



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 3.0, DFS:
Report Start Date: 4/27/2023 06:00
Report End Date: 4/27/2023 12:30
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
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 23213330D	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) \$85,319

-- 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) \$576,760
Target Depth (MD) (ftKB)	Target Formation Lower Lower Spraberry	Hole Condition	Weather	Temperature (°F)	Road Condition

24 Hr Summary R/U and CMT. Release rig to Hilltop 37C 4HF															
Notified Sara with TRRC @ 9:30 4-21-23 Job# 345631															
AM Ops Release rig to Hilltop 37C 4HF								Ops Forecast Release rig to Hilltop 37C 4HF							

-- 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 #
Flat Surf	Case & Cement	06:00	06:30	0.50	0.50	Run Casin g	1,877.0	1,877.0	Run 13-5/8" 54.5# J55 CSG to 1872'.	
Flat Surf	Case & Cement	06:30	11:00	4.50	5.00	Cmnt Casin g	1,877.0	1,877.0	PJSM. Pump surface CMT: 50 bbls FW spacer, 333 bbls - 720 sks Class C + 2% Gypsum, 2% CaCl, 0.25 lbs poly flake, 2% SMS Lead @ 11.8 ppg and 124 bbls - 530 sks Class C tail @ 14.8 ppg. Drop top plug and displace w/ 279 bbls FW. Bump plug 500 to 1100 psi. 120 bbls CMT to surf. Floats held, bled back 1-1/4 bbl.	
Rig Down	Rig Down	11:00	12:30	1.50	6.50	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)	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 (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 3.0, DFS:

Report Start Date: 4/27/2023 06:00

Report End Date: 4/27/2023 12:30

Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
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	

-- WELLBORE SECTIONS --									
Section Des				Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date		Section TD Date
Surface				16	70.0	1,877.0	4/25/2023		4/26/2023

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Surface	4/27/2023 00:00	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	

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

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

-- BOP COMPONENTS --									
Type	Make			Serial Number			P Range (psi)	Nominal ID (in)	Body Type

-- 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

-- PERSONNEL LOG --									
Type					Company				Count

-- REMARKS --									
Remarks									



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 4.0, DFS: 1.98
Report Start Date: 5/16/2023 21:00
Report End Date: 5/17/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$434,162

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 1,877.0	Start Depth (TVD) (ftKB) 1,876.9	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost)	Daily Field Est Total (Cost) \$36,900
End Depth (ftKB) 1,877.0	End Depth (TVD) (ftKB) 1,876.9	Cum Problem Time Days (days) 0.000	Cum Percent Problem Time (%) 0.00	Cum Mud Field Est (Cost)	Cum Field Est To Date (Cost) \$613,541
Target Depth (MD) (ftKB)	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 69.0	Road Condition Good

24 Hr Summary
R/D on Alice Copper 34G 5HR, R/D backyard, Unstring blocks, R/D rig floor, Remove V-door & catwalk, Stroke cylinders & pin, Lower derrick @ 18:00, R/D all hoses & pumps in backyard, Undress Derrick, Unstack Subs. - Prepare Load-Out Ready

Equipment: 35-Haul Trucks 3-Crane (2- Crawlers - 1 Hydro.) 1-Tandem 1- Pole Trucks 2- Forklifts
80% R/D - 20% Moved - 0% R/U - .375 DSRR
Estimated Spud Date: 5/20/23

AM Ops R/D & Prepare to Move Rig								Ops Forecast Move Rig F/Alice Cooper 34G 5HF - Hilltop 37D 5HF							
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-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
40.00				40.00											

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)	
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 Move/Up	Rig Move/Up	21:00	06:00	9.00	9.00	Rig Move	1,877.0	1,877.0	R/D on Alice Copper 34G 5HR, R/D backyard, Unstring blocks, R/D rig floor, Remove V-door & catwalk, Stroke cylinders & pin, Lower derrick @ 18:00, R/D all hoses & pumps in backyard, Undress Derrick, Unstack Subs. - Prepare Load-Out Ready						

-- 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		

-- 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 (°)		Azm (°)		TVD (ftKB)		VS (ft)		NS (ft)	EW (ft)		DLS (°/100ft)	Build (°/100ft)		Turn (°/100ft)
1,443.00	0.90		154.38		1,442.92		0.78		1.03	1.62		0.08	0.08		1.97
1,530.00	0.71		152.61		1,529.91		1.84		-0.06	2.16		0.22	-0.22		-2.03
1,705.00	0.44		141.89		1,704.90		3.42		-1.55	3.08		0.17	-0.15		-6.13
1,815.00	0.39		143.47		1,814.90		4.17		-2.18	3.56		0.05	-0.05		1.44
1,877.00	0.39		143.47		1,876.89		4.57		-2.52	3.81		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	
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		4/25/2023		4/26/2023	

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Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 4.0, DFS: 1.98
Report Start Date: 5/16/2023 21:00
Report End Date: 5/17/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- LAST CASING RUN --														
Csg Des			Run Date			Set Depth (ftKB)			OD (in)		Wt/Len (lb/ft)		Grade	
Surface			4/27/2023 00:00			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

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

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

-- BOP COMPONENTS --														
Type		Make				Serial Number				P Range (psi)		Nominal ID (in)		Body Type

-- 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)	

-- 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		

-- 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	

-- REMARKS --														
Remarks Well Control *Last BOP Drill: 5/9/23 *Last Trip Drill: 5/13/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 1/10/23 *Intermediate Casing Tested to 1500 psi on: 5/2/23 *Last BHA Inspection: 1/19/23 *Last 5" Delta 494 DP inspection: 1/9/23 *Last BOP Test: 5/1/23 *Next BOP Test: 5/22/23 *Saver sub changed: 4/26/23 *709 Jts 5" Delta 494 19.5# DP (Quail Rental) *150 Jts 5" 4-1/2IF 19.5# DP (OVV OWNED) *12 Jts 5" Delta 494 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole. •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.														



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 5.0, DFS: 2.98
Report Start Date: 5/17/2023 06:00
Report End Date: 5/18/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$434,162

-- OPERATIONS SUMMARY --															
Start Depth (ftKB) 1,877.0		Start Depth (TVD) (ftKB) 1,876.9		Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost)		Daily Field Est Total (Cost) \$36,900					
End Depth (ftKB) 1,877.0		End Depth (TVD) (ftKB) 1,876.9		Cum Problem Time Days (days) 0.000		Cum Percent Problem Time (%) 0.00		Cum Mud Field Est (Cost)		Cum Field Est To Date (Cost) \$650,441					
Target Depth (MD) (ftKB)		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Shower		Temperature (°F) 72.0		Road Condition Good					

24 Hr Summary
Rig Move: Old location: Pull BOP & install on transport, unstack & load pony subs, accumulator deck, HPU deck & jack boxes. R/D suction hoses & clean location, load out miscellaneous. New location: Set pumps , pits, Gens, Mats & skid rails. Set jack boxes & pull wires.(Layed down cranes from 16:30- 19:00 due to lightening)Safety stand down, Discussed recent incidents & rig move refocus. Stack subs, set bops, center steel, drawworks & porches. Pin derrick & dress out.
Total load hauled 65.
Equipment: 35-Haul Trucks 3-Crane (2- Crawlers - 1 Hydro.) 1-Tandem, 1- Pole Truck, 2- Forklifts
100% R/D ,100% Moved , 50% R/U - 1.375 DSRR
Estimated Spud Date: 5/20/23

AM Ops Rig up on Hilltop 37D 5HF								Ops Forecast Raise mast, install new doghouse,run wires & continue rig up.							
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-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
41.00				41.00											

-- MUD CHECKS --															
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)	
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 Move/Up	Rig Move/Up	06:00	21:30	15.50	15.50	Rig Move	1,877.0	1,877.0	Old location: Pull BOP & install on transport, unstack & load pony subs, accumulator deck, HPU deck & jack boxes. R/D suction hoses & clean location, load out miscellaneous. New location: Set pumps , pits, Gens, Mats & skid rails. Set jack boxes & pull wires.(Layed down cranes from 16:30- 19:00 due to lightening) Total loads hauled 65 Equipment: 35-Haul Trucks 3-Crane (2- Crawlers - 1 Hydro.) 1-Tandem, 1- Pole Truck, 2- Forklifts 100% R/D ,100% Moved , 50% R/U - 1.375 DSRR Estimated Spud Date: 5/20/23	
Rig Move/Up	Rig Move/Up	21:30	22:00	0.50	16.00	Other	1,877.0	1,877.0	Safety stand down, Discussed recent incidents & rig move refocus.	
Rig Move/Up	Rig Move/Up	22:00	06:00	8.00	24.00	Rig Down / Up	1,877.0	1,877.0	Stack subs, set bops, center steel & porches. Pin derrick & dress out.	

-- 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

-- 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 (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
1,443.00	0.90	154.38	1,442.92	0.78	1.03	1.62	0.08	0.08	1.97
1,530.00	0.71	152.61	1,529.91	1.84	-0.06	2.16	0.22	-0.22	-2.03



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 5.0, DFS: 2.98
Report Start Date: 5/17/2023 06:00
Report End Date: 5/18/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 1,877.0	Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950	Longitude (decimal) (°) -102.29776780	Spud Date 4/25/2023	Final Rig Release Date

-- SURVEY DATA --										
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	
1,705.00	0.44	141.89	1,704.90	3.42	-1.55	3.08	0.17	-0.15	-6.13	
1,815.00	0.39	143.47	1,814.90	4.17	-2.18	3.56	0.05	-0.05	1.44	
1,877.00	0.39	143.47	1,876.89	4.57	-2.52	3.81	0.00	0.00	0.00	

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

-- WELLBORE SECTIONS --					
Section Des		Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date
Intermediate		11			
Production		7 7/8			
Conductor		30	30.0	70.0	4/12/2023
Surface		16	70.0	1,877.0	4/25/2023

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Surface	4/27/2023 00:00	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

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

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

-- BOP COMPONENTS --					
Type	Make	Serial Number	P Range (psi)	Nominal ID (in)	Body Type

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
5/17/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
5/17/2023 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	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)

-- 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



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 5.0, DFS: 2.98

Report Start Date: 5/17/2023 06:00

Report End Date: 5/18/2023 06:00

Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 1,877.0	Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950	Longitude (decimal) (°) -102.29776780	Spud Date 4/25/2023	Final Rig Release Date

-- REMARKS --

Remarks

Well Control

*Last BOP Drill: 5/9/23

*Last Trip Drill: 5/13/23

*Annular Element: 2/14/23

*Surface Casing Tested to 1,500 psi on: 1/10/23

*Intermediate Casing Tested to 1500 psi on: 5/2/23

*Last BHA Inspection: 1/19/23

*Last 5" Delta 494 DP inspection: 1/9/23

*Last BOP Test: 5/1/23

*Next BOP Test: 5/22/23

*Saver sub changed: 4/26/23

*709 Jts 5" Delta 494 19.5# DP (Quail Rental)

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

*12 Jts 5" Delta 494 HWD (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

H&P Labor - Days: 6 Hands - Nights: 5 Hands

H&P 553 equipment issues:

•Agitator blades need changing out. On location

•Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole.

•Catwalk has oil leaks every time move/skid rig.

•Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 6.0, DFS: 3.98
Report Start Date: 5/18/2023 06:00
Report End Date: 5/19/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363							
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date					
-- RIG --																					
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft*lb) 52,000					
AFE Number 23213330D				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) \$434,162					
-- OPERATIONS SUMMARY --																					
Start Depth (ftKB) 1,877.0		Start Depth (TVD) (ftKB) 1,876.9		Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost)				Daily Field Est Total (Cost) \$36,900									
End Depth (ftKB) 1,877.0		End Depth (TVD) (ftKB) 1,876.9		Cum Problem Time Days (days) 0.000		Cum Percent Problem Time (%) 0.00		Cum Mud Field Est (Cost)				Cum Field Est To Date (Cost) \$686,141									
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry				Hole Condition Good		Weather Overcast		Temperature (°F) 67.0				Road Condition Good							
24 Hr Summary Set csg porch, C/O hoist cable & finish dress out drk. set doghouse, drill line spool, raise mast, ST-80, set PDS & V-door. R/U flowline extensions & gas buster lines. Continue R/U subs & hook up cables. Power up rig & run out equip. Working on new doghouse upgrade. M/U choke line extension, string up drawworks & pin block to TDS. Function test TDS. R/U accumulator & function test. M/U flowline to BOPs.Continue R/U miscellaneous & working on doghouse upgrade.																					
1-Crane 1-Tandem, 1- Forklifts 100% R/D ,100% Moved , 90% R/U - 2.375 DSRR Estimated Spud Date: 5/20/23																					
AM Ops Continue R/U misc & working on doghouse upgrade.								Ops Forecast R/U backyard & 3rd party equip. Test & run out rig equip. Prespud insp & P/U tools.													
-- RIG SAFETY PERFORMANCE --																					
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)									
42.00				42.00																	
-- MUD CHECKS --																					
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)					
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/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 Move/Up		Rig Move/Up		06:00	06:00	24.00	24.00	Rig Down / Up	1,877.0	1,877.0	Set csg porch, C/O hoist cable & finish dress out drk. set doghouse, drill line spool, raise mast, ST-80, set PDS & V-door. R/U flowline extensions & gas buster lines. Continue R/U subs & hook up cables. Power up rig & run out equip. Working on new doghouse upgrade. M/U choke line extension, string up drawworks & pin block to TDS. Function test TDS. R/U accumulator & function test. M/U flowline to BOPs. Continue R/U miscellaneous & working on doghouse upgrade.										
-- 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	
-- 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						
5/19/2023		Fuel				Diesel	7,200.0			7,200.0	0.0	0.0	7,200.0	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)			
1,443.00		0.90		154.38		1,442.92		0.78		1.03		1.62		0.08		0.08		1.97			
1,530.00		0.71		152.61		1,529.91		1.84		-0.06		2.16		0.22		-0.22		-2.03			
1,705.00		0.44		141.89		1,704.90		3.42		-1.55		3.08		0.17		-0.15		-6.13			
1,815.00		0.39		143.47		1,814.90		4.17		-2.18		3.56		0.05		-0.05		1.44			
1,877.00		0.39		143.47		1,876.89		4.57		-2.52		3.81		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					
Intermediate						11															



