15183' (319' drilled @ 212.7 fph). WOB = 48 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 900 psi, RPM = 70, Torque = 32 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 SPL616	SN 67976	Bit TFA... 1.1700 0000	Depth In... 9,986.0	Depth O... 15,183. 0	Drilled (ft) 5,197.0	Drill Tim... 31.50	Avg RO... 165.0	IADC Bit Dull Out -----
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-- 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)
386	Drill Pipe	S135	5	4.276	12,210.00	15,183.67	19.50	238,095.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	Agitator		6 1/2	3.25	23.63	2,973.67	101.00	2,386.6	IF	Agitator	4 1/2 IF x 4 1/2 IF		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.04	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/2	3.25	4.00	102.44	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	27.54	98.44	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	28.21	70.90	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.24	42.69	146.49	474.6	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	6/7:L 8.4:S @0.30		6 1/2	1.25	38.45	39.45			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type			Sensor-Bit (ft)			Note		
Gamma			50.53			Gordon Technologies		
Directional			60.80			Gordon Technologies		

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type Fixed	Lower Deflection Amount 1.25	Rotor Nozzle Diameter (in) 2.000
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-- 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	6/23/2023	1.0	1.0		7.0	7.0	0.0	0.0
Blower Rental	6/23/2023	2.0	2.0		14.0	14.0	0.0	0.0
Cedar Fiber	6/23/2023		70.0		640.0	109.0	361.0	170.0
Clean Lube	6/23/2023		365.0		2,750.0	365.0	1,590.0	795.0
Freight	6/23/2023	962.63	962.63		5,649.3	5,649.3	0.0	0.0
GenShield	6/23/2023		50.0		215.0	50.0	0.0	165.0
GenWet	6/23/2023		20.0		545.0	20.0	255.0	270.0
MEA	6/23/2023		30.0		280.0	30.0	60.0	190.0
Myacide GA 25	6/23/2023		6.0		57.0	8.0	21.0	28.0
Pac LV	6/23/2023		7.0		155.0	27.0	64.0	64.0
Poly Gen	6/23/2023		13.0		244.0	83.0	60.0	101.0
Poly Tech	6/23/2023		7.0		163.0	42.0	33.0	88.0
Retention Bonus (Will)	6/23/2023	1.0	1.0		4.0	4.0	0.0	0.0
Soda Ash	6/23/2023		10.0		238.0	75.0	81.0	82.0
Sodium Sulfite	6/23/2023		9.0		109.0	37.0	11.0	61.0

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Report Printed: 6/24/2023



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 11.0, DFS: 6.52

Report Start Date: 6/23/2023 06:00

Report End Date: 6/24/2023 06:00

Depth Progress: 3,859.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 15,183.0		Total Depth (TVD) (ftKB) Original Hole - 9,696.4			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- PERSONNEL LOG --		
Type	Company	Count
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/23/23 *Last Trip Drill: 6/23/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 6/15/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 12.0, DFS: 7.52
Report Start Date: 6/24/2023 06:00
Report End Date: 6/25/2023 06:00
Depth Progress: 3,005.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362					
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,188.0		Total Depth (TVD) (ftKB) Original Hole - 9,700.2		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date			
-- RIG --																			
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750				Max Torque (ft*lb) 52,000			
AFE Number 23213328D				Job AFE Amt (Cost) \$3,916,200				Total AFE Supplemental Amount (Cost) \$0				Total AFE + Supp Amount (Cost) 3,916,200.00				Total Final Invoice (Cost) \$995,839			
-- OPERATIONS SUMMARY --																			
Start Depth (ftKB) 15,183.0		Start Depth (TVD) (ftKB) 9,688.6				Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost) \$34,603				Daily Field Est Total (Cost) \$111,200					
End Depth (ftKB) 18,188.0		End Depth (TVD) (ftKB) 9,700.2				Cum Problem Time Days (days) 0.583		Cum Percent Problem Time (%) 5.86		Cum Mud Field Est (Cost) \$106,599				Cum Field Est To Date (Cost) \$2,367,322					
Target Depth (MD) (ftKB) 20,016.0		Target Formation Lower Lower Spraberry				Hole Condition Good		Weather Clear		Temperature (°F) 107.0				Road Condition Fair					
24 Hr Summary Drilled from 15183' to 18188' (3005' drilled in 23.5 hrs @ avg ROP of 127.9 fph). Rotate 2826' in 16 hrs @ 176.6 fph. Slide 179' in 7.5 hrs @ 23.9 fph. Lateral drilled past 80 deg = 8308'. Lateral remaining = 1828'. Last survey @17904' Inc. 91.72, Azm 347.61. Below 13.2', Right 32.1'. Hole seeping avg 15bbl/hr Pumping 20bbl LCM sweeps.																			
AM Ops Drilling 7-7/8" Lateral @18188'								Ops Forecast Drill 7-7/8" Lateral Plan #3, Circ hole clean, TOOH to run 5.5"/6" csg.											
-- RIG SAFETY PERFORMANCE --																			
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)							
66.00				66.00															
-- MUD CHECKS --																			
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)			
6/24/2023 20:00		Water based		Active		16,757.0		8.90		31		5.0		9.000					
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)			
3.000		4.000		5.000		19.8		1		8.7		3.5		3.3					
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)			
94.5		2.0										8,500.000		4		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	15,183.0	15,415.0	Rotate from 15183' to 15415' (232' drilled @ 116 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 4200 psi, Diff = 900 psi, RPM = 85, Torque = 34 kft-lbs, MM RPM = 192, Total bit RPM = 277.										
Drlg Prod	Drill Hz	08:00	09:00	1.00	3.00	Drill - Slide	15,415.0	15,440.0	Slide from 15415' to 15440' (25' drilled @ 25 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 225 psi, MM RPM = 192, TFO = 130R.										
Drlg Prod	Drill Hz	09:00	10:00	1.00	4.00	Drill - Rotat e	15,440.0	15,700.0	Rotate from 15440' to 15700' (260' drilled @ 260 fph). WOB = 50 klbs, Q = 600 gpm, SPP = 4200 psi, Diff = 900 psi, RPM = 80, Torque = 34 kft-lbs, MM RPM = 192, Total bit RPM = 272.										
Drlg Prod	Drill Hz	10:00	11:00	1.00	5.00	Drill - Slide	15,700.0	15,730.0	Slide from 15700' to 15730' (30' drilled @ 30 fph). WOB = 55 klbs, Q = 600 gpm, SPP = 3300 psi, Diff = 225 psi, MM RPM = 192, TFO = 90R.										
Drlg Prod	Drill Hz	11:00	14:00	3.00	8.00	Drill - Rotat e	15,730.0	16,362.0	Rotate from 15730' to 16362' (632' drilled @ 210.7 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 900 psi, RPM = 85, Torque = 36 kft-lbs, MM RPM = 192, Total bit RPM = 277.										
Drlg Prod	Drill Hz	14:00	15:00	1.00	9.00	Drill - Slide	16,362.0	16,392.0	Slide from 16362' to 16392' (30' drilled @ 30 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3500 psi, Diff = 300 psi, MM RPM = 192, TFO = 10L.										
Drlg Prod	Drill Hz	15:00	16:00	1.00	10.00	Drill - Rotat e	16,392.0	16,555.0	Rotate from 16392' to 16555' (163' drilled @ 163 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 900 psi, RPM = 85, Torque = 36 kft-lbs, MM RPM = 192, Total bit RPM = 277.										
Drlg Prod	Drill Hz	16:00	17:00	1.00	11.00	Drill - Slide	16,555.0	16,580.0	Slide from 16555' to 16580' (25' drilled @ 25 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3700 psi, Diff = 300 psi, MM RPM = 192, TFO = 140L.										
Drlg Prod	Drill Hz	17:00	17:30	0.50	11.50	Drill - Rotat e	16,580.0	16,669.0	Rotate from 16580' to 16669' (89' drilled @ 178 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4200 psi, Diff = 800 psi, RPM = 85, Torque = 34 kft-lbs, MM RPM = 192, Total bit RPM = 277.										
Drlg Prod	Drill Hz	17:30	18:00	0.50	12.00	Rig Servi ce	16,669.0	16,669.0	Rig Service										
Drlg Prod	Drill Hz	18:00	18:30	0.50	12.50	Drill - Rotat e	16,669.0	16,747.0	Rotate from 16669' to 16747' (78' drilled @ 156 fph). WOB = 45 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 750 psi, RPM = 85, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 277.										
Drlg Prod	Drill Hz	18:30	19:00	0.50	13.00	Drill - Slide	16,747.0	16,759.0	Slide from 16747' to 16759' (12' drilled @ 24 fph). WOB = 60 klbs, Q = 600 gpm, SPP = 3700 psi, Diff = 300 psi, MM RPM = 192, TFO = 180.										
Drlg Prod	Drill Hz	19:00	23:30	4.50	17.50	Drill - Rotat e	16,759.0	17,500.0	Rotate from 16759' to 17500' (741' drilled @ 164.7 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 4000 psi, Diff = 700 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.										
Drlg Prod	Drill Hz	23:30	00:30	1.00	18.50	Drill - Slide	17,500.0	17,525.0	Slide from 17500' to 17525' (25' drilled @ 25 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 250 psi, MM RPM = 192, TFO = 20L.										
Drlg Prod	Drill Hz	00:30	01:00	0.50	19.00	Drill - Rotat e	17,525.0	17,623.0	Rotate from 17525' to 17623' (98' drilled @ 196 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 750 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.										
Drlg Prod	Drill Hz	01:00	02:00	1.00	20.00	Drill - Slide	17,623.0	17,643.0	Slide from 17623' to 17643' (20' drilled @ 20 fph). WOB = 43 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 250 psi, MM RPM = 192, TFO = 70L.										
Drlg Prod	Drill Hz	02:00	03:30	1.50	21.50	Drill - Rotat e	17,643.0	17,899.0	Rotate from 17643' to 17899' (256' drilled @ 170.7 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 750 psi, RPM = 80, Torque = 32 kft-lbs, MM RPM = 192, Total bit RPM = 272.										
Drlg Prod	Drill Hz	03:30	04:30	1.00	22.50	Drill - Slide	17,899.0	17,911.0	Slide from 17899' to 17911' (12' drilled @ 12 fph). WOB = 43 klbs, Q = 600 gpm, SPP = 3600 psi, Diff = 250 psi, MM RPM = 192, TFO = 70L.										