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 7.0, DFS: 4.98
Report Start Date: 5/19/2023 06:00
Report End Date: 5/20/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363													
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date											
-- RIG --																											
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft*lb) 52,000											
AFE Number 23213330D				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) \$434,162											
-- OPERATIONS SUMMARY --																											
Start Depth (ftKB) 1,877.0		Start Depth (TVD) (ftKB) 1,876.9		Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost) \$10,503		Daily Field Est Total (Cost) \$80,000																	
End Depth (ftKB) 1,877.0		End Depth (TVD) (ftKB) 1,876.9		Cum Problem Time Days (days) 0.000		Cum Percent Problem Time (%) 0.00		Cum Mud Field Est (Cost) \$10,503		Cum Field Est To Date (Cost) \$766,141																	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Sunny		Temperature (°F) 85.0		Road Condition Good																	
24 Hr Summary M/U flowline to BOPs, & water tank manifold. Hook up all transfer & jet lines. Troubleshoot & pull new 480v feder wires to rig floor. Swap camp power. Work on rotary table motor, C/O liners.R/U backyard equip & prime pumps. R/U flare stack & drive overs. C/O O ring stand pipe. Fix leaks on tanks, C/O expansion jt. Skid top section of rig to center up. C/O saver sub. Nipple up & test BOPS.																											
100% R/D ,100% Moved , 100% R/U - 3.375 DSRR Estimated Spud Date: 5/20/23																											
AM Ops Testing BOPs								Ops Forecast P/U directional tools, TIH, & Drill out.																			
-- RIG SAFETY PERFORMANCE --																											
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)															
43.00				43.00																							
-- MUD CHECKS --																											
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)											
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/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 Move/Up		Rig Move/Up		06:00		22:00		16.00		16.00		Rig Down / Up		1,877.0		1,877.0		M/U flowline to BOPs, & water tank manifold. Hook up all transfer & jet lines. Troubleshoot & pull new 480v feder wires to rig floor. Swap camp power. Work on rotary table motor, C/O liners.R/U backyard equip & prime pumps. R/U flare stack & drive overs. C/O O ring stand pipe. Fix leaks on tanks, C/O expansion jt. Skid top section of rig to center up.									
Flat Surf		BOP/WH/ Drillout		22:00		23:30		1.50		17.50		Other		1,877.0		1,877.0		C/O saver sub for Delta 527 connection									
Flat Surf		BOP/WH/ Drillout		23:30		02:00		2.50		20.00		BOP		1,877.0		1,877.0		Nipple up, Torque bolts between riser & BOP, choke lines									
Flat Surf		BOP/WH/ Drillout		02:00		06:00		4.00		24.00		BOP		1,877.0		1,877.0		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,									
-- 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				5/19/2023				0.0						3.0		3.0		0.0		0.0							
24 Hour Service				5/19/2023				3.0		3.0				3.0		3.0		0.0		0.0							
3% Discount				5/19/2023				0.0						0.0		0.0		0.0		0.0							
Aluminum Stearate				5/19/2023				0.0						0.0		0.0		0.0		0.0							
Aquasol 325				5/19/2023				30.0						30.0		0.0		0.0		30.0							
Barite (Bulk)				5/19/2023				6.03						6.03		0.0		0.0		6.03							
Barite (Sack)				5/19/2023										0.0		0.0		0.0		0.0							
Bentonite (Bulk)				5/19/2023				0.0						0.0		0.0		0.0		0.0							
Blower Rental				5/19/2023				0.0						6.0		6.0		0.0		0.0							
Blower Rental				5/19/2023				6.0		6.0				6.0		6.0		0.0		0.0							
Bulk Tank Rental				5/19/2023				0.0						4.0		4.0		0.0		0.0							
Bulk Tank Rental				5/19/2023				4.0		4.0				4.0		4.0		0.0		0.0							
Calcium Carbonate				5/19/2023				34.0						34.0		0.0		0.0		34.0							
Cedar Fiber				5/19/2023				178.0						178.0		0.0		0.0		178.0							
Clean Lube				5/19/2023				0.0						0.0		0.0		0.0		0.0							
Cottonseed Hulls				5/19/2023				138.0						138.0		0.0		0.0		138.0							
Defoamer				5/19/2023				0.0						0.0		0.0		0.0		0.0							
Desco				5/19/2023				6.0						6.0		0.0		0.0		6.0							



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 7.0, DFS: 4.98
Report Start Date: 5/19/2023 06:00
Report End Date: 5/20/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 1,877.0		Total Depth (TVD) (ftKB) Original Hole - 1,876.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- MUD ADDITIVES --

Des	Date	Rec	Consumed	Returned	Rec	Consumed	Returned	On Loc
Diaseal M	5/19/2023	25.0			25.0	0.0	0.0	25.0
Forklift	5/19/2023	0.0			0.0	0.0	0.0	0.0
Free Pipe	5/19/2023	24.0			24.0	0.0	0.0	24.0
Freight	5/19/2023	0.0			5,348.2	5,348.2	0.0	0.0
Freight	5/19/2023	5,348.2	5,348.2		5,348.2	5,348.2	0.0	0.0
Gamma LS	5/19/2023	0.0			0.0	0.0	0.0	0.0
GenSeal M	5/19/2023	0.0			96.0	0.0	0.0	96.0
GenSeal M	5/19/2023	96.0			96.0	0.0	0.0	96.0
GenShield	5/19/2023	165.0			165.0	0.0	0.0	165.0
GenWet	5/19/2023	180.0			180.0	0.0	0.0	180.0
GS Seal Plus	5/19/2023	20.0			20.0	0.0	0.0	20.0
LC Lube	5/19/2023	7.0			7.0	0.0	0.0	7.0
Lime	5/19/2023	40.0			40.0	0.0	0.0	40.0
MEA	5/19/2023	90.0			90.0	0.0	0.0	90.0
Myacide GA 25	5/19/2023	25.0			25.0	0.0	0.0	25.0
Oil Absorbant	5/19/2023	45.0			45.0	0.0	0.0	45.0
Pac LV	5/19/2023	0.0			0.0	0.0	0.0	0.0
Pac Regular	5/19/2023	0.0			0.0	0.0	0.0	0.0
Pallets	5/19/2023	0.0			0.0	0.0	0.0	0.0
Poly Gen	5/19/2023	0.0			0.0	0.0	0.0	0.0
Poly Tech	5/19/2023	2.0			2.0	0.0	0.0	2.0
Poly Vis II	5/19/2023	0.0			0.0	0.0	0.0	0.0
RadiaGreen	5/19/2023	795.0			795.0	0.0	0.0	795.0
Retention Bonus (Chris)	5/19/2023	0.0			0.0	0.0	0.0	0.0
Retention Bonus (Will)	5/19/2023	0.0			3.0	3.0	0.0	0.0
Retention Bonus (Will)	5/19/2023	3.0	3.0		3.0	3.0	0.0	0.0
Shrink Wrap	5/19/2023	0.0			0.0	0.0	0.0	0.0
Soda Ash	5/19/2023	14.0			14.0	0.0	0.0	14.0
Sodium Sulfite	5/19/2023	73.0			73.0	0.0	0.0	73.0
Tiger Bullets	5/19/2023	195.0			195.0	0.0	0.0	195.0
Tote Disposal	5/19/2023	0.0			0.0	0.0	0.0	0.0
Walnut Shell	5/19/2023	44.0			44.0	0.0	0.0	44.0
Xanthan 25#	5/19/2023	0.0			0.0	0.0	0.0	0.0
Zinc Oxide	5/19/2023	13.0			13.0	0.0	0.0	13.0

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

Fluid Type	Fluid Sub Type	Source	Vol to Lease (bbl)	Vol from Lease (bbl)	Dest

-- JOB SUPPLIES -- (Fuel)

Date	Supply Item Des	Vendor	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz
5/20/2023	Fuel		Diesel Fuel - Rig	3,927.0			3,927.0	0.0	0.0	3,927.0	gal US	
5/20/2023	Fuel		Diesel	5,500.0	200.0		12,700.0	200.0	0.0	12,500.0	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)
1,443.00	0.90	154.38	1,442.92	0.78	1.03	1.62	0.08	0.08	1.97
1,530.00	0.71	152.61	1,529.91	1.84	-0.06	2.16	0.22	-0.22	-2.03
1,705.00	0.44	141.89	1,704.90	3.42	-1.55	3.08	0.17	-0.15	-6.13
1,815.00	0.39	143.47	1,814.90	4.17	-2.18	3.56	0.05	-0.05	1.44
1,877.00	0.39	143.47	1,876.89	4.57	-2.52	3.81	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
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	4/25/2023	4/26/2023

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Surface	4/27/2023 00:00	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