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 12.0, DFS: 7.52
Report Start Date: 6/24/2023 06:00
Report End Date: 6/25/2023 06:00
Depth Progress: 3,005.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 18,188.0		Total Depth (TVD) (ftKB) Original Hole - 9,700.2			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- 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	4/12/2023	4/12/2023
Surface		16	70.0	1,877.0	4/27/2023	4/28/2023
Intermediate		11	1,877.0	7,210.0	6/3/2023	6/5/2023
Production		7 7/8	7,210.0	18,188.0	6/20/2023	

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	6/5/2023 12:30	7,200.0	8 5/8	32.00	HC L-80	GBCD

-- 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
6/24/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/24/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
Contractor	Altitude Energy Partners, LLC	2
Contractor	Gordon Technologies, LLC	1
Contractor	Sun Drilling Products Corporat (CA Use)	0



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 12.0, DFS: 7.52

Report Start Date: 6/24/2023 06:00

Report End Date: 6/25/2023 06:00

Depth Progress: 3,005.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 18,188.0		Total Depth (TVD) (ftKB) Original Hole - 9,700.2			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- REMARKS --

Remarks

Well Control:

*Last BOP Drill: 6/23/23

*Last Trip Drill: 6/23/23

*Annular Element: 2/14/23

*Surface Casing Tested to 1,500 psi on: 4/27/23

*Intermediate Casing Tested to 1500 psi on: 6/20/23

*Last BOP Test: 6/20/23

*Next BOP Test: 7/11/23

Tubulars:

*741 Jts 5" Delta 527 19.5# DP (Workstring Rental)

*618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned)

*12 Jts 5" Delta 527 HWDP (Work string Rentals)

*9 jt 6 3/4" DC's on location-rental (Knight Oil Tools)

*1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller

*Last BHA Inspection: 6/15/23

*Last 5" Delta 527 DP inspection: 5/12/23

*Saver sub changed: 6/12/23

Rig Contractor: H&P 553

Labor: Days 6 Hands - Nights 5 Hands

Equipment Issues:

•Agitator blades need changing out. On location



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 13.0, DFS: 8.52
Report Start Date: 6/25/2023 06:00
Report End Date: 6/26/2023 06:00
Depth Progress: 1,305.0