-- SHAKER SCREENS --

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

-- BOP --

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

-- BOP COMPONENTS --

Type	Make	Serial Number	P Range (psi)	Nominal ID (in)	Body Type

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Report Printed: 5/20/2023



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 8.0, DFS: 0.38

Report Start Date: 5/20/2023 06:00

Report End Date: 5/21/2023 06:00

Depth Progress: 2,092.0

P/U/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363									
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 3,969.0		Total Depth (TVD) (ftKB) Original Hole - 3,960.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date							
-- RIG --																							
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft*lb) 52,000							
AFE Number 23213330D				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) \$442,203							
-- OPERATIONS SUMMARY --																							
Start Depth (ftKB) 1,877.0				Start Depth (TVD) (ftKB) 1,876.9				Problem Time Hours (hr) 7.00				Percent Problem Time (%) 29.17				Daily Mud Field Est (Cost) \$5,043				Daily Field Est Total (Cost) \$181,800			
End Depth (ftKB) 3,969.0				End Depth (TVD) (ftKB) 3,960.4				Cum Problem Time Days (days) 0.292				Cum Percent Problem Time (%) 4.79				Cum Mud Field Est (Cost) \$15,546				Cum Field Est To Date (Cost) \$962,741			
Target Depth (MD) (ftKB) 20,031.0				Target Formation Lower Lower Spraberry				Hole Condition Good				Weather Overcast				Temperature (°F) 74.0				Road Condition Good			
24 Hr Summary R/D testers, Install wear bushing. Rig service, P/U directional tools. P/U DCs & TIH T/385'. Troubleshoot electrical issues. P/U 8", 6-3/4" DCs, HWDP & TIH T/1826'. Drill cement & flt equip F/1826' T/1877' Drilled from 1877' to 3969' (2092' drilled in 8.5 hrs @ avg ROP of 246.1 fph). Rotate 1955' in 6.5 hrs @ 300.8 fph. Slide 137' in 2 hrs @ 68.5 fph. Last survey @3615' Inc. 5.8, Azm 163. Below 10.4', Right 12.4'																							
AM Ops Drilling 11" intermediate @3969'								Ops Forecast Drill 11" Intermediate Plan #3															
-- RIG SAFETY PERFORMANCE --																							
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)								MACP (psi)				WB Depth @ 6am (ftKB)							
44.00				44.00																			
-- MUD CHECKS --																							
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)							
5/20/2023 20:00		Water based		Active		1,880.0		10.00		28		2.0		1.000									
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)							
										7.5		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												152,500.000		1		0.0							
-- INTERVAL PROBLEMS (NPT) --																							
Problem Type Rig Repair - Drawworks		Problem Subtype Code 8		Dur (Net) (hr) 0.50		Start Date 5/20/2023 09:30		End Date 5/20/2023 10:00		Start Depth (... 1,877.0		End Depth (f... 1,877.0		Description Troubleshoot electrical issues				Ref # 1					
Problem Type Rig Repair - Drawworks		Problem Subtype Code 8		Dur (Net) (hr) 6.00		Start Date 5/20/2023 12:00		End Date 5/20/2023 18:00		Start Depth (... 1,877.0		End Depth (f... 1,877.0		Description Troubleshoot electrical issues				Ref # 2					
Problem Type Rig Repair - Top Drive		Problem Subtype Code 8		Dur (Net) (hr) 0.50		Start Date 5/21/2023 02:30		End Date 5/21/2023 03:00		Start Depth (... 3,208.0		End Depth (f... 3,208.0		Description Troubleshoot topdrive torque/ program issue				Ref # 3					
-- TIMELOG --																							
Phase		Task		Start Time		End Time		Dur (hr)		Cum Dur (hr)		Activity		Start Depth (ftKB)		End Depth (ftKB)		Com				Prob Ref #	
Flat Surf		BOP/WH/ Drillout		06:00		07:00		1.00		1.00		Wellhead		1,877.0		1,877.0		R/D testers & install wear bushing					
Flat Surf		BOP/WH/ Drillout		07:00		07:30		0.50		1.50		Rig Service		1,877.0		1,877.0		Rig service, Top drive inspection					
Flat Surf		BOP/WH/ Drillout		07:30		09:30		2.00		3.50		Handle Tools		1,877.0		1,877.0		P/U directional BHA					
Flat Surf		BOP/WH/ Drillout		09:30		10:00		0.50		4.00		Rig Repair		1,877.0		1,877.0		Waiting on electrican				1	
Flat Surf		BOP/WH/ Drillout		10:00		12:00		2.00		6.00		Pipe Down / Up		1,877.0		1,877.0		P/U 8" drill collars & TIH T/385'					
Flat Surf		BOP/WH/ Drillout		12:00		18:00		6.00		12.00		Rig Repair		1,877.0		1,877.0		Wait on electricans, troubleshoot drawworks				2	
Flat Surf		BOP/WH/ Drillout		18:00		20:30		2.50		14.50		Pipe Down / Up		1,877.0		1,877.0		P/U 8", 6-3/4" DCs, HWDP & TIH T/1826'					
Flat Surf		BOP/WH/ Drillout		20:30		21:00		0.50		15.00		Drill - Other		1,877.0		1,877.0		Drill cement & flt equip F/1826' T/1877'					
Drlg Int 1		Drill		21:00		21:30		0.50		15.50		Drill - Rotate		1,877.0		1,976.0		Rotate from 1877' to 1976' (99' drilled @ 198 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 2000 psi, Diff = 600 psi, RPM = 60, Torque = 13 kft-lbs, MM RPM = 108, Total bit RPM = 168.					
Drlg Int 1		Drill		21:30		22:00		0.50		16.00		Drill - Slide		1,976.0		2,006.0		Slide from 1976' to 2006' (30' drilled @ 60 fph). WOB = 15 klbs, Q = 700 gpm, SPP = 2000 psi, Diff = 300 psi, MM RPM = 126, TFO = 160M.					
Drlg Int 1		Drill		22:00		22:30		0.50		16.50		Drill - Rotate		2,006.0		2,071.0		Rotate from 2006' to 2071' (65' drilled @ 130 fph). WOB = 40 klbs, Q = 700 gpm, SPP = 2350 psi, Diff = 650 psi, RPM = 80, Torque = 13 kft-lbs, MM RPM = 126, Total bit RPM = 206.					
Drlg Int 1		Drill		22:30		23:00		0.50		17.00		Drill - Slide		2,071.0		2,106.0		Slide from 2071' to 2106' (35' drilled @ 70 fph). WOB = 15 klbs, Q = 800 gpm, SPP = 2400 psi, Diff = 300 psi, MM RPM = 144, TFO = 160M.					
Drlg Int 1		Drill		23:00		01:00		2.00		19.00		Drill - Rotate		2,106.0		2,925.0		Rotate from 2106' to 2925' (819' drilled @ 409.5 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4150 psi, Diff = 1050 psi, RPM = 80, Torque = 16 kft-lbs, MM RPM = 180, Total bit RPM = 260.					
Drlg Int 1		Drill		01:00		01:30		0.50		19.50		Drill - Slide		2,925.0		2,962.0		Slide from 2925' to 2962' (37' drilled @ 74 fph). WOB = 24 klbs, Q = 1000 gpm, SPP = 3500 psi, Diff = 300 psi, MM RPM = 180, TFO = 130M.					
Drlg Int 1		Drill		01:30		02:30		1.00		20.50		Drill - Rotate		2,962.0		3,208.0		Rotate from 2962' to 3208' (246' drilled @ 246 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4150 psi, Diff = 1050 psi, RPM = 80, Torque = 16 kft-lbs, MM RPM = 180, Total bit RPM = 260.					
Drlg Int 1		Drill		02:30		03:00		0.50		21.00		Rig Repair		3,208.0		3,208.0		Troubleshoot top drive torque/ program issue				3	
Drlg Int 1		Drill		03:00		04:00		1.00		22.00		Drill - Rotate		3,208.0		3,590.0		Rotate from 3208' to 3590' (382' drilled @ 382 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4150 psi, Diff = 1050 psi, RPM = 80, Torque = 18 kft-lbs, MM RPM = 180, Total bit RPM = 260.					
Ovintiv Confidential																							
Page 1/4																							
Report Printed: 5/21/2023																							



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 8.0, DFS: 0.38
Report Start Date: 5/20/2023 06:00
Report End Date: 5/21/2023 06:00
Depth Progress: 2,092.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 3,969.0		Total Depth (TVD) (ftKB) Original Hole - 3,960.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		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 #
Drig Int 1	Drill	04:00	04:30	0.50	22.50	Drill - Slide	3,590.0	3,625.0	Slide from 3590' to 3625' (35' drilled @ 70 fph). WOB = 25 klbs, Q = 665 gpm, SPP = 2000 psi, Diff = 300 psi, MM RPM = 120, TFO = 160M.				
Drig Int 1	Drill	04:30	06:00	1.50	24.00	Drill - Rotat e	3,625.0	3,969.0	Rotate from 3625' to 3969' (344' drilled @ 229.3 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4150 psi, Diff = 1050 psi, RPM = 80, Torque = 18 kft-lbs, MM RPM = 180, Total bit RPM = 260.				

-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate												
Bit Run	Type	Size (in)	Make	Model	SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out
2	PDC	11	Ulterra	WAV616	64593	1.3500 0000	1,877.0	3,969.0	2,092.0	8.50	246.1	-----

-- 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)
99	Drill Pipe	S135	5	4.276	3,132.00	3,969.47	19.50	61,074.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
9	HWDP		5	3.0	271.60	837.47	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 1/4	3.0	4.00	565.87	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
6	Drill Collar		6 3/4	2.875	176.97	561.87	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	384.90	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	2.937	268.77	380.86	146.49	39,372.1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.875	3.16	112.09	146.49	462.9	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	NMDC		7.94	3.75	28.19	108.93	146.49	4,129.6	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		7.82	3.75	30.76	80.74	146.49	4,506.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.5	2.60	49.98	146.49	380.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		7.87	3.062	4.78	47.38	146.49	700.2	Reg	Stabilizer	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.10	42.60	146.49	6,020.7	Reg	Motor 2 w/ 10-1/8" stabilizer	6 5/8 Reg x 6 5/8 Reg		

-- DOWNHOLE SENSORS --													
Sensor Type					Sensor-Bit (ft)					Note			
Gamma										58.07 Gordon Technologies			
Directional										68.34 Gordon Technologies			

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --													
Lower Deflection Type Fixed					Lower Deflection Amount 1.15					Rotor Nozzle Diameter (in) 3.000			

-- 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	5/20/2023	1.0	1.0		4.0	4.0	0.0	0.0
Barite (Bulk)	5/20/2023	21.41			27.44	0.0	0.0	27.44
Barite (Sack)	5/20/2023	160.0			160.0	0.0	0.0	160.0
Bentonite (Bulk)	5/20/2023	19.3			19.3	0.0	0.0	19.3
Blower Rental	5/20/2023	2.0	2.0		8.0	8.0	0.0	0.0
Bulk Tank Rental	5/20/2023				4.0	4.0	0.0	0.0
Cedar Fiber	5/20/2023	120.0			298.0	0.0	0.0	298.0
Cottonseed Hulls	5/20/2023	156.0			294.0	0.0	0.0	294.0
Diaseal M	5/20/2023		-10.0	35.0	25.0	-10.0	35.0	0.0
Freight	5/20/2023	5,532.1	5,532.1		10,880.3	10,880.3	0.0	0.0
GenSeal M	5/20/2023			96.0	96.0	0.0	96.0	0.0
GS Seal Plus	5/20/2023		-9.0	29.0	20.0	-9.0	29.0	0.0
LC Lube	5/20/2023		-7.0	14.0	7.0	-7.0	14.0	0.0
Pallets	5/20/2023	12.0	7.0	5.0	12.0	7.0	5.0	0.0
Retention Bonus (Will)	5/20/2023	1.0	1.0		4.0	4.0	0.0	0.0
Shrink Wrap	5/20/2023	12.0	10.0	2.0	12.0	10.0	2.0	0.0
Soda Ash	5/20/2023	50.0			64.0	0.0	0.0	64.0
Xanthan 25#	5/20/2023	88.0			88.0	0.0	0.0	88.0

-- 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	
5/21/2023	Fuel		Diesel Fuel - Rig		0.0		3,927.0	0.0	0.0	3,927.0	gal US		
5/21/2023	Fuel		Diesel		800.0		12,700.0	1,000.0	0.0	11,700.0	gal US		



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 8.0, DFS: 0.38
Report Start Date: 5/20/2023 06:00
Report End Date: 5/21/2023 06:00
Depth Progress: 2,092.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (F... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 3,969.0		Total Depth (TVD) (ftKB) Original Hole - 3,960.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- LOST CIRCULATION --

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

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
3,045.00	5.92	163.15	3,040.73	95.96	-92.35	26.25	0.45	0.37	-2.62
3,235.00	5.78	162.14	3,229.75	115.32	-110.83	32.02	0.09	-0.07	-0.53
3,330.00	5.74	160.26	3,324.27	124.85	-119.86	35.09	0.20	-0.04	-1.98
3,424.00	5.38	159.27	3,417.82	133.95	-128.40	38.24	0.40	-0.38	-1.05
3,969.00	5.38	159.27	3,960.42	184.98	-176.19	56.33	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	4/25/2023		4/26/2023	
Intermediate		11	1,877.0	3,969.0	5/21/2023			

-- LAST CASING RUN --

Csg Des		Run Date		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft)		Grade		Top Thread	
Surface		4/27/2023 00:00		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	

-- SHAKER SCREENS --

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

-- BOP --

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

-- BOP COMPONENTS --

Type		Make		Serial Number		P Range (psi)		Nominal ID (in)		Body Type	

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)

Date		Type		Tour		Des		Com	
5/20/2023 06:00		Safety Meeting/JSA		Day		Pre-Tour		Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.	
5/20/2023 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		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5	
2		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5	
3		5/16/2023				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)	

-- 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	



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 8.0, DFS: 0.38

Report Start Date: 5/20/2023 06:00

Report End Date: 5/21/2023 06:00

Depth Progress: 2,092.0

API/UWI 42003487930000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 3,969.0	Total Depth (TVD) (ftKB) Original Hole - 3,960.4		Latitude (decimal) (°) 32.41915950	Longitude (decimal) (°) -102.29776780	Spud Date 4/25/2023	Final Rig Release Date

-- REMARKS --

Remarks

Well Control

*Last BOP Drill: 5/9/23

*Last Trip Drill: 5/13/23

*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 BHA Inspection: 4/19/23

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

*Last BOP Test: 5/20/23

*Next BOP Test: 6/10/23

*Saver sub changed: 5/19/23

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

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

*12 Jts 5" Delta 527 HWD (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

H&P Labor - Days: 6 Hands - Nights: 5 Hands

H&P 553 equipment issues:

•Agitator blades need changing out. On location

•Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole.

•Catwalk has oil leaks every time move/skid rig.

•Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 9.0, DFS: 1.38
Report Start Date: 5/21/2023 06:00
Report End Date: 5/22/2023 06:00
Depth Progress: 3,246.0

PI/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363									
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date							
-- RIG --																							
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft*lb) 52,000							
AFE Number 23213330D				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) \$442,203							
-- OPERATIONS SUMMARY --																							
Start Depth (ftKB) 3,969.0				Start Depth (TVD) (ftKB) 3,960.0				Problem Time Hours (hr) 0.00				Percent Problem Time (%) 0.00				Daily Mud Field Est (Cost) \$6,232				Daily Field Est Total (Cost) \$84,000			
End Depth (ftKB) 7,215.0				End Depth (TVD) (ftKB) 7,196.4				Cum Problem Time Days (days) 0.292				Cum Percent Problem Time (%) 4.12				Cum Mud Field Est (Cost) \$21,777				Cum Field Est To Date (Cost) \$1,067,941			
Target Depth (MD) (ftKB) 20,031.0				Target Formation Lower Lower Spraberry				Hole Condition Good				Weather Clear				Temperature (°F) 80.0				Road Condition Good			
24 Hr Summary Drilled from 3969' to 7215' (3246' drilled in 19.5 hrs @ avg ROP of 166.5 fph). Rotate 3023' in 14 hrs @ 215.9 fph. Slide 223' in 5.5 hrs @ 40.5 fph. Last survey @ 7126' Inc. .52, Azm. 120.03, Below 4.1', Left 1.9' Circ clean up cycles. TOOH F/7215' T/837'																							
AM Ops TOOH@837'								Ops Forecast Run 8-5/8' csg															
-- RIG SAFETY PERFORMANCE --																							
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)											
45.00				45.00																			
-- MUD CHECKS --																							
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)							
5/21/2023 20:00		Water based		Active		6,450.0		10.20		28		2.0		1.000									
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)							
										7.8		13.0		5.7									
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)							
87.0												148,000.000		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	07:30	1.50	1.50	Drill - Rotat e	3,969.0	4,444.0	Rotate from 3969' to 4444' (475' drilled @ 316.7 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4150 psi, Diff = 800 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 180, Total bit RPM = 260.														
Drlg Int 1	Drill	07:30	08:30	1.00	2.50	Drill - Slide	4,444.0	4,479.0	Slide from 4444' to 4479' (35' drilled @ 35 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 3620 psi, Diff = 150 psi, MM RPM = 180, TFO = 145M.														
Drlg Int 1	Drill	08:30	10:30	2.00	4.50	Drill - Rotat e	4,479.0	4,830.0	Rotate from 4479' to 4830' (351' drilled @ 175.5 fph). WOB = 45 klbs, Q = 730 gpm, SPP = 3090 psi, Diff = 1000 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 131, Total bit RPM = 211.														
Drlg Int 1	Drill	10:30	11:30	1.00	5.50	Drill - Slide	4,830.0	4,860.0	Slide from 4830' to 4860' (30' drilled @ 30 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 3620 psi, Diff = 150 psi, MM RPM = 180, TFO = 155M.														
Drlg Int 1	Drill	11:30	12:30	1.00	6.50	Drill - Rotat e	4,860.0	5,020.0	Rotate from 4860' to 5020' (160' drilled @ 160 fph). WOB = 45 klbs, Q = 730 gpm, SPP = 4600 psi, Diff = 1000 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 131, Total bit RPM = 211.														
Drlg Int 1	Drill	12:30	13:30	1.00	7.50	Drill - Slide	5,020.0	5,050.0	Slide from 5020' to 5050' (30' drilled @ 30 fph). WOB = 30 klbs, Q = 1000 gpm, SPP = 4020 psi, Diff = 325 psi, MM RPM = 180, TFO = 180M.														
Drlg Int 1	Drill	13:30	17:30	4.00	11.50	Drill - Rotat e	5,050.0	5,962.0	Rotate from 5050' to 5962' (912' drilled @ 228 fph). WOB = 45 klbs, Q = 730 gpm, SPP = 4720 psi, Diff = 1000 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 131, Total bit RPM = 211.														
Drlg Int 1	Drill	17:30	18:30	1.00	12.50	Drill - Slide	5,962.0	6,007.0	Slide from 5962' to 6007' (45' drilled @ 45 fph). WOB = 30 klbs, Q = 1000 gpm, SPP = 4025 psi, Diff = 325 psi, MM RPM = 180, TFO = 340M.														
Drlg Int 1	Drill	18:30	19:00	0.50	13.00	Drill - Rotat e	6,007.0	6,247.0	Rotate from 6007' to 6247' (240' drilled @ 480 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4600 psi, Diff = 1100 psi, RPM = 80, Torque = 20 kft-lbs, MM RPM = 180, Total bit RPM = 260.														
Drlg Int 1	Drill	19:00	20:00	1.00	14.00	Drill - Slide	6,247.0	6,305.0	Slide from 6247' to 6305' (58' drilled @ 58 fph). WOB = 25 klbs, Q = 1000 gpm, SPP = 3800 psi, Diff = 2000 psi, MM RPM = 180, TFO = 340M.														
Drlg Int 1	Drill	20:00	20:30	0.50	14.50	Drill - Rotat e	6,305.0	6,436.0	Rotate from 6305' to 6436' (131' drilled @ 262 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4400 psi, Diff = 800 psi, RPM = 85, Torque = 16 kft-lbs, MM RPM = 180, Total bit RPM = 265.														
Drlg Int 1	Drill	20:30	21:00	0.50	15.00	Drill - Slide	6,436.0	6,461.0	Slide from 6436' to 6461' (25' drilled @ 50 fph). WOB = 21 klbs, Q = 1000 gpm, SPP = 3800 psi, Diff = 200 psi, MM RPM = 180, TFO = 300M.														
Drlg Int 1	Drill	21:00	21:30	0.50	15.50	Rig Servi ce	6,461.0	6,461.0	Rig Service														
Drlg Int 1	Drill	21:30	02:00	4.50	20.00	Drill - Rotat e	6,461.0	7,215.0	Rotate from 6461' to 7215' (754' drilled @ 167.6 fph). WOB = 45 klbs, Q = 1000 gpm, SPP = 4350 psi, Diff = 650 psi, RPM = 85, Torque = 16 kft-lbs, MM RPM = 180, Total bit RPM = 265.														
Flat Int 1	Cond Trip	02:00	03:30	1.50	21.50	Circ & Cond Mud	7,215.0	7,215.0	Circ 2-high visc LCM sweeps around.														
Flat Int 1	Cond Trip	03:30	06:00	2.50	24.00	Trip	7,215.0	7,215.0	TOOH F/7215' T/837'														
-- DRILL BITS -- (BHA #2 SUMMARY) Intermediate																							
Bit Run 2	Type PDC	Size (in) 11	Make Ulterra			Model WAV616		SN 64593	Bit TFA... 1.3500 0000	Depth In... 1,877.0	Depth O... 7,215.0	Drilled (ft) 5,338.0	Drill Tim... 28.00	Avg RO... 190.6	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)						
202	Drill Pipe			S135	5	4.276	6,378.0 0	7,215.4 7	19.50	124,371 .0	Delta 527	Drill Pipe		4 1/2 Delta 527 x 4 1/2 Delta 527									

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Report Printed: 5/22/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 9.0, DFS: 1.38
Report Start Date: 5/21/2023 06:00
Report End Date: 5/22/2023 06:00
Depth Progress: 3,246.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		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)
9	HWDP		5	3.0	271.60	837.47	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 1/4	3.0	4.00	565.87	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
6	Drill Collar		6 3/4	2.875	176.97	561.87	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	384.90	146.49	591.8	IF	XO	4 1/2 IF x 6 5/8 NC 56		
9	Drill Collar		8	2.937	268.77	380.86	146.49	39,372.1	NC 56	Drill Collar	6 5/8 NC 56 x 6 5/8 NC 56		
1	XO Sub		8	2.875	3.16	112.09	146.49	462.9	NC 56	XO	6 5/8 NC 56 x 6 5/8 Reg		
1	NMDC		7.94	3.75	28.19	108.93	146.49	4,129.6	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	NMDC		7.82	3.75	30.76	80.74	146.49	4,506.0	Reg	Drill collar - non mag	6 5/8 Reg x 6 5/8 Reg		
1	UBHO		8	3.5	2.60	49.98	146.49	380.9	Reg	MWD	6 5/8 Reg x 6 5/8 Reg		
1	Stabilizer		7.87	3.062	4.78	47.38	146.49	700.2	Reg	Stabilizer	6 5/8 Reg x 6 5/8 Reg		
1	7/8:L 7.0:S @ 0.18		8 3/4	2.0	41.10	42.60	146.49	6,020.7	Reg	Motor 2 w/ 10-1/8" stabilizer	6 5/8 Reg x 6 5/8 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	
Gamma		58.07		Gordon Technologies	
Directional		68.34		Gordon Technologies	

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --

Lower Deflection Type		Lower Deflection Amount		Rotor Nozzle Diameter (in)	
Fixed		1.15		3.000	

-- 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	5/21/2023	1.0	1.0		5.0	5.0	0.0	0.0
24 Hour Service	5/21/2023				5.0	5.0	0.0	0.0
Bentonite (Bulk)	5/21/2023		5.3		19.3	5.3	0.0	14.0
Blower Rental	5/21/2023	2.0	2.0		10.0	10.0	0.0	0.0
Cedar Fiber	5/21/2023		24.0		298.0	24.0	0.0	274.0
Cottonseed Hulls	5/21/2023		99.0		294.0	99.0	0.0	195.0
Retention Bonus (Will)	5/21/2023	1.0	1.0		5.0	5.0	0.0	0.0
Soda Ash	5/21/2023		8.0		64.0	8.0	0.0	56.0
Sodium Sulfite	5/21/2023		24.0		73.0	24.0	0.0	49.0

-- 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
5/22/2023	Fuel		Diesel Fuel - Rig		113.0		3,927.0	113.0	0.0	3,814.0	gal US	
5/22/2023	Fuel		Diesel		3,600.0		12,700.0	6,100.0	0.0	6,600.0	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	0.53	162.48	6,822.39	400.51	-375.51	139.29	0.19	0.19	1.07
6,936.00	0.60	154.19	6,917.38	401.44	-376.38	139.64	0.11	0.07	-8.73
7,031.00	0.49	139.40	7,012.38	402.32	-377.13	140.12	0.19	-0.12	-15.57
7,126.00	0.52	120.03	7,107.38	403.03	-377.66	140.76	0.18	0.03	-20.39
7,215.00	0.52	120.03	7,196.37	403.66	-378.06	141.45	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
Production	7 7/8				
Conductor	30	30.0	70.0	4/12/2023	4/12/2023
Surface	16	70.0	1,877.0	4/25/2023	4/26/2023
Intermediate	11	1,877.0	7,215.0	5/21/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Surface	4/27/2023 00:00	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

Ovintiv Confidential

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Report Printed: 5/22/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 9.0, DFS: 1.38
Report Start Date: 5/21/2023 06:00
Report End Date: 5/22/2023 06:00
Depth Progress: 3,246.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- 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		Make				Serial Number				P Range (psi)		Nominal ID (in)		Body Type

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)														
Date		Type			Tour		Des		Com					
5/21/2023 06:00		Safety Meeting/JSA			Day		Pre-Tour		Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.					
5/21/2023 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)	
1		5/16/2023					Gardner-Denver		PZ-11		1,600.0		10.98	
2		5/16/2023					Gardner-Denver		PZ-11		1,600.0		10.98	
3		5/16/2023					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)	

-- 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	

-- REMARKS --														
Remarks Well Control *Last BOP Drill: 5/9/23 *Last Trip Drill: 5/13/23 *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 BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole. •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.														



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 10.0, DFS: 2.38
Report Start Date: 5/22/2023 06:00
Report End Date: 5/23/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750,000		Max Torque (ft*lb) 52,000	
AFE Number 23213330D		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) \$443,446	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 7,215.0		Start Depth (TVD) (ftKB) 7,196.4		Problem Time Hours (hr) 0.00		Percent Problem Time (%) 0.00		Daily Mud Field Est (Cost) \$3,763		Daily Field Est Total (Cost) \$544,500	
End Depth (ftKB) 7,215.0		End Depth (TVD) (ftKB) 7,196.4		Cum Problem Time Days (days) 0.292		Cum Percent Problem Time (%) 3.61		Cum Mud Field Est (Cost) \$25,541		Cum Field Est To Date (Cost) \$1,592,041	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Haze		Temperature (°F) 86.0		Road Condition Good	

24 Hr Summary
TOOH F/837', L/D directional. PJSM & R/U csg crew. RUn 8-5/8" csg T/7200'. Circ csg capacity. R/D csg crew, R/U cementers. PJSM w/ Schlumberger & Rig Crews *Intermediate 1st Stage* Pump Water Disp: 433 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (1200 - 1,700 psi) Inflate packer @2600psi bled off 125psi. Bled Back: 3 bbls Flts held. (Drop DV opening device (20 mins) & Open @ 1015 psi) - Full Returns. 25bbls cement on top DV *Intermediate 2nd Stage* Pump Water Disp: 303 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (850 - 2300 psi) Bled Back: 3 bbl (90bbls cement back.) B/O landing jt set packoff & test same. C/O saver sub. P/U directional tools.TIH T/4000'

Notified TRRC: Mary @13:15 on 5/22/23 of intent to run & cement 8-5/8" csg.

AM Ops
TIH @4000'

Ops Forecast
TIH & drill out DV, flt equip. Drill to KOP.

-- RIG SAFETY PERFORMANCE --

Days Since Last LTI (days)		Days Since Last Reportable Inc (days)		MACP (psi)		WB Depth @ 6am (ftKB)	
46.00		46.00					

-- MUD CHECKS --

Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
5/22/2023 20:00	Water based	Active	7,215.0	10.20	28	2.0	1.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
					7.8	13.0	5.7	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
87.0						148,500.000	1	0.0