WPI/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362									
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date							
-- RIG --																							
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750				Max Torque (ft*lb) 52,000							
AFE Number 23213328D				Job AFE Amt (Cost) \$3,916,200				Total AFE Supplemental Amount (Cost) \$0				Total AFE + Supp Amount (Cost) 3,916,200.00				Total Final Invoice (Cost) \$995,839							
-- OPERATIONS SUMMARY --																							
Start Depth (ftKB) 18,188.0				Start Depth (TVD) (ftKB) 9,702.1				Problem Time Hours (hr) 11.00				Percent Problem Time (%) 45.83				Daily Mud Field Est (Cost) \$13,432				Daily Field Est Total (Cost) \$104,800			
End Depth (ftKB) 19,493.0				End Depth (TVD) (ftKB) 9,703.9				Cum Problem Time Days (days) 1.042				Cum Percent Problem Time (%) 9.51				Cum Mud Field Est (Cost) \$120,031				Cum Field Est To Date (Cost) \$2,472,222			
Target Depth (MD) (ftKB) 20,016.0				Target Formation Lower Lower Spraberry				Hole Condition Good				Weather Clear				Temperature (°F) 110.0				Road Condition Fair			
24 Hr Summary Drilled from 18188' to 19493' (1305' drilled in 13 hrs @ avg ROP of 100.4 fph). Rotate 1182' in 9 hrs @ 131.3 fph. Slide 123' in 4 hrs @ 30.8 fph. Lateral drilled past 80 deg = 9613'. Lateral remaining = 490'. Last survey @19422' Inc. 88.84, Azm 346.56. Below 12.1', Right 9.3'.Circ 2 high visc sweeps around, prepare to TOO H due to ROP. Wash/ream F/19493' T/19149', Lost 12k torque & 2000psi @19149'Circ high visc sweep around @19149' Sweep came back @ 7600stks.Wash F/19149' T/18719'. TOO H F/18719' T/9915', Top of stand 96, tube twisted off 2.5' below box. 9234' left in hole. TOF @ 9915' Rig service while waiting on fishing tools.																							
AM Ops Rig Service while waiting on fishing tools								Ops Forecast TIH w/ fishing tools															
-- RIG SAFETY PERFORMANCE --																							
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)						MACP (psi)				WB Depth @ 6am (ftKB)									
67.00				67.00																			
-- MUD CHECKS --																							
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)							
6/25/2023 20:00		Water based		Active		19,493.0		9.10		32		5.0		8.000									
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)							
2.000		3.000		4.000		18.2		1		8.8		5.0		4.9									
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)							
92.0		3.0										8,000.000		3		0.0							
-- INTERVAL PROBLEMS (NPT) --																							
Problem Type Bit		Problem Subtype		Dur (Net) (hr)		Start Date 6/25/2023 19:00		End Date		Start Depth (... 19,493.0		End Depth (f... 19,493.0		Description Trip due to ROP				Ref # 4					
Problem Type Drill String		Problem Subtype		Dur (Net) (hr)		Start Date 6/26/2023 05:30		End Date		Start Depth (... 19,493.0		End Depth (f... 19,493.0		Description Fishing				Ref # 5					
-- 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	08:30	2.50	2.50	Drill - Rotate	18,188.0	18,540.0	Rotate from 18188' to 18540' (352' drilled @ 140.8 fph). WOB = 47 klbs, Q = 600 gpm, SPP = 4100 psi, Diff = 800 psi, RPM = 80, Torque = 34 kft-lbs, MM RPM = 192, Total bit RPM = 272.														
Drlg Prod	Drill Hz	08:30	09:30	1.00	3.50	Drill - Slide	18,540.0	18,565.0	Slide from 18540' to 18565' (25' drilled @ 25 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 250 psi, MM RPM = 192, TFO = 10L.														
Drlg Prod	Drill Hz	09:30	12:00	2.50	6.00	Drill - Rotate	18,565.0	18,920.0	Rotate from 18565' to 18920' (355' drilled @ 142 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 650 psi, RPM = 85, Torque = 36 kft-lbs, MM RPM = 192, Total bit RPM = 277.														
Drlg Prod	Drill Hz	12:00	13:00	1.00	7.00	Drill - Slide	18,920.0	18,950.0	Slide from 18920' to 18950' (30' drilled @ 30 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 250 psi, MM RPM = 192, TFO = 150L.														
Drlg Prod	Drill Hz	13:00	14:00	1.00	8.00	Drill - Rotate	18,950.0	19,110.0	Rotate from 18950' to 19110' (160' drilled @ 160 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 650 psi, RPM = 85, Torque = 36 kft-lbs, MM RPM = 192, Total bit RPM = 277.														
Drlg Prod	Drill Hz	14:00	15:00	1.00	9.00	Drill - Slide	19,110.0	19,140.0	Slide from 19110' to 19140' (30' drilled @ 30 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 250 psi, MM RPM = 192, TFO = 160L.														
Drlg Prod	Drill Hz	15:00	17:00	2.00	11.00	Drill - Rotate	19,140.0	19,415.0	Rotate from 19140' to 19415' (275' drilled @ 137.5 fph). WOB = 42 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 650 psi, RPM = 85, Torque = 36 kft-lbs, MM RPM = 192, Total bit RPM = 277.														
Drlg Prod	Drill Hz	17:00	18:00	1.00	12.00	Drill - Slide	19,415.0	19,453.0	Slide from 19415' to 19453' (38' drilled @ 38 fph). WOB = 65 klbs, Q = 600 gpm, SPP = 3800 psi, Diff = 250 psi, MM RPM = 192, TFO = 20L.														
Drlg Prod	Drill Hz	18:00	19:00	1.00	13.00	Drill - Rotate	19,453.0	19,493.0	Rotate from 19453' to 19493' (40' drilled @ 40 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 4300 psi, Diff = 600 psi, RPM = 80, Torque = 38 kft-lbs, MM RPM = 192, Total bit RPM = 272.														
Drlg Prod	Cond Trip	19:00	22:00	3.00	16.00	Circ & Cond Mud	19,493.0	19,493.0	Circ 2 high visc sweeps around, prepare to TOO H due to ROP							4							
Drlg Prod	Cond Trip	22:00	22:30	0.50	16.50	Ream & Wash	19,493.0	19,493.0	Wash/ream F/19493' T/19149', Lost 12k torque & 2000psi @19149'							4							
Drlg Prod	Cond Trip	22:30	00:30	2.00	18.50	Circ & Cond Mud	19,493.0	19,493.0	Circ high visc sweep around @19149' Sweep came back @ 7600stks							4							
Drlg Prod	Cond Trip	00:30	01:30	1.00	19.50	Ream & Wash	19,493.0	19,493.0	Wash F/19149' T/18719'							4							
Drlg Prod	Cond Trip	01:30	05:30	4.00	23.50	Trip	19,493.0	19,493.0	TOOH F/18719' T/9915', Top of stand 96, tube twisted off 2.5' below box. 9234' left in hole. TOF @ 9915'							4							
Drlg Prod	Cond Trip	05:30	06:00	0.50	24.00	Rig Service	19,493.0	19,493.0	Rig service, while waiting on fishing tools.							4, 5							
-- DRILL BITS -- (BHA #6 SUMMARY) Lateral																							
Bit Run 6	Type PDC	Size (in) 7 7/8	Make Ulterra			Model SPL616		SN 67976	Bit TFA... 1.1700 0000	Depth In... 9,986.0	Depth O... 19,493.0	Drilled (ft) 9,507.0	Drill Tim... 68.00	Avg RO... 139.8	IADC Bit Dull Out -----								

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Report Printed: 6/26/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 13.0, DFS: 8.52
Report Start Date: 6/25/2023 06:00
Report End Date: 6/26/2023 06:00
Depth Progress: 1,305.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362						
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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)			
524	Drill Pipe			S135	5	4.276	16,520.00	19,493.67	19.50	322,140.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527							
1	Agitator				6 1/2	3.25	23.63	2,973.67	101.00	2,386.6	IF	Agitator	4 1/2 IF x 4 1/2 IF							
90	Drill Pipe			S135	5	4.276	2,847.60	2,950.04	19.50	55,528.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527							
1	XO Sub				6 1/2	3.25	4.00	102.44	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF							
1	NMDC				6 3/4	3.25	27.54	98.44	146.49	4,034.3	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF							
1	NMDC				6 11/16	3.25	28.21	70.90	146.49	4,132.5	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF							
1	UBHO				6 1/2	3.25	3.24	42.69	146.49	474.6	IF	MWD	4 1/2 IF x 4 1/2 IF							
1	6/7:L 8.4:S @0.30				6 1/2	1.25	38.45	39.45			IF	Motor 2	4 1/2 IF x 4 1/2 Reg							
-- DOWNHOLE SENSORS --																				
Sensor Type						Sensor-Bit (ft)						Note								
Gamma												50.53 Gordon Technologies								
Directional												60.80 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				6/25/2023			1.0		1.0				9.0		9.0		0.0		0.0	
Blower Rental				6/25/2023			2.0		2.0				18.0		18.0		0.0		0.0	
Cedar Fiber				6/25/2023					24.0				1,120.0		279.0		361.0		480.0	
Clean Lube				6/25/2023					265.0				2,750.0		895.0		1,590.0		265.0	
Freight				6/25/2023			1,416.76		1,416.76				7,066.06		7,066.06		0.0		0.0	
Poly Gen				6/25/2023					12.0				244.0		136.0		60.0		48.0	
Poly Tech				6/25/2023					16.0				163.0		74.0		33.0		56.0	
Retention Bonus (Will)				6/25/2023			1.0		1.0				6.0		6.0		0.0		0.0	
Soda Ash				6/25/2023					20.0				238.0		121.0		81.0		36.0	
Sodium Sulfite				6/25/2023					13.0				109.0		62.0		11.0		36.0	
Xanthan 25#				6/25/2023					2.0				252.0		85.0		77.0		90.0	
-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)																				
Fluid Type		Fluid Sub Type				Source				Vol to Lease (bbl)		Vol from Lease (bbl)		Dest						
Fresh Water		Drilling				Ovintiv Permitted Surface Water				0.0		0.0								
-- 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						
6/26/2023	Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Other		136.0		14,149.0	2,262.0	7,911.0	3,976.0	gal US							
6/25/2023	Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig	7,200.0	3,340.0		39,172.0	19,532.0	10,568.0	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 (°)		Azm (°)		TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)		DLS (°/100ft)	Build (°/100ft)		Turn (°/100ft)							
19,138.00	89.51		346.35		9,695.14	9,343.46	8,957.06	-2,659.26		2.69	-2.68		-0.12							
19,233.00	88.47		346.52		9,696.82	9,438.32	9,049.39	-2,681.54		1.11	-1.09		0.18							
19,327.00	87.91		346.47		9,699.79	9,532.16	9,140.75	-2,703.48		0.60	-0.60		-0.05							
19,422.00	88.84		346.56		9,702.48	9,626.99	9,233.09	-2,725.63		0.98	0.98		0.09							
19,493.00	88.84		346.56		9,703.92	9,697.88	9,302.13	-2,742.13		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		4/12/2023			4/12/2023						
Surface					16		70.0		1,877.0		4/27/2023			4/28/2023						
Intermediate					11		1,877.0		7,210.0		6/3/2023			6/5/2023						
Production					7 7/8		7,210.0		19,493.0		6/20/2023									
-- LAST CASING RUN --																				
Csg Des		Run Date			Set Depth (ftKB)			OD (in)		Wt/Len (lb/ft)		Grade			Top Thread					
Intermediate 1		6/5/2023 12:30			7,200.0			8 5/8		32.00		HC L-80			GBCD					
-- 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)						
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Report Printed: 6/26/2023																				



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 13.0, DFS: 8.52
Report Start Date: 6/25/2023 06:00
Report End Date: 6/26/2023 06:00
Depth Progress: 1,305.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		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
6/25/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/25/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --					
Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drlg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/23/23 *Last Trip Drill: 6/23/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 6/15/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location		



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 14.0, DFS: 9.52
Report Start Date: 6/26/2023 06:00
Report End Date: 6/27/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750			Max Torque (ft*lb) 52,000		
AFE Number 23213328D			Job AFE Amt (Cost) \$3,916,200			Total AFE Supplemental Amount (Cost) \$0			Total AFE + Supp Amount (Cost) 3,916,200.00			Total Final Invoice (Cost) \$998,692		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 19,493.0	Start Depth (TVD) (ftKB) 9,703.9	Problem Time Hours (hr) 24.00	Percent Problem Time (%) 100.00	Daily Mud Field Est (Cost) \$19,795	Daily Field Est Total (Cost) \$92,000
End Depth (ftKB) 19,493.0	End Depth (TVD) (ftKB) 9,703.9	Cum Problem Time Days (days) 2.042	Cum Percent Problem Time (%) 17.07	Cum Mud Field Est (Cost) \$139,826	Cum Field Est To Date (Cost) \$2,564,222
Target Depth (MD) (ftKB) 20,016.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 110.0	Road Condition Fair
24 Hr Summary Wait on Fishing Tools; P/U & M/U Fishing BHA; TIH T/9711'. Work pipe down to fish F/9711' T/9926', Latch on fish @9930'. Work fish down & jar loose. Wash F/19164' T/17470' while spotting 300bbl bead/lube pill. TOOH F/17470' T/9234'. L/D fishing tools & fish jt.					
AM Ops L/D fishing tools @9234'			Ops Forecast TOOH & C/O BHA. TIH & drill 7-7/8" lateral.		