-- INTERVAL PROBLEMS (NPT) --

Problem Type	Problem Subtype	Dur (Net) (hr)	Start Date	End Date	Start Depth (...)	End Depth (f...)	Description	Ref #
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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 Int 1	Cond Trip	06:00	07:30	1.50	1.50	Trip	7,215.0	7,215.0	Rack back 3 stds HWDP, 2-6.75"DCs, 3-8"DC	
Flat Int 1	Cond Trip	07:30	08:30	1.00	2.50	Handle Tools	7,215.0	7,215.0	L/D directional BHA	
Flat Int 1	Cond Trip	08:30	09:00	0.50	3.00	Wellhead	7,215.0	7,215.0	Pull wear bushing	
Flat Int 1	Cond Trip	09:00	09:30	0.50	3.50	Other	7,215.0	7,215.0	Accumulator drawdown test	
Flat Int 1	Cond Trip	09:30	10:30	1.00	4.50	Other	7,215.0	7,215.0	C/O saver sub	
Flat Int 1	Case & Cement	10:30	11:30	1.00	5.50	Run Casing	7,215.0	7,215.0	PJSM R/U csg crew, Verify CRT torque & nose cone, Elevator ID	
Flat Int 1	Case & Cement	11:30	18:30	7.00	12.50	Run Casing	7,215.0	7,215.0	Run 8-5/8" 32.0# HCL-80 GBCD csg T/7200'. Washed down last 2-jts (land on hanger w/170k)	
Flat Int 1	Case & Cement	18:30	19:00	0.50	13.00	Other	7,215.0	7,215.0	R/D Casing Equip.	
Flat Int 1	Case & Cement	19:00	19:30	0.50	13.50	Circ & Cond Mud	7,215.0	7,215.0	Circ. Casing Cap. w/ CRT @ 7200' (Full Returns)	
Flat Int 1	Case & Cement	19:30	01:30	6.00	19.50	Cmnt Casing	7,215.0	7,215.0	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: 135 bbls (11.5 ppg) @ 8 bpm Pump Tail Cmnt: 35 bbls (14.8 ppg) @ 6.0 bpm Drop Plug Pump Tail Cmnt: 5 bbls (14.8 ppg) @ 6.0 bpm Pump Water Spacer: 20 bbls (8.3 ppg) @ 8 bpm Pump Water Disp: 433 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (1200 - 1,700 psi) Inflate packer @2600psi bled off 125psi. Bled Back: 3 bbls Flts held. (Drop DV opening device (20 mins) & Open @ 1015 psi) - Full Returns. 25bbls cement on top DV *Intermediate 2nd Stage* Pump Water Spacer: 40 bbls (8.3 ppg) @ 8 bpm Pump Lead Cmnt: 411 bbls (11.5 ppg) @ 8 bpm Pump Tail Cmnt: 30 bbls (14.8 ppg) @ 5 bpm Drop Plug Pump Water Disp: 303 bbls (8.3 ppg) @ 8 bpm Bumped plug on calculated @ 4 bpm (850 - 2300 psi) Bled Back: 3 bbl (90bbls cement back.)	
Flat Int 1	BOP/WH/Drillout	01:30	02:30	1.00	20.50	Wellhead	7,215.0	7,215.0	B/O landing jt. Install 8 5/8" Cactus Pack-Off Assembly & Load/Psi - Test Pack-Off - 5k. 50k over pull.	
Flat Int 1	BOP/WH/Drillout	02:30	03:00	0.50	21.00	Wellhead	7,215.0	7,215.0	Install wear bushing	
Flat Int 1	BOP/WH/Drillout	03:00	04:00	1.00	22.00	Other	7,215.0	7,215.0	C/O saver sub.	
Flat Int 1	BOP/WH/Drillout	04:00	04:30	0.50	22.50	Handle Tools	7,215.0	7,215.0	P/U directional tools.	
Flat Int 1	BOP/WH/Drillout	04:30	06:00	1.50	24.00	Trip	7,215.0	7,215.0	TIH F/BHA T/4000'	

-- 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)

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Report Printed: 5/23/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 11.0, DFS: 3.38
Report Start Date: 5/23/2023 06:00
Report End Date: 5/24/2023 06:00
Depth Progress: 1,955.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$443,446

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 7,215.0	Start Depth (TVD) (ftKB) 7,196.4	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$20,116	Daily Field Est Total (Cost) \$118,000
End Depth (ftKB) 9,170.0	End Depth (TVD) (ftKB) 9,151.1	Cum Problem Time Days (days) 0.292	Cum Percent Problem Time (%) 3.21	Cum Mud Field Est (Cost) \$45,657	Cum Field Est To Date (Cost) \$1,736,656
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Clear	Temperature (°F) 74.0	Road Condition Good
24 Hr Summary TIH F/4000' T/4983' Test above DV & drill out. Test csg below. TIH T/7107' Drill out cement & flt equip T/7215'. Drilled from 7215' to 9170' (1955' drilled in 11.5 hrs @ avg ROP of 170 fph). Rotate 1899' in 10 hrs @ 189.9 fph. Slide 56' in 1.5 hrs @ 37.3 fph. Last survey @9118' Inc. .51, Azm. 26.25, Above 2.0' Right 8.2'. Circ sweep around. TOO H F/9170' & P/U curve assembly. TIH T/7500'					
AM Ops TIH @7500'			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)	
47.00		47.00						
-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
5/23/2023 20:00	Water based	Active	9,080.0	8.90	30	3.0	6.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
1.000	2.000	2.000	14.6	1	8.5	6.0	4.8	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
94.0						24,000.000	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 #
Flat Int 1	BOP/WH/ Drillout	06:00	06:30	0.50	0.50	Trip	7,215.0	7,215.0	TIH F/4000' T/4983'						
Flat Int 1	BOP/WH/ Drillout	06:30	08:00	1.50	2.00	Drill - Other	7,215.0	7,215.0	5 min test above DV, Drill out DV tool						
Flat Int 1	BOP/WH/ Drillout	08:00	08:30	0.50	2.50	Other	7,215.0	7,215.0	Test csg 1500psi below DV-30min						
Flat Int 1	BOP/WH/ Drillout	08:30	10:00	1.50	4.00	Trip	7,215.0	7,215.0	TIH F/4893' T/7107' tag flt collar						
Flat Int 1	BOP/WH/ Drillout	10:00	10:30	0.50	4.50	Drill - Other	7,215.0	7,215.0	Drill out cement & flt equip F/7107' T/7215' Displace w/Gen 8.8ppg						
Drlg Prod	Drill	10:30	13:00	2.50	7.00	Drill - Rotate	7,215.0	7,890.0	Rotate from 7215' to 7890' (675' drilled @ 270 fph). WOB = 35 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 1000 psi, RPM = 80, Torque = 14 kft-lbs, MM RPM = 140, Total bit RPM = 220.						
Drlg Prod	Drill	13:00	14:00	1.00	8.00	Drill - Slide	7,890.0	7,916.0	Slide from 7890' to 7916' (26' drilled @ 26 fph). WOB = 17 klbs, Q = 500 gpm, SPP = 2070 psi, Diff = 200 psi, MM RPM = 140, TFO = 310M.						
Drlg Prod	Drill	14:00	17:30	3.50	11.50	Drill - Rotate	7,916.0	8,642.0	Rotate from 7916' to 8642' (726' drilled @ 207.4 fph). WOB = 35 klbs, Q = 600 gpm, SPP = 2700 psi, Diff = 1000 psi, RPM = 80, Torque = 14 kft-lbs, MM RPM = 168, Total bit RPM = 248.						
Drlg Prod	Drill	17:30	18:00	0.50	12.00	Drill - Slide	8,642.0	8,672.0	Slide from 8642' to 8672' (30' drilled @ 60 fph). WOB = 20 klbs, Q = 600 gpm, SPP = 2300 psi, Diff = 300 psi, MM RPM = 168, TFO = 330M.						
Drlg Prod	Drill	18:00	22:00	4.00	16.00	Drill - Rotate	8,672.0	9,170.0	Rotate from 8672' to 9170' (498' drilled @ 124.5 fph). WOB = 30 klbs, Q = 600 gpm, SPP = 2700 psi, Diff = 700 psi, RPM = 80, Torque = 12 kft-lbs, MM RPM = 168, Total bit RPM = 248.						
Drlg Prod	Drill	22:00	22:30	0.50	16.50	Circ & Cond Mud	9,170.0	9,170.0	Circ sweep out, build & pump slug.						
Drlg Prod	Cond Trip	22:30	01:30	3.00	19.50	Trip	9,170.0	9,170.0	TOOH F/9170' T/BHA						
Drlg Prod	Cond Trip	01:30	03:00	1.50	21.00	Handle Tools	9,170.0	9,170.0	C/O directional tools, P/U curve assembly.						
Drlg Prod	Cond Trip	03:00	06:00	3.00	24.00	Trip	9,170.0	9,170.0	TIH F/BHA T/7500'						

-- DRILL BITS -- (BHA #3 SUMMARY) Vertical															
Bit Run	Type	Size (in)	Make		Model		SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out	
3	PDC	7 7/8	Ulterra		RPS616		62072	1.0300 0000	7,215.0	9,170.0	1,955.0	11.50	170.0	1-1-CT-N-X-0-CT-BHA	

-- BHA --															
Jts	Item Des		Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections		Gauge (in)	Drift (in)
288	Drill Pipe		S135	5	4.276	9,072.37	9,170.00	19.50	176,911.2	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	XO Sub			6.53	3.0	4.00	97.63	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	30.93	93.63	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC			6 3/8	3.25	30.86	62.70	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO			6 1/2	3.25	2.62	31.84	146.49	383.8	IF	MWD	4 1/2 IF x 4 1/2 IF			
1	7/8:L 5.0:S @.28			7	3.0	28.22	29.22	146.49	4,133.9	IF	Motor 2	4 1/2 IF x 4 1/2 Reg			

-- DOWNHOLE SENSORS --															
Sensor Type						Sensor-Bit (ft)						Note			
Directional						52.00						Gordon Technologies			



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 11.0, DFS: 3.38
Report Start Date: 5/23/2023 06:00
Report End Date: 5/24/2023 06:00
Depth Progress: 1,955.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 7,215.0		Total Depth (TVD) (ftKB) Original Hole - 7,196.4			Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- DOWNHOLE SENSORS --														
Sensor Type					Sensor-Bit (ft)					Note				
Gamma					60.20					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			5/23/2023		1.0	1.0		7.0	7.0	0.0	0.0			
Aquasol 325			5/23/2023			15.0		30.0	15.0	0.0	15.0			
Blower Rental			5/23/2023		2.0	2.0		14.0	14.0	0.0	0.0			
Calcium Carbonate			5/23/2023			6.0		34.0	6.0	0.0	28.0			
Cedar Fiber			5/23/2023			10.0		298.0	34.0	0.0	264.0			
Freight			5/23/2023		1,394.23	1,394.23		13,112.91	13,112.91	0.0	0.0			
Pac LV			5/23/2023			27.0		80.0	27.0	0.0	53.0			
Poly Gen			5/23/2023			49.0		172.0	49.0	0.0	123.0			
Poly Tech			5/23/2023			12.0		52.0	12.0	0.0	40.0			
Retention Bonus (Will)			5/23/2023		1.0	1.0		7.0	7.0	0.0	0.0			
Soda Ash			5/23/2023			40.0		114.0	48.0	0.0	66.0			
Sodium Sulfite			5/23/2023			8.0		122.0	32.0	0.0	90.0			
Walnut Shell			5/23/2023			4.0		44.0	4.0	0.0	40.0			
Xanthan 25#			5/23/2023			2.0		88.0	2.0	0.0	86.0			

-- 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			1,330.0	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		
5/24/2023	Fuel		Diesel Fuel - Rig		0.0		3,927.0	113.0	0.0	3,814.0	gal US			
5/24/2023	Fuel		Diesel		1,640.0		19,902.0	9,522.0	0.0	10,380.0	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)					
8,871.00	1.05	14.88	8,852.17	402.92	-374.10	149.68	0.60	-0.60	-0.41					
8,966.00	0.82	1.23	8,947.15	401.60	-372.57	149.92	0.34	-0.24	-14.37					
9,060.00	0.63	13.84	9,041.15	400.57	-371.40	150.05	0.26	-0.20	13.41					
9,118.00	0.51	26.25	9,099.14	400.14	-370.86	150.24	0.30	-0.21	21.40					
9,170.00	0.51	26.25	9,151.14	399.83	-370.44	150.45	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	4/25/2023			4/26/2023				
Intermediate				11	1,877.0	7,215.0	5/21/2023							
Production				7 7/8	7,215.0		5/23/2023							

-- LAST CASING RUN --														
Csg Des		Run Date			Set Depth (ftKB)		OD (in)	Wt/Len (lb/ft)	Grade		Top Thread			
Intermediate 1		5/22/2023 18:30			7,200.0		8 5/8	32.00	HC L-80					

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

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

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

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



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 12.0, DFS: 4.38
Report Start Date: 5/24/2023 06:00
Report End Date: 5/25/2023 06:00
Depth Progress: 826.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 9,996.0		Total Depth (TVD) (ftKB) Original Hole - 9,658.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- MUD MOTORS/VARIABLE GAUGE STABILIZERS --															
Lower Deflection Type Fixed								Lower Deflection Amount 2.12				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	5/24/2023	1.0	1.0		8.0	8.0	0.0	0.0
Aquasol 325	5/24/2023		15.0		30.0	30.0	0.0	0.0
Barite (Bulk)	5/24/2023	20.26	4.26		47.7	8.7	0.0	39.0
Blower Rental	5/24/2023	2.0	2.0		16.0	16.0	0.0	0.0
Calcium Carbonate	5/24/2023		15.0		34.0	21.0	0.0	13.0
Cedar Fiber	5/24/2023		91.0		298.0	125.0	0.0	173.0
Cottonseed Hulls	5/24/2023		13.0		294.0	112.0	0.0	182.0
Freight	5/24/2023	1,011.16	1,011.16		14,124.07	14,124.07	0.0	0.0
Pac LV	5/24/2023		5.0		80.0	32.0	0.0	48.0
Poly Gen	5/24/2023		15.0		172.0	64.0	0.0	108.0
Poly Tech	5/24/2023		9.0		52.0	21.0	0.0	31.0
Retention Bonus (Will)	5/24/2023	1.0	1.0		8.0	8.0	0.0	0.0
Soda Ash	5/24/2023		11.0		114.0	59.0	0.0	55.0
Sodium Sulfite	5/24/2023		9.0		122.0	41.0	0.0	81.0
Xanthan 25#	5/24/2023		16.0		88.0	18.0	0.0	70.0

-- 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				1,330.0		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
5/25/2023	Fuel		Diesel Fuel - Rig		0.0		3,927.0	113.0	0.0	3,814.0	gal US	
5/25/2023	Fuel		Diesel		1,884.0		19,902.0	11,406.0	0.0	8,496.0	gal US	

-- LOST CIRCULATION --

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

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
9,660.00	51.05	352.54	9,574.85	-125.80	-157.68	105.66	11.24	11.13	-2.19
9,755.00	65.13	349.59	9,624.95	-52.16	-78.25	93.01	15.05	14.82	-3.11
9,849.00	80.88	350.23	9,652.34	29.23	9.98	77.34	16.77	16.76	0.68
9,944.00	90.55	342.66	9,659.44	112.53	101.89	55.14	12.91	10.18	-7.97
9,996.00	90.55	342.66	9,658.94	156.62	151.52	39.64	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	4/25/2023	4/26/2023
Intermediate	11	1,877.0	7,215.0	5/21/2023	
Production	7 7/8	7,215.0	9,996.0	5/23/2023	

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	5/22/2023 18:30	7,200.0	8 5/8	32.00	HC L-80	



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 12.0, DFS: 4.38
Report Start Date: 5/24/2023 06:00
Report End Date: 5/25/2023 06:00
Depth Progress: 826.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 9,996.0		Total Depth (TVD) (ftKB) Original Hole - 9,658.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

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

-- MUD PUMPS --							
Pump #	Start Date	End Date	Make	Model	Pwr (hp)	Stroke (in)	Rod Dia (in)
1	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)

-- 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

-- REMARKS --	
Remarks Well Control *Last BOP Drill: 5/19/23 *Last Trip Drill: 5/19/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole. •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.	