-- RIG SAFETY PERFORMANCE --														
Days Since Last LTI (days)			Days Since Last Reportable Inc (days)			MACP (psi)			WB Depth @ 6am (ftKB)					
68.00			68.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)
6/26/2023 20:00	Water based	Active		19,493.0		9.20		34		6.0		8.000		
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)
3.000	4.000	5.000		19.0		1		8.6		5.3		5.2		
H2O (%)	Oil (%)	MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)
91.8	3.0									8,000.000		5		0.0

-- INTERVAL PROBLEMS (NPT) --														
Problem Type Bit	Problem Subtype	Dur (Net) (hr)		Start Date 6/25/2023 19:00		End Date		Start Depth (... 19,493.0		End Depth (f... 19,493.0		Description Trip due to ROP		Ref # 4
Problem Type Drill String	Problem Subtype	Dur (Net) (hr) 24.50		Start Date 6/26/2023 05:30		End Date 6/27/2023 06:00		Start Depth (... 19,493.0		End Depth (f... 19,493.0		Description Fishing		Ref # 5
Problem Type Rig Repair - ST-80	Problem Subtype Code 8	Dur (Net) (hr) 0.50		Start Date 6/26/2023 17:00		End Date 6/26/2023 17:30		Start Depth (... 19,493.0		End Depth (f... 19,493.0		Description C/O hyd hose ST-80		Ref # 6

-- 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	12:30	6.50	6.50	Wait	19,493.0	19,493.0	Wait on fishing tools					4, 5
Drlg Prod	Cond Trip	12:30	14:00	1.50	8.00	Handle Tools	19,493.0	19,493.0	P/U grapple & M/U crossovers					4, 5
Drlg Prod	Cond Trip	14:00	14:30	0.50	8.50	Trip	19,493.0	19,493.0	TIH T/2942'					4, 5
Drlg Prod	Cond Trip	14:30	15:30	1.00	9.50	Handle Tools	19,493.0	19,493.0	P/U jars, bumper sub & 3 HWDP					4, 5
Drlg Prod	Cond Trip	15:30	16:30	1.00	10.50	Trip	19,493.0	19,493.0	TIH F/2,942' T/5,600'					4, 5
Drlg Prod	Cond Trip	16:30	17:00	0.50	11.00	Rig Service	19,493.0	19,493.0	Rig Service					4, 5
Drlg Prod	Cond Trip	17:00	17:30	0.50	11.50	Rig Repair	19,493.0	19,493.0	C/O ST-80 Hydraluic Hose					4, 5, 6
Drlg Prod	Cond Trip	17:30	19:30	2.00	13.50	Trip	19,493.0	19,493.0	TIH F/5,600' T/9711'					4, 5
Drlg Prod	Cond Trip	19:30	22:00	2.50	16.00	Fishing	19,493.0	19,493.0	Work pipe down to fish F/9711' T/9926', Latch on fish @9930'. Work fish down & jar loose.					4, 5
Drlg Prod	Cond Trip	22:00	23:30	1.50	17.50	Ream & Wash	19,493.0	19,493.0	Wash fish out of hole F/19164' T/17470' while spotting 300bbl bead/lube pill.					4, 5
Drlg Prod	Cond Trip	23:30	05:30	6.00	23.50	Trip	19,493.0	19,493.0	TOOH F/17470' T/16400' on elevators, pump slug. TOOH F/16400' T/12320' L/D HWDP, fishing jars. TOOH F/12320' T/9234'					4, 5
Drlg Prod	Cond Trip	05:30	06:00	0.50	24.00	Handle Tools	19,493.0	19,493.0	L/D fishing tools- X-Os, overshot, extension, guide & fish jt.					4, 5

-- DRILL BITS -- (BHA #<BHA #?> SUMMARY) <Drill String Name?>														
Bit Run	Type	Size (in)	Make		Model		SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	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)

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				

-- 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			6/26/2023			1.0	1.0		10.0	10.0	0.0	0.0		
Barite (Bulk)			6/26/2023				11.72		99.21	34.72	34.49	30.0		
Blower Rental			6/26/2023			2.0	2.0		20.0	20.0	0.0	0.0		
Clean Lube			6/26/2023				-265.0		2,750.0	630.0	1,590.0	530.0		
Pac LV			6/26/2023				25.0		155.0	91.0	64.0	0.0		
RadiaGreen			6/26/2023				630.0		1,590.0	630.0	795.0	165.0		
Retention Bonus (Will)			6/26/2023			1.0	1.0		7.0	7.0	0.0	0.0		
Xanthan 25#			6/26/2023				5.0		252.0	90.0	77.0	85.0		



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Report End Date: 6/27/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)

Fluid Type		Fluid Sub Type		Source		Vol to Lease (bbl)		Vol from Lease (bbl)		Dest	
Fresh Water		Drilling		Ovintiv Permitted Surface Water		0.0		0.0			

-- 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
6/27/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other		0.0		14,149.0	2,262.0	7,911.0	3,976.0	gal US	
6/27/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig		576.0		39,172.0	20,108.0	10,568.0	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

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
19,138.00	89.51	346.35	9,695.14	9,343.46	8,957.06	-2,659.26	2.69	-2.68	-0.12
19,233.00	88.47	346.52	9,696.82	9,438.32	9,049.39	-2,681.54	1.11	-1.09	0.18
19,327.00	87.91	346.47	9,699.79	9,532.16	9,140.75	-2,703.48	0.60	-0.60	-0.05
19,422.00	88.84	346.56	9,702.48	9,626.99	9,233.09	-2,725.63	0.98	0.98	0.09
19,493.00	88.84	346.56	9,703.92	9,697.88	9,302.13	-2,742.13	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	4/12/2023	4/12/2023
Surface	16	70.0	1,877.0	4/27/2023	4/28/2023
Intermediate	11	1,877.0	7,210.0	6/3/2023	6/5/2023
Production	7 7/8	7,210.0	19,493.0	6/20/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	6/5/2023 12:30	7,200.0	8 5/8	32.00	HC L-80	GBCD

-- 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
6/26/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/26/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.

-- SAFETY INCIDENTS --

Date	Type	IMS Plus Incident #

-- MUD PUMPS --

Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5

-- PUMP OPERATIONS --

Pump #	Start Date	End Date	Liner Size (in)	P Max (psi)	Vol/Stk OR (bbl/stk)
1	6/3/2023 06:00		5 1/2	5,556.0	0.077
2	6/3/2023 06:00		5 1/2	5,556.0	0.077
3	6/3/2023 06:00		5 1/2	5,556.0	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
Operator	Ovintiv USA Inc	1



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 14.0, DFS: 9.52

Report Start Date: 6/26/2023 06:00

Report End Date: 6/27/2023 06:00

Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

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

-- REMARKS --		
Remarks Well Control: *Last BOP Drill: 6/23/23 *Last Trip Drill: 6/23/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 6/15/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location		



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 15.0, DFS: 10.52
Report Start Date: 6/27/2023 06:00
Report End Date: 6/28/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750		Max Torque (ft•lb) 52,000	
AFE Number 23213328D		Job AFE Amt (Cost) \$3,916,200		Total AFE Supplemental Amount (Cost) \$0		Total AFE + Supp Amount (Cost) 3,916,200.00		Total Final Invoice (Cost) \$998,692	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 19,493.0		Start Depth (TVD) (ftKB) 9,703.9		Problem Time Hours (hr) 5.50		Percent Problem Time (%) 22.92		Daily Mud Field Est (Cost) \$6,478		Daily Field Est Total (Cost) \$76,400	
End Depth (ftKB) 19,493.0		End Depth (TVD) (ftKB) 9,703.9		Cum Problem Time Days (days) 2.271		Cum Percent Problem Time (%) 17.52		Cum Mud Field Est (Cost) \$146,304		Cum Field Est To Date (Cost) \$2,640,622	
Target Depth (MD) (ftKB) 20,016.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Clear		Temperature (°F) 105.0		Road Condition Fair	