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 13.0, DFS: 5.38
Report Start Date: 5/25/2023 06:00
Report End Date: 5/26/2023 06:00
Depth Progress: 3,042.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363									
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 13,038.0		Total Depth (TVD) (ftKB) Original Hole - 9,635.0		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date							
-- RIG --																							
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft•lb) 52,000							
AFE Number 23213330D				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) \$489,052							
-- OPERATIONS SUMMARY --																							
Start Depth (ftKB) 9,996.0				Start Depth (TVD) (ftKB) 9,659.3				Problem Time Hours (hr) 0.00				Percent Problem Time (%) 0.00				Daily Mud Field Est (Cost) \$14,193				Daily Field Est Total (Cost) \$113,300			
End Depth (ftKB) 13,038.0				End Depth (TVD) (ftKB) 9,635.0				Cum Problem Time Days (days) 0.375				Cum Percent Problem Time (%) 3.38				Cum Mud Field Est (Cost) \$73,784				Cum Field Est To Date (Cost) \$2,186,434			
Target Depth (MD) (ftKB) 20,031.0				Target Formation Lower Lower Spraberry				Hole Condition Good				Weather Partly Cloudy				Temperature (°F) 82.0				Road Condition Good			
24 Hr Summary TIH F/3000' T/9511'.Wash F/9511' T/9996'.Circ clean up cycle, pump 40bbl high visc sweep.Drilled from 9996' to 13038' (3042' drilled in 19 hrs @ avg ROP of 160.1 fph). Rotate 2847' in 14 hrs @ 203.4 fph. Slide 195' in 5 hrs @ 39 fph. Lateral drilled past 80 deg = 3195'. Lateral remaining = 6993'. Last survey @12792', Inc. 89.01, Azm. 346.01, Above 11.6' Left 0.3'.																							
AM Ops Drilling 7-7/8" lateral @13038'								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)									
49.00				49.00																			
-- MUD CHECKS --																							
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)							
5/25/2023 20:00		Water based		Active		11,612.0		9.00		36		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		4.000		15.0		1		8.2		5.0		3.8									
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)							
95.0												24,000.000		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	Cond Trip	06:00	09:30	3.50	3.50	Trip	9,996.0	9,996.0	TIH F/3000' T/9511'														
Drlg Prod	Cond Trip	09:30	10:30	1.00	4.50	Ream & Wash	9,996.0	9,996.0	Wash F/9511' T/9996'														
Drlg Prod	Cond Trip	10:30	11:00	0.50	5.00	Circ & Cond Mud	9,996.0	9,996.0	Circ clean up cycle, pump 40bbl high visc sweep														
Drlg Prod	Drill Hz	11:00	11:30	0.50	5.50	Drill - Rotat e	9,996.0	10,010.0	Rotate from 9996' to 10010' (14' drilled @ 28 fph). WOB = 35 klbs, Q = 550 gpm, SPP = 3000 psi, Diff = 650 psi, RPM = 45, Torque = 17 kft -lbs, MM RPM = 154, Total bit RPM = 199.														
Drlg Prod	Drill Hz	11:30	12:00	0.50	6.00	Drill - Slide	10,010.0	10,037.0	Slide from 10010' to 10037' (27' drilled @ 54 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2400 psi, Diff = 350 psi, MM RPM = 154, TFO = 90R.														
Drlg Prod	Drill Hz	12:00	12:30	0.50	6.50	Drill - Rotat e	10,037.0	10,110.0	Rotate from 10037' to 10110' (73' drilled @ 146 fph). WOB = 40 klbs, Q = 550 gpm, SPP = 3100 psi, Diff = 1100 psi, RPM = 60, Torque = 20 kft-lbs, MM RPM = 154, Total bit RPM = 214.														
Drlg Prod	Drill Hz	12:30	13:00	0.50	7.00	Drill - Slide	10,110.0	10,132.0	Slide from 10110' to 10132' (22' drilled @ 44 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 2400 psi, Diff = 400 psi, MM RPM = 154, TFO = 30R.														
Drlg Prod	Drill Hz	13:00	14:30	1.50	8.50	Drill - Rotat e	10,132.0	10,486.0	Rotate from 10132' to 10486' (354' drilled @ 236 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 2600 psi, Diff = 700 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 140, Total bit RPM = 220.														
Drlg Prod	Drill Hz	14:30	15:00	0.50	9.00	Drill - Slide	10,486.0	10,508.0	Slide from 10486' to 10508' (22' drilled @ 44 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 2300 psi, Diff = 450 psi, MM RPM = 140, TFO = 150R.														
Drlg Prod	Drill Hz	15:00	16:30	1.50	10.50	Drill - Rotat e	10,508.0	10,770.0	Rotate from 10508' to 10770' (262' drilled @ 174.7 fph). WOB = 42 klbs, Q = 550 gpm, SPP = 3000 psi, Diff = 900 psi, RPM = 80, Torque = 21 kft-lbs, MM RPM = 154, Total bit RPM = 234.														
Drlg Prod	Drill Hz	16:30	17:00	0.50	11.00	Drill - Slide	10,770.0	10,791.0	Slide from 10770' to 10791' (21' drilled @ 42 fph). WOB = 55 klbs, Q = 550 gpm, SPP = 2350 psi, Diff = 250 psi, MM RPM = 154, TFO = 170L.														
Drlg Prod	Drill Hz	17:00	18:30	1.50	12.50	Drill - Rotat e	10,791.0	11,056.0	Rotate from 10791' to 11056' (265' drilled @ 176.7 fph). WOB = 45 klbs, Q = 550 gpm, SPP = 3200 psi, Diff = 1010 psi, RPM = 80, Torque = 22 kft-lbs, MM RPM = 154, Total bit RPM = 234.														
Drlg Prod	Drill Hz	18:30	19:00	0.50	13.00	Drill - Slide	11,056.0	11,072.0	Slide from 11056' to 11072' (16' drilled @ 32 fph). WOB = 55 klbs, Q = 550 gpm, SPP = 2400 psi, Diff = 250 psi, MM RPM = 154, TFO = 20R.														
Drlg Prod	Drill Hz	19:00	21:30	2.50	15.50	Drill - Rotat e	11,072.0	11,625.0	Rotate from 11072' to 11625' (553' drilled @ 221.2 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 1100 psi, RPM = 85, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 245.														
Drlg Prod	Drill Hz	21:30	22:00	0.50	16.00	Drill - Slide	11,625.0	11,650.0	Slide from 11625' to 11650' (25' drilled @ 50 fph). WOB = 55 klbs, Q = 500 gpm, SPP = 2400 psi, Diff = 250 psi, MM RPM = 160, TFO = 170R.														
Drlg Prod	Drill Hz	22:00	23:00	1.00	17.00	Drill - Rotat e	11,650.0	11,915.0	Rotate from 11650' to 11915' (265' drilled @ 265 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 1000 psi, RPM = 70, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 230.														
Drlg Prod	Drill Hz	23:00	23:30	0.50	17.50	Drill - Slide	11,915.0	11,927.0	Slide from 11915' to 11927' (12' drilled @ 24 fph). WOB = 55 klbs, Q = 500 gpm, SPP = 2400 psi, Diff = 300 psi, MM RPM = 160, TFO = 20R.														
Drlg Prod	Drill Hz	23:30	01:00	1.50	19.00	Drill - Rotat e	11,927.0	12,190.0	Rotate from 11927' to 12190' (263' drilled @ 175.3 fph). WOB = 38 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 1000 psi, RPM = 70, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 230.														
Drlg Prod	Drill Hz	01:00	01:30	0.50	19.50	Drill - Slide	12,190.0	12,215.0	Slide from 12190' to 12215' (25' drilled @ 50 fph). WOB = 55 klbs, Q = 500 gpm, SPP = 2400 psi, Diff = 300 psi, MM RPM = 160, TFO = 170L.														

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Report Printed: 5/26/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 13.0, DFS: 5.38
Report Start Date: 5/25/2023 06:00
Report End Date: 5/26/2023 06:00
Depth Progress: 3,042.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 13,038.0		Total Depth (TVD) (ftKB) Original Hole - 9,635.0		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- TIMELOG --

Phase	Task	Start Time	End Time	Dur (hr)	Cum Dur (hr)	Activity	Start Depth (ftKB)	End Depth (ftKB)	Com			Prob Ref #
Drlg Prod	Drill Hz	01:30	03:30	2.00	21.50	Drill - Rotat e	12,215.0	12,670.0	Rotate from 12215' to 12670' (455' drilled @ 227.5 fph). WOB = 38 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 1000 psi, RPM = 70, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 230.			
Drlg Prod	Drill Hz	03:30	04:30	1.00	22.50	Drill - Slide	12,670.0	12,695.0	Slide from 12670' to 12695' (25' drilled @ 25 fph). WOB = 55 klbs, Q = 500 gpm, SPP = 2300 psi, Diff = 250 psi, MM RPM = 160, TFO = 170R.			
Drlg Prod	Drill Hz	04:30	06:00	1.50	24.00	Drill - Rotat e	12,695.0	13,038.0	Rotate from 12695' to 13038' (343' drilled @ 228.7 fph). WOB = 43 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 900 psi, RPM = 80, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 240.			

-- DRILL BITS -- (BHA #5 SUMMARY) <Drill String Name?>

Bit Run 5	Type PDC	Size (in) 7 7/8	Make Ulterra	Model SPL616	SN 66439	Bit TFA... 1.1700 0000	Depth In... 9,996.0	Depth O... 13,038.0	Drilled (ft) 3,042.0	Drill Tim... 19.00	Avg RO... 160.1	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)
315	Drill Pipe	S135	5	4.276	10,063.00	13,042.29	19.50	196,228.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/4	3.0	3.85	2,979.29	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	Agitator		6 1/2	3.25	21.44	2,975.44	101.00	2,165.4	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 1/4	3.0	3.90	2,954.00	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.10	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	102.50	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	30.93	98.50	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	30.86	67.57	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.68	36.71	146.49	539.1	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	7/8:L 5.6:S @.35		7	3.0	32.03	33.03	146.49	4,692.1	IF	Motor 2/ claw 350	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	
Gamma		44.57		Gordon Technologies	
Directional		54.84		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	5/25/2023	1.0	1.0		9.0	9.0	0.0	0.0
Blower Rental	5/25/2023	2.0	2.0		18.0	18.0	0.0	0.0
Cedar Fiber	5/25/2023	360.0	113.0		658.0	238.0	0.0	420.0
Cottonseed Hulls	5/25/2023		18.0		294.0	130.0	0.0	164.0
Forklift	5/25/2023				0.0	0.0	0.0	0.0
Pac LV	5/25/2023	40.0	8.0		120.0	40.0	0.0	80.0
Pallets	5/25/2023	12.0	12.0		32.0	27.0	5.0	0.0
Poly Gen	5/25/2023		20.0		172.0	84.0	0.0	88.0
Poly Tech	5/25/2023	50.0	6.0		102.0	27.0	0.0	75.0
Retention Bonus (Will)	5/25/2023	1.0	1.0		9.0	9.0	0.0	0.0
Shrink Wrap	5/25/2023	12.0	12.0		31.0	29.0	2.0	0.0
Soda Ash	5/25/2023	50.0	18.0		164.0	77.0	0.0	87.0
Sodium Sulfite	5/25/2023		10.0		122.0	51.0	0.0	71.0
Tiger Bullets	5/25/2023		15.0		195.0	15.0	0.0	180.0
Xanthan 25#	5/25/2023	88.0	19.0		176.0	37.0	0.0	139.0

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

Fluid Type	Fluid Sub Type	Source	Vol to Lease (bbl)	Vol from Lease (bbl)	Dest
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
5/26/2023	Fuel		Diesel Fuel - Rig	3,500.0	0.0		7,427.0	113.0	0.0	7,314.0	gal US	
5/26/2023	Fuel		Diesel	4,000.0	2,110.0		23,902.0	13,516.0	0.0	10,386.0	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)
12,508.00	91.53	347.34	9,633.67	2,651.31	2,602.03	-509.21	0.89	0.86	0.22
12,603.00	92.06	346.50	9,630.70	2,746.23	2,694.52	-530.70	1.05	0.56	-0.88

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Report Printed: 5/26/2023



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 13.0, DFS: 5.38

Report Start Date: 5/25/2023 06:00

Report End Date: 5/26/2023 06:00

Depth Progress: 3,042.0

API/UWI 42003487930000		Well Type Oil	Asset Permian	Sub Asset 1 Martin	Segment US Upstream	State/Province TX	County/Parish ANDREWS	Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 13,038.0	Total Depth (TVD) (ftKB) Original Hole - 9,635.0		Latitude (decimal) (°) 32.41915950	Longitude (decimal) (°) -102.29776780	Spud Date 4/25/2023	Final Rig Release Date

-- REMARKS --

Remarks

Well Control

*Last BOP Drill: 5/19/23

*Last Trip Drill: 5/19/23

*Annular Element: 2/14/23

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

*Intermediate Casing Tested to 1500 psi on: 5/23/23

*Last BHA Inspection: 4/19/23

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

*Last BOP Test: 5/20/23

*Next BOP Test: 6/10/23

*Saver sub changed: 5/19/23

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

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

*12 Jts 5" Delta 527 HWD (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

H&P Labor - Days: 6 Hands - Nights: 5 Hands

H&P 553 equipment issues:

•Agitator blades need changing out. On location

•Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole.