24 Hr Summary
TOOH F/9,234' T/BHA, L/D Lateral BHA (Bit: 1-5 -Lost nozzle due to cracked blade MM: No apparent damage); M/U Clean-Out BHA & TIH T/7,197'; Slip & Cut Drill Line; TIH F/7197' T/8500'. Wash & ream F/8500' T/10443'. Circ 2-high visc sweeps around & spot bead pill. TOOH F/10443' Visually inspecting for damaged jts. Pull wear bushing. PJSM & R/U csg equip. M/U flt equip & test. Run 5.5" 19# P-110EC Sprint TC T/869'

AM Ops
Run 5.5" Prod. Csg. @ 869'

Ops Forecast
Run 5.5"/6" production csg.

-- RIG SAFETY PERFORMANCE --

Days Since Last LTI (days)		Days Since Last Reportable Inc (days)		MACP (psi)		WB Depth @ 6am (ftKB)	
69.00		69.00					

-- MUD CHECKS --

Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
6/27/2023 08:00	Water based	Active	19,493.0	9.20	32	6.0	7.000	
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	3.000	21.5	1	8.7	5.0	4.9	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
92.0	3.0					7,800.000	4	0.0

-- INTERVAL PROBLEMS (NPT) --

Problem Type Bit	Problem Subtype	Dur (Net) (hr) 40.50	Start Date 6/25/2023 19:00	End Date 6/27/2023 11:30	Start Depth (... 19,493.0	End Depth (f... 19,493.0	Description Trip due to ROP	Ref # 4
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-- 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	09:00	3.00	3.00	Trip	19,493.0	19,493.0	TOOH F/9,234' T/1,600'	4
Drlg Prod	Cond Trip	09:00	09:30	0.50	3.50	Rig Service	19,493.0	19,493.0	Rig Service - C/O ST-80 Dove Tail Bolt	4
Drlg Prod	Cond Trip	09:30	10:30	1.00	4.50	Trip	19,493.0	19,493.0	TOOH F/1,600' T/BHA	4
Drlg Prod	Cond Trip	10:30	11:30	1.00	5.50	Handle Tools	19,493.0	19,493.0	L/D Lateral BHA (Bit: 1-5 -Lost nozzle due to cracked blade MM: No apparent damage)	4
Flat Prod	Cond Trip	11:30	14:30	3.00	8.50	Trip	19,493.0	19,493.0	M/U Clean-Out BHA & TIH T/7,197'	
Flat Prod	Cond Trip	14:30	15:30	1.00	9.50	Other	19,493.0	19,493.0	Slip & Cut Drill Line	
Flat Prod	Cond Trip	15:30	16:00	0.50	10.00	Trip	19,493.0	19,493.0	TIH F/7197' T/8500'	
Flat Prod	Cond Trip	16:00	19:30	3.50	13.50	Ream & Wash	19,493.0	19,493.0	Wash & ream F/8500' T/10443'	
Flat Prod	Cond Trip	19:30	21:30	2.00	15.50	Circ & Cond Mud	19,493.0	19,493.0	Circ 2-40bbl high visc sweeps around. Spot 150bbl bead pill.	
Flat Prod	Cond Trip	21:30	02:30	5.00	20.50	Trip	19,493.0	19,493.0	TOOH F/10443' visually inspecting every jt first ten stands & every 5stds after. No damaged jts found.	
Flat Prod	Cond Trip	02:30	03:00	0.50	21.00	Wellhead	19,493.0	19,493.0	Pull wear bushing	
Flat Prod	Case & Cement	03:00	04:30	1.50	22.50	Run Casin g	19,493.0	19,493.0	PJSM, R/U 5.5" csg equipment. Verify CRT, & XO torque. Check nose cone & elevator ID.	
Flat Prod	Case & Cement	04:30	06:00	1.50	24.00	Run Casin g	19,493.0	19,493.0	M/U flt equip & test. Run 5.5" 19# P-110EC Sprint TC T/869'	

-- DRILL BITS -- (BHA #<BHA #?> SUMMARY) <Drill String Name?>

Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
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-- 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)

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	

-- 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	6/27/2023	1.0	1.0		11.0	11.0	0.0	0.0
Barite (Bulk)	6/27/2023		6.0		99.21	40.72	34.49	24.0
Blower Rental	6/27/2023	2.0	2.0		22.0	22.0	0.0	0.0
Clean Lube	6/27/2023	550.0			3,300.0	630.0	1,590.0	1,080.0
Freight	6/27/2023	1,363.19	1,363.19		8,429.25	8,429.25	0.0	0.0
GenShield	6/27/2023		60.0		215.0	110.0	0.0	105.0
Myacide GA 25	6/27/2023		1.0		57.0	16.0	21.0	20.0
Pac LV	6/27/2023	80.0			235.0	91.0	64.0	80.0
Pallets	6/27/2023	8.0	8.0		31.0	31.0	0.0	0.0
Poly Gen	6/27/2023	172.0			416.0	136.0	60.0	220.0