•Catwalk has oil leaks every time move/skid rig.

•Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 14.0, DFS: 6.38
Report Start Date: 5/26/2023 06:00
Report End Date: 5/27/2023 06:00
Depth Progress: 1,802.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (F... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 14,840.0		Total Depth (TVD) (ftKB) Original Hole - 9,657.0		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$489,052

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 13,038.0	Start Depth (TVD) (ftKB) 9,634.8	Problem Time Hours (hr) 9.00	Percent Problem Time (%) 37.50	Daily Mud Field Est (Cost) \$39,345	Daily Field Est Total (Cost) \$125,800
End Depth (ftKB) 14,840.0	End Depth (TVD) (ftKB) 9,657.0	Cum Problem Time Days (days) 0.750	Cum Percent Problem Time (%) 6.21	Cum Mud Field Est (Cost) \$113,129	Cum Field Est To Date (Cost) \$2,309,134
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Partly Cloudy	Temperature (°F) 81.0	Road Condition Good
24 Hr Summary Drilled from 13038' to 14840' (1802' drilled in 14.5 hrs @ avg ROP of 124.3 fph). Rotate 1595' in 10 hrs @ 159.5 fph. Slide 207' in 4.5 hrs @ 46 fph. Lateral drilled past 80 deg = 4997'. Lateral remaining = 5191'. Last survey @14690' Inc. 91.86, Azm 347.74' Above 9.4' Left 7.3'. TOOH F/14840' due to psi increase. Bit graded 0/1, could hear noise in motor while attempting to drain, possible broke shaft. C/O bit & motor, agitator.					
AM Ops Changing out BHA			Ops Forecast TIH & 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)	
50.00		50.00						
-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
5/26/2023 20:00	Water based	Active	11,612.0	9.00	36	5.0	12.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
5.000	6.000	6.000	14.0	1	8.2	9.0	8.3	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
90.0	1.0					17,000.000	5	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			5/26/2023 21:00		14,840.0	14,840.0	TOOH C/O BHA due to psi increase/ motor failure	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	07:00	1.00	1.00	Drill - Rotat e	13,038.0	13,238.0	Rotate from 13038' to 13238' (200' drilled @ 200 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 1000 psi, RPM = 80, Torque = 23 kft-lbs, MM RPM = 160, Total bit RPM = 240.						
Drlg Prod	Drill Hz	07:00	08:00	1.00	2.00	Drill - Slide	13,238.0	13,272.0	Slide from 13238' to 13272' (34' drilled @ 34 fph). WOB = 55 klbs, Q = 500 gpm, SPP = 2300 psi, Diff = 300 psi, MM RPM = 160, TFO = 110R.						
Drlg Prod	Drill Hz	08:00	09:30	1.50	3.50	Drill - Rotat e	13,272.0	13,524.0	Rotate from 13272' to 13524' (252' drilled @ 168 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 1100 psi, RPM = 80, Torque = 24 kft-lbs, MM RPM = 160, Total bit RPM = 240.						
Drlg Prod	Drill Hz	09:30	10:30	1.00	4.50	Drill - Slide	13,524.0	13,554.0	Slide from 13524' to 13554' (30' drilled @ 30 fph). WOB = 65 klbs, Q = 500 gpm, SPP = 2150 psi, Diff = 150 psi, MM RPM = 160, TFO = 90R.						
Drlg Prod	Drill Hz	10:30	12:30	2.00	6.50	Drill - Rotat e	13,554.0	13,999.0	Rotate from 13554' to 13999' (445' drilled @ 222.5 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 1100 psi, RPM = 85, Torque = 26 kft-lbs, MM RPM = 160, Total bit RPM = 245.						
Drlg Prod	Drill Hz	12:30	13:30	1.00	7.50	Drill - Slide	13,999.0	14,107.0	Slide from 13999' to 14107' (108' drilled @ 108 fph). WOB = 65 klbs, Q = 500 gpm, SPP = 2300 psi, Diff = 220 psi, MM RPM = 160, TFO = 160R.						
Drlg Prod	Drill Hz	13:30	15:30	2.00	9.50	Drill - Rotat e	14,107.0	14,379.0	Rotate from 14107' to 14379' (272' drilled @ 136 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 1000 psi, RPM = 60, Torque = 26 kft-lbs, MM RPM = 160, Total bit RPM = 220.						
Drlg Prod	Drill Hz	15:30	16:30	1.00	10.50	Drill - Slide	14,379.0	14,394.0	Slide from 14379' to 14394' (15' drilled @ 15 fph). WOB = 60 klbs, Q = 500 gpm, SPP = 2350 psi, Diff = 250 psi, MM RPM = 160, TFO = 60R.						
Drlg Prod	Drill Hz	16:30	17:00	0.50	11.00	Drill - Rotat e	14,394.0	14,558.0	Rotate from 14394' to 14558' (164' drilled @ 328 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 1000 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 160, Total bit RPM = 240.						
Drlg Prod	Drill Hz	17:00	17:30	0.50	11.50	Rig Servi ce	14,558.0	14,558.0	Rig Service						
Drlg Prod	Drill Hz	17:30	18:00	0.50	12.00	Drill - Slide	14,558.0	14,578.0	Slide from 14558' to 14578' (20' drilled @ 40 fph). WOB = 60 klbs, Q = 500 gpm, SPP = 2350 psi, Diff = 250 psi, MM RPM = 160, TFO = 30R.						
Drlg Prod	Drill Hz	18:00	21:00	3.00	15.00	Drill - Rotat e	14,578.0	14,840.0	Rotate from 14578' to 14840' (262' drilled @ 87.3 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 1000 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 160, Total bit RPM = 240.						
Drlg Prod	Cond Trip	21:00	04:30	7.50	22.50	Trip	14,840.0	14,840.0	TOOH F/14840' T/BHA due to pressure increase.						5
Drlg Prod	Cond Trip	04:30	06:00	1.50	24.00	Handl e Tools	14,840.0	14,840.0	C/O motor & bit. Bit graded 0/1, could hear noise in motor while attempting to drain, possible broke shaft.						5

-- DRILL BITS -- (BHA #5 SUMMARY) Lateral															
Bit Run 5	Type PDC	Size (in) 7 7/8	Make Ulterra	Model SPL616			SN 66439	Bit TFA... 1.1700 0000	Depth In... 9,996.0	Depth O... 14,840. 0	Drilled (ft) 4,844.0	Drill Tim... 33.50	Avg RO... 144.6	IADC Bit Dull Out 0-1-NO-A-X-0-NO-BHA	
-- BHA --															
Jts	Item Des		Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections		Gauge (in)	Drift (in)
375	Drill Pipe		S135	5	4.276	11,861.00	14,840.29	19.50	231,289.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	XO Sub			6 1/4	3.0	3.85	2,979.29	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	Agitator			6 1/2	3.25	21.44	2,975.44	101.00	2,165.4	IF	Agitator	4 1/2 IF x 4 1/2 IF			



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 14.0, DFS: 6.38
Report Start Date: 5/26/2023 06:00
Report End Date: 5/27/2023 06:00
Depth Progress: 1,802.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 14,840.0		Total Depth (TVD) (ftKB) Original Hole - 9,657.0		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
1	XO Sub		6 1/4	3.0	3.90	2,954.00	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.10	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	102.50	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	30.93	98.50	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	30.86	67.57	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	3.68	36.71	146.49	539.1	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	7/8:L 5.6:S @.35		7	3.0	32.03	33.03	146.49	4,692.1	IF	Motor 2/ claw 350	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type				Sensor-Bit (ft)				Note			
Gamma								44.57 Gordon Technologies			
Directional								54.84 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	5/26/2023	1.0	1.0		10.0	10.0	0.0	0.0
Aluminum Stearate	5/26/2023		2.0		29.0	2.0	0.0	27.0
Blower Rental	5/26/2023	2.0	2.0		20.0	20.0	0.0	0.0
Cedar Fiber	5/26/2023		105.0		658.0	343.0	0.0	315.0
Clean Lube	5/26/2023		530.0		1,060.0	530.0	0.0	530.0
Cottonseed Hulls	5/26/2023		44.0		294.0	174.0	0.0	120.0
Diaseal M	5/26/2023		10.0		25.0	0.0	35.0	-10.0
Freight	5/26/2023	1,431.74	1,431.74		15,555.81	15,555.81	0.0	0.0
GenShield	5/26/2023		50.0		165.0	50.0	0.0	115.0
MEA	5/26/2023		30.0		90.0	30.0	0.0	60.0
Myacide GA 25	5/26/2023		4.0		25.0	4.0	0.0	21.0
Poly Gen	5/26/2023		24.0		172.0	108.0	0.0	64.0
Poly Tech	5/26/2023		15.0		102.0	42.0	0.0	60.0
Retention Bonus (Chris)	5/26/2023	1.0	1.0		1.0	1.0	0.0	0.0
Soda Ash	5/26/2023		30.0		164.0	107.0	0.0	57.0
Sodium Sulfite	5/26/2023		13.0		122.0	64.0	0.0	58.0
Tiger Bullets	5/26/2023		50.0		195.0	65.0	0.0	130.0
Xanthan 25#	5/26/2023		59.0		176.0	96.0	0.0	80.0

-- 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
5/27/2023	Fuel		Diesel Fuel - Rig		819.0		7,427.0	932.0	0.0	6,495.0	gal US	
5/27/2023	Fuel		Diesel		1,314.0		23,902.0	14,830.0	0.0	9,072.0	gal US	

-- LOST CIRCULATION --

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

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
14,405.00	88.47	348.81	9,660.90	4,546.80	4,450.00	-933.21	2.00	0.91	1.78
14,500.00	88.03	348.30	9,663.80	4,641.75	4,543.07	-952.06	0.71	-0.46	-0.54
14,595.00	91.25	348.67	9,664.40	4,736.74	4,636.14	-971.02	3.41	3.39	0.39
14,690.00	91.86	347.74	9,661.82	4,831.70	4,729.10	-990.43	1.17	0.64	-0.98
14,840.00	91.86	347.74	9,656.95	4,981.62	4,875.60	-1,022.26	0.00	0.00	0.00

-- FORMATION TOPS --

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

-- WELLBORE SECTIONS --

Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Section Spud Date	Section TD Date
Conductor	30	30.0	70.0	4/12/2023	4/12/2023
Surface	16	70.0	1,877.0	4/25/2023	4/26/2023
Intermediate	11	1,877.0	7,215.0	5/21/2023	
Production	7 7/8	7,215.0	14,840.0	5/23/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	5/22/2023 18:30	7,200.0	8 5/8	32.00	HC L-80	

-- 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 37D 5HF

Report #: 14.0, DFS: 6.38
Report Start Date: 5/26/2023 06:00
Report End Date: 5/27/2023 06:00
Depth Progress: 1,802.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 14,840.0		Total Depth (TVD) (ftKB) Original Hole - 9,657.0			Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- 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		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				
5/26/2023 06:00		Safety Meeting/JSA			Day		Pre-Tour			Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.				
5/26/2023 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		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5
2		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5
3		5/16/2023				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)

-- 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	

-- REMARKS --														
Remarks Well Control *Last BOP Drill: 5/19/23 *Last Trip Drill: 5/19/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole. •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.														