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Report Printed: 6/28/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 15.0, DFS: 10.52
Report Start Date: 6/27/2023 06:00
Report End Date: 6/28/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362											
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date									
-- MUD ADDITIVES --																									
Des		Date		Rec		Consumed		Returned		Rec		Consumed		Returned		On Loc									
Poly Tech		6/27/2023		50.0						213.0		74.0		33.0		106.0									
RadiaGreen		6/27/2023		550.0						2,140.0		630.0		795.0		715.0									
Retention Bonus (Chris)		6/27/2023		1.0		1.0				4.0		4.0		0.0		0.0									
Shrink Wrap		6/27/2023		8.0		8.0				30.0		30.0		0.0		0.0									
Soda Ash		6/27/2023		100.0		2.0				338.0		123.0		81.0		134.0									
Sodium Sulfite		6/27/2023		49.0						158.0		62.0		11.0		85.0									
Tote Disposal		6/27/2023		4.0		4.0				4.0		4.0		0.0		0.0									
Xanthan 25#		6/27/2023				3.0				252.0		93.0		77.0		82.0									
-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)																									
Fluid Type		Fluid Sub Type				Source				Vol to Lease (bbl)		Vol from Lease (bbl)		Dest											
Fresh Water		Drilling				Ovintiv Permitted Surface Water				0.0		0.0													
-- 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	
6/28/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Other				0.0				14,149.0		2,262.0		7,911.0		3,976.0		gal US			
6/28/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig				1,164.0				39,172.0		21,272.0		10,568.0		7,332.0		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)							
19,138.00		89.51		346.35		9,695.14		9,343.46		8,957.06		-2,659.26		2.69		-2.68		-0.12							
19,233.00		88.47		346.52		9,696.82		9,438.32		9,049.39		-2,681.54		1.11		-1.09		0.18							
19,327.00		87.91		346.47		9,699.79		9,532.16		9,140.75		-2,703.48		0.60		-0.60		-0.05							
19,422.00		88.84		346.56		9,702.48		9,626.99		9,233.09		-2,725.63		0.98		0.98		0.09							
19,493.00		88.84		346.56		9,703.92		9,697.88		9,302.13		-2,742.13		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		4/12/2023				4/12/2023											
Surface				16		70.0		1,877.0		4/27/2023				4/28/2023											
Intermediate				11		1,877.0		7,210.0		6/3/2023				6/5/2023											
Production				7 7/8		7,210.0		19,493.0		6/20/2023				6/25/2023											
-- LAST CASING RUN --																									
Csg Des		Run Date				Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade		Top Thread									
Intermediate 1		6/5/2023 12:30				7,200.0				8 5/8		32.00		HC L-80		GBCD									
-- 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															
6/27/2023 06:00		Safety Meeting/JSA				Day		Pre-Tour		Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.															
6/27/2023 18:00		Safety Meeting/JSA				Night		Pre-Tour		Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.															
-- SAFETY INCIDENTS --																									
Date				Type								IMS Plus Incident #													
-- MUD PUMPS --																									
Pump #		Start Date				End Date		Make		Model		Pwr (hp)		Stroke (in)		Rod Dia (in)									
1		6/3/2023						Gardner-Denver		PZ-11		1,600.0		10.98		5									
2		6/3/2023						Gardner-Denver		PZ-11		1,600.0		10.98		5									
3		6/3/2023						Gardner-Denver		PZ-11		1,600.0		10.98		5									
-- PUMP OPERATIONS --																									
Pump #		Start Date				End Date		Liner Size (in)				P Max (psi)		Vol/Stk OR (bbl/stk)											
1		6/3/2023 06:00						5 1/2				5,556.0		0.077											



Daily Drilling (Partner)

Well Name: HILLTOP 37C 4HF

Report #: 15.0, DFS: 10.52

Report Start Date: 6/27/2023 06:00

Report End Date: 6/28/2023 06:00

Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9			Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date	

-- PUMP OPERATIONS --					
Pump #		Start Date		End Date	
2		6/3/2023 06:00			
3		6/3/2023 06:00			
				Liner Size (in)	
				5 1/2	
				P Max (psi)	
				5,556.0	
				Vol/Stk OR (bbl/stk)	
				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		Count
Operator		1
Contractor		2
Contractor		12
Contractor		1
Contractor		2
Contractor		1
Contractor		0

-- REMARKS --	
<div>Remarks</div> <div>Well Control: *Last BOP Drill: 6/23/23 *Last Trip Drill: 6/23/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23</div> <div>Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 6/15/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23</div> <div>Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location</div>	



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 16.0, DFS: 11.52
Report Start Date: 6/28/2023 06:00
Report End Date: 6/29/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 6/29/2023	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750		Max Torque (ft*lb) 52,000	
AFE Number 23213328D		Job AFE Amt (Cost) \$3,916,200		Total AFE Supplemental Amount (Cost) \$0		Total AFE + Supp Amount (Cost) 3,916,200.00		Total Final Invoice (Cost) \$998,692	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 19,493.0		Start Depth (TVD) (ftKB) 9,703.9		Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost) \$7,416		Daily Field Est Total (Cost) \$1,076,400	
End Depth (ftKB) 19,493.0		End Depth (TVD) (ftKB) 9,703.9		Cum Problem Time Days (days) 2.271		Cum Percent Problem Time (%) 16.27		Cum Mud Field Est (Cost) \$153,720		Cum Field Est To Date (Cost) \$3,668,762	
Target Depth (MD) (ftKB) 20,016.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Clear		Temperature (°F) 105.0		Road Condition Fair	

24 Hr Summary
Run 5.5" 19# P-110EC Sprint TC F/869' T/10443'. Swap out csg tools 5.5" to 6".Run 6" 22.3# P110RY Sprint TC csg F/10443' T/17086'Dry ream 6" csg F/17086' T/19475'. & land on hanger. R/D csg equip. Fill pipe & circ 100bbls. PJSM, Test lines 5000psi,Cement 5.5" /6" prod. csg. Pump Treated Water Disp: 478 bbls Bumped Bottom Plug on calculated @ 4.5 bpm (1850-2670 psi) Bumped Top Plug on calculated @ 4.5 bpm (1750 - 3,200 psi) Bled Back: 5.5 bbls - Floats Held - No cement to Surface B/O landing jt. R/D csg bails & elevators. Set Pack-Off Assembly & Load/Psi test same. Test packoff to 5k. Install BPV. Prep to skid. Release rig T/Hilltop 37D 6HN @6:00am on 6/29/23.

AM Ops Release rig T/Hilltop 37D 6HN @6:00am on 6/29/23		Ops Forecast Skid rig T/Hilltop 37D 6HN	
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-- RIG SAFETY PERFORMANCE --

Days Since Last LTI (days)		Days Since Last Reportable Inc (days)		MACP (psi)		WB Depth @ 6am (ftKB)	
70.00		70.00					

-- MUD CHECKS --

Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
6/28/2023 08:00	Water based	Active	19,493.0	9.20	32	6.0	7.000	
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	3.000	20.8	1	8.7	5.0	4.9	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
92.0	3.0					7,800.000	4	0.0

-- INTERVAL PROBLEMS (NPT) --

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

Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com	Prob Ref #
Flat Prod	Case & Cement	06:00	12:00	6.00	6.00	Run Casin g	19,493.0	19,493.0	Run 5.5" 19# P-110EC Sprint TC F/869' T/10443'	
Flat Prod	Case & Cement	12:00	13:00	1.00	7.00	Run Casin g	19,493.0	19,493.0	Swap out 5.5" to 6" csg tools.	
Flat Prod	Case & Cement	13:00	18:00	5.00	12.00	Run Casin g	19,493.0	19,493.0	Run 6" 22.3# P110RY Sprint TC csg F/10443' T/17086'	
Flat Prod	Case & Cement	18:00	23:00	5.00	17.00	Run Casin g	19,493.0	19,493.0	Dry ream 6" 22.3# P110RY Sprint TC csg F/17086' T/19475'. & land on hanger. R/D csg equip.	
Flat Prod	Case & Cement	23:00	00:30	1.50	18.50	Circ & Cond Mud	19,493.0	19,493.0	Circ pipe capacity and 100bbl. PJSM & R/U cementers.	
Flat Prod	Case & Cement	00:30	04:00	3.50	22.00	Cmnt Casin g	19,493.0	19,493.0	Test lines 5000psi, Pump Water Spacer: 80 bbls (8.3 ppg) @ 8 bpm ,Pump Lead Cmnt: 136 bbls (9.65 ppg) @ 6 bpm , Pump Tail Cmnt: 421 bbls (13.2 ppg) @ 6 bpm , Drop 1,000 psi Bottom Combo Plug (Disk Part#:1782569) Pump Sugar Water: 3 bbls ,Drop 3,000 psi Top Combo Plug (Disk Part#:1764008) ,Pump Sugar Water: 17 bbls .Pump Treated Water Disp: 458 bbls (8.3 ppg) @ 8 bpm .Total Displacement: 478 bbls (Disp. Ing.: 50 gals Genshield / 4 boxes Sodium Erythorbate / 20 gals Myacide / 30 gals MEA)Bumped Bottom Plug on calculated @ 4.5 bpm (1850-2670 psi) Bumped Top Plug on calculated @ 4.5 bpm (1750 - 3,200 psi) Bled Back: 5.5 bbls - Floats Held - No cement to Surface .ICP: 700 psi @ 8 bpm FCP: 1850 psi @ 4.5 bpm . R/D cementers, flush lines.	
Flat Prod	BOP/WH/ Drillout	04:00	04:30	0.50	22.50	Other	19,493.0	19,493.0	R/D csg bails & elevators, CRT.	
Flat Prod	BOP/WH/ Drillout	04:30	05:30	1.00	23.50	Wellh ead	22,970.0	22,970.0	B/O landing jt, set Pack-Off Assembly & Load/Psi test same. Test packoff to 5k. Install BPV	
Flat Prod	BOP/WH/ Drillout	05:30	06:00	0.50	24.00	Other	19,493.0	19,493.0	Prepare to skid. Release rig T/Hilltop 37D 6HN @6:00am on 6/29/23	

-- DRILL BITS -- (BHA #<BHA #?> SUMMARY) <Drill String Name?>

Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
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-- 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)
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-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	
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-- KICKS --

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

Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
24 Hour Service	6/28/2023	1.0	1.0		12.0	12.0	0.0	0.0
Blower Rental	6/28/2023	2.0	2.0		24.0	24.0	0.0	0.0
Pac LV	6/28/2023		4.0		235.0	95.0	64.0	76.0
Poly Gen	6/28/2023		10.0		416.0	146.0	60.0	210.0

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Report Printed: 6/29/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 16.0, DFS: 11.52
Report Start Date: 6/28/2023 06:00
Report End Date: 6/29/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 19,493.0		Total Depth (TVD) (ftKB) Original Hole - 9,703.9		Latitude (decimal) (°) 32.41912370		Longitude (decimal) (°) -102.29792420		Spud Date 4/27/2023		Final Rig Release Date 6/29/2023		

-- MUD ADDITIVES --								
Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
Poly Tech	6/28/2023		21.0		213.0	95.0	33.0	85.0
Retention Bonus (Chris)	6/28/2023	1.0	1.0		5.0	5.0	0.0	0.0
Soda Ash	6/28/2023		6.0		338.0	129.0	81.0	128.0
Sodium Sulfite	6/28/2023		2.0		158.0	64.0	11.0	83.0
Xanthan 25#	6/28/2023		6.0		252.0	99.0	77.0	76.0

-- LEASE FLUIDS -- (Water, Mud Cuttings, Sewage, Haul-Off)									
Fluid Type		Fluid Sub Type		Source		Vol to Lease (bbl)	Vol from Lease (bbl)	Dest	
Fresh Water		Drilling		Ovintiv Permitted Surface Water		0.0	0.0		

-- 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
6/29/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Other		314.0		14,149.0	2,576.0	7,911.0	3,662.0	gal US	
6/29/2023	Fuel	Delta Fuel Company, Inc.	Diesel Fuel - Rig		1,970.0		39,172.0	23,242.0	10,568.0	5,362.0	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)
19,138.00	89.51	346.35	9,695.14	9,343.46	8,957.06	-2,659.26	2.69	-2.68	-0.12
19,233.00	88.47	346.52	9,696.82	9,438.32	9,049.39	-2,681.54	1.11	-1.09	0.18
19,327.00	87.91	346.47	9,699.79	9,532.16	9,140.75	-2,703.48	0.60	-0.60	-0.05
19,422.00	88.84	346.56	9,702.48	9,626.99	9,233.09	-2,725.63	0.98	0.98	0.09
19,493.00	88.84	346.56	9,703.92	9,697.88	9,302.13	-2,742.13	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	4/12/2023		4/12/2023		
Surface		16	70.0	1,877.0	4/27/2023		4/28/2023		
Intermediate		11	1,877.0	7,210.0	6/3/2023		6/5/2023		
Production		7 7/8	7,210.0	19,493.0	6/20/2023		6/25/2023		

-- LAST CASING RUN --									
Csg Des	Run Date		Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread		
Production	6/28/2023 22:30		19,475.0	6	22.30	P-110RY	SPRINT TC		

-- 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					
6/28/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.					
6/28/2023 18:00	Safety Meeting/JSA	Night	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.					

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

-- MUD PUMPS --									
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)		
1	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		
2	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		
3	6/3/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5		

-- PUMP OPERATIONS --									
Pump #	Start Date	End Date	Liner Size (in)		P Max (psi)	Vol/Stk OR (bbl/stk)			
1	6/3/2023 06:00		5 1/2		5,556.0	0.077			
2	6/3/2023 06:00		5 1/2		5,556.0	0.077			
3	6/3/2023 06:00		5 1/2		5,556.0	0.077			



Daily Drilling (Partner)
Well Name: HILLTOP 37C 4HF

Report #: 16.0, DFS: 11.52
Report Start Date: 6/28/2023 06:00
Report End Date: 6/29/2023 06:00
Depth Progress: 0.0

API/UWI 42003487920000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027362	
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-- 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
Operator	Ovintiv USA Inc	1
Contractor	RWDY, Inc.	2
Contractor	Helmerich & Payne International Drilg Co	12
Contractor	Genesis Fluids, LLC	1
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: 6/23/23 *Last Trip Drill: 6/23/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 6/20/23 *Last BOP Test: 6/20/23 *Next BOP Test: 7/11/23 Tubulars: *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *618 Jts 5" 4-1/2IF 19.5# DP (OVV Owned) *12 Jts 5" Delta 527 HWDP (Work string Rentals) *9 jt 6 3/4" DC's on location-rental (Knight Oil Tools) *1 jt 5" 4 1/2" IF 19.5# (H&P) Wear Bushing Puller *Last BHA Inspection: 6/15/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Saver sub changed: 6/12/23 Rig Contractor: H&P 553 Labor: Days 6 Hands - Nights 5 Hands Equipment Issues: •Agitator blades need changing out. On location							