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 15.0, DFS: 7.38
Report Start Date: 5/27/2023 06:00
Report End Date: 5/28/2023 06:00
Depth Progress: 187.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 15,027.0	Total Depth (TVD) (ftKB) Original Hole - 9,653.8			Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750,000			Max Torque (ft*lb) 52,000		
AFE Number 23213330D			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) \$532,305		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 14,840.0	Start Depth (TVD) (ftKB) 9,655.9	Problem Time Hours (hr) 20.00	Percent Problem Time (%) 83.33	Daily Mud Field Est (Cost) \$7,673	Daily Field Est Total (Cost) \$96,500
End Depth (ftKB) 15,027.0	End Depth (TVD) (ftKB) 9,653.8	Cum Problem Time Days (days) 1.583	Cum Percent Problem Time (%) 12.10	Cum Mud Field Est (Cost) \$120,802	Cum Field Est To Date (Cost) \$2,462,617
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Partly Cloudy	Temperature (°F) 78.0	Road Condition Good
24 Hr Summary P/U directional tools, TIH F/BHA T/7138' Slip & cut drill line.TIH F/7138' T/9600' Wash & ream F/9600' T/10200'. TIH F/10200' T/14652'Wash F/14652' T/14840. Drilled from 14840' to 15027' (187' drilled in 4 hrs @ avg ROP of 46.8 fph). Rotate 150' in 2.5 hrs @ 60 fph. Slide 37' in 1.5 hrs @ 24.7 fph. Lateral drilled past 80 deg = 5184'. Lateral remaining = 5004'.Last survey @14878' Inc. 90.57, Azm 348.89, Above 20.8', Left 5.5' Circ clean up cycle & TOO H T/BHA due to low ROP. C/O bit & motor, Motor drained & no visable damage, bit graded 2/8 shoulder with broke blades. TIH F/BHA T/3000'					
AM Ops TIH @3000'			Ops Forecast TIH & 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)					
51.00			51.00											

-- MUD CHECKS --														
Date	Type	Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)
5/27/2023 20:00	Water based	Active		14,953.0		9.00		36		6.0		12.000		
Gel (10s) (lbf/100ft²)	Gel (10m) (lbf/100ft²)	Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)
5.000	6.000	6.000		12.0		1		8.2		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)
92.0	3.0									15,000.000		7		0.0

-- INTERVAL PROBLEMS (NPT) --														
Problem Type Mud Motor	Problem Subtype		Dur (Net) (hr) 20.50	Start Date 5/26/2023 21:00		End Date 5/27/2023 17:30		Start Depth (... 14,840.0	End Depth (f... 14,840.0	Description TOOH C/O BHA due to psi increase/ motor failure				Ref # 5
Problem Type Bit	Problem Subtype		Dur (Net) (hr)	Start Date 5/27/2023 21:30		End Date		Start Depth (... 15,027.0	End Depth (f... 	Description TOOH due to low ROP, Bit				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	07:00	1.00	1.00	Handle Tools	14,840.0	14,840.0	P/U directional tools.	5
Drlg Prod	Cond Trip	07:00	11:00	4.00	5.00	Trip	14,840.0	14,840.0	TIH F/BHA T/7138'	5
Drlg Prod	Cond Trip	11:00	12:00	1.00	6.00	Other	14,840.0	14,840.0	Slip & cut drill line.	5
Drlg Prod	Cond Trip	12:00	13:30	1.50	7.50	Trip	14,840.0	14,840.0	TIH F/7138' T/9600'	5
Drlg Prod	Cond Trip	13:30	14:30	1.00	8.50	Ream & Wash	14,840.0	14,840.0	Wash & ream F/9600' T/10200'	5
Drlg Prod	Cond Trip	14:30	17:00	2.50	11.00	Trip	14,840.0	14,840.0	TIH F/10200' T/14652'	5
Drlg Prod	Cond Trip	17:00	17:30	0.50	11.50	Ream & Wash	14,840.0	14,840.0	Wash F/14652' T/14840	5
Drlg Prod	Drill Hz	17:30	19:00	1.50	13.00	Drill - Slide	14,840.0	14,877.0	Slide from 14840' to 14877' (37' drilled @ 24.7 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2350 psi, Diff = 250 psi, MM RPM = 160, TFO = 160R.	
Drlg Prod	Drill Hz	19:00	21:30	2.50	15.50	Drill - Rotate	14,877.0	15,027.0	Rotate from 14877' to 15027' (150' drilled @ 60 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 2900 psi, Diff = 900 psi, RPM = 80, Torque = 26 kft-lbs, MM RPM = 160, Total bit RPM = 240.	
Drlg Prod	Cond Trip	21:30	22:30	1.00	16.50	Circ & Cond Mud	15,027.0	15,027.0	Circulate sweep around. Circ clean up cycle.Due to ROP	6
Drlg Prod	Cond Trip	22:30	03:00	4.50	21.00	Trip	15,027.0	15,027.0	TOOH F/15027' T/BHA	6
Drlg Prod	Cond Trip	03:00	05:00	2.00	23.00	Handle Tools	15,027.0	15,027.0	C/O motor & bit, Motor drained & no visible damage, bit graded 2/8 shoulder with broke blades	6
Drlg Prod	Cond Trip	05:00	06:00	1.00	24.00	Trip	15,027.0	15,027.0	TIH F/BHA T/3000'	6

-- DRILL BITS -- (BHA #6 SUMMARY) Lateral														
Bit Run 6	Type PDC	Size (in) 7 7/8	Make Ulterra		Model SPL616		SN 65702	Bit TFA... 1.1700 0000	Depth In... 14,840. 0	Depth O... 15,027. 0	Drilled (ft) 187.0	Drill Tim... 4.00	Avg RO... 46.7	IADC Bit Dull Out 2-8-BF-S-X-0-CT-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)	
378	Drill Pipe	S135	5	4.276	12,047.00	15,027.41	19.50	234,916.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	XO Sub		6 1/4	3.0	3.85	2,980.41	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	Agitator		6 1/2	3.25	21.44	2,976.56	101.00	2,165.4	IF	Agitator	4 1/2 IF x 4 1/2 IF			
1	XO Sub		6 1/4	3.0	3.90	2,955.12	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527			
90	Drill Pipe	S135	5	4.276	2,847.60	2,951.22	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	103.62	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	NMDC		6 3/4	3.25	30.93	99.62	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 11/16	3.25	30.86	68.69	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 15.0, DFS: 7.38

Report Start Date: 5/27/2023 06:00

Report End Date: 5/28/2023 06:00

Depth Progress: 187.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,027.0		Total Depth (TVD) (ftKB) Original Hole - 9,653.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- BHA --

Jts	Item Des	Grade	OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Mass/Len (lb/ft)	Wt (lbf)	Top Thread	Icon	Connections	Gauge (in)	Drift (in)
1	UBHO		6 1/2	3.25	3.68	37.83	146.49	539.1	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/ claw 350	4 1/2 IF x 4 1/2 Reg		

-- DOWNHOLE SENSORS --

Sensor Type		Sensor-Bit (ft)		Note	
Gamma		45.69		Gordon Technologies	
Directional		55.96		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	5/27/2023	1.0	1.0		11.0	11.0	0.0	0.0
Blower Rental	5/27/2023	2.0	2.0		22.0	22.0	0.0	0.0
Cottonseed Hulls	5/27/2023		3.0		294.0	177.0	0.0	117.0
Diaseal M	5/27/2023		5.0		25.0	5.0	35.0	-15.0
GenWet	5/27/2023		50.0		445.0	50.0	0.0	395.0
Poly Gen	5/27/2023		9.0		172.0	117.0	0.0	55.0
Poly Tech	5/27/2023		3.0		102.0	45.0	0.0	57.0
Retention Bonus (Chris)	5/27/2023	1.0	1.0		2.0	2.0	0.0	0.0
Soda Ash	5/27/2023		11.0		164.0	118.0	0.0	46.0
Sodium Sulfite	5/27/2023		3.0		122.0	67.0	0.0	55.0
Xanthan 25#	5/27/2023		14.0		176.0	110.0	0.0	66.0

-- 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
5/28/2023	Fuel		Diesel Fuel - Rig	4,000.0	1,044.0		11,427.0	1,976.0	0.0	9,451.0	gal US	

-- LOST CIRCULATION --

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

-- SURVEY DATA --

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)
14,595.00	91.25	348.67	9,664.40	4,736.74	4,636.14	-971.02	3.41	3.39	0.39
14,690.00	91.86	347.74	9,661.82	4,831.70	4,729.10	-990.43	1.17	0.64	-0.98
14,784.00	92.79	347.85	9,658.01	4,925.62	4,820.90	-1,010.28	1.00	0.99	0.12
14,878.00	90.57	348.89	9,655.25	5,019.57	4,912.92	-1,029.22	2.61	-2.36	1.11
15,027.00	90.57	348.49	9,653.77	5,168.56	5,059.02	-1,058.44	0.27	0.00	-0.27

-- 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	4/25/2023	4/26/2023
Intermediate	11	1,877.0	7,215.0	5/21/2023	
Production	7 7/8	7,215.0	15,027.0	5/23/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	5/22/2023 18:30	7,200.0	8 5/8	32.00	HC L-80	

-- 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 37D 5HF

Report #: 16.0, DFS: 8.38
Report Start Date: 5/28/2023 06:00
Report End Date: 5/29/2023 06:00
Depth Progress: 5.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363													
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,032.0		Total Depth (TVD) (ftKB) Original Hole - 9,653.7		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date											
-- RIG --																											
Contractor H&P				Rig Number 553				Rig Type Triple - Diesel				Max Hook Load (1000lbf) 750,000				Max Torque (ft*lb) 52,000											
AFE Number 23213330D				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) \$532,305											
-- OPERATIONS SUMMARY --																											
Start Depth (ftKB) 15,027.0		Start Depth (TVD) (ftKB) 9,653.8		Problem Time Hours (hr) 23.50		Percent Problem Time (%) 97.92		Daily Mud Field Est (Cost) \$7,042		Daily Field Est Total (Cost) \$83,800																	
End Depth (ftKB) 15,032.0		End Depth (TVD) (ftKB) 9,653.7		Cum Problem Time Days (days) 2.563		Cum Percent Problem Time (%) 18.20		Cum Mud Field Est (Cost) \$127,844		Cum Field Est To Date (Cost) \$2,558,917																	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Partly Cloudy		Temperature (°F) 84.0		Road Condition Good																	
24 Hr Summary TIH F/3000' T/9700'.Wash & ream F/9700' T/10000'.TIH F/10000' T/15027'.Drilled from 15027' to 15032' (5' drilled in 0.5 hrs @ avg ROP of 10 fph). Rotate 5' in 0.5 hrs @ 10 fph. Lateral drilled past 80 deg = 5189'. Lateral remaining = 4999'. Last survey @14973', Inc. 90.97, Azm 348.76, Above 24.5', Left 3.4'Circ 40bbl sweep around. TOOH F/15032' T/BHA due to ROP. L/D directional. Bit graded 7/8 junk damage. M/U Mill & junk basket TIH T/11500' washed through spots @8870' & 9900'																											
AM Ops TIH w/mill @11500'								Ops Forecast TIH & mill, TOOH & P/U directional assembly.																			
-- RIG SAFETY PERFORMANCE --																											
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)															
52.00				52.00																							
-- MUD CHECKS --																											
Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)											
5/28/2023 20:00		Water based		Active		15,032.0		9.00		36		6.0		12.000													
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)											
5.000		6.000		6.000		12.2		1		8.6		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)											
92.0		3.0										15,000.000		7		0.0											
-- INTERVAL PROBLEMS (NPT) --																											
Problem Type Bit		Problem Subtype		Dur (Net) (hr) 16.00		Start Date 5/27/2023 21:30		End Date 5/28/2023 13:30		Start Depth (... 15,027.0		End Depth (f... 15,027.0		Description TOOH due to low ROP, Bit			Ref # 6										
Problem Type Bit		Problem Subtype		Dur (Net) (hr)		Start Date 5/28/2023 14:00		End Date		Start Depth (... 15,032.0		End Depth (f... 		Description TOOH due to low ROP, Bit			Ref # 7										
-- TIMELOG --																											
Phase		Task		Start Time		End Time		Dur (hr)		Cum Dur (hr)		Activity		Start Depth (ftKB)		End Depth (ftKB)		Com		Prob Ref #							
Drlg Prod		Cond Trip		06:00		09:30		3.50		3.50		Trip		15,027.0		15,027.0		TIH F/3000' T/9700'		6							
Drlg Prod		Cond Trip		09:30		10:30		1.00		4.50		Ream & Wash		15,027.0		15,027.0		Wash & ream F/9700' T/10000'		6							
Drlg Prod		Cond Trip		10:30		13:30		3.00		7.50		Trip		15,027.0		15,027.0		TIH F/10000' T/15027'		6							
Drlg Prod		Drill Hz		13:30		14:00		0.50		8.00		Drill - Rotat e		15,027.0		15,032.0		Rotate from 15027' to 15032' (5' drilled @ 10 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 2400 psi, Diff = 200 psi, RPM = 80, Torque = 29 kft -lbs, MM RPM = 150, Total bit RPM = 230.									
Drlg Prod		Cond Trip		14:00		15:30		1.50		9.50		Circ & Cond Mud		15,032.0		15,032.0		Circ 40bbl sweep around.		7							
Drlg Prod		Cond Trip		15:30		20:30		5.00		14.50		Trip		15,032.0		15,032.0		TOOH F/15032' T/BHA due to ROP		7							
Drlg Prod		Cond Trip		20:30		22:00		1.50		16.00		Handl e Tools		15,032.0		15,032.0		L/D directional BHA		7							
Drlg Prod		Cond Trip		22:00		23:00		1.00		17.00		Handl e Tools		15,032.0		15,032.0		M/U bit sub, junk basket		7							
Drlg Prod		Cond Trip		23:00		23:30		0.50		17.50		Rig Servi ce		15,032.0		15,032.0		C/O dovetail on ST-80		7							
Drlg Prod		Cond Trip		23:30		00:00		0.50		18.00		Other		15,032.0		15,032.0		Clean rig floor,		7							
Drlg Prod		Cond Trip		00:00		04:00		4.00		22.00		Trip		15,032.0		15,032.0		M/U Mill & TIH F/BHA T/8870'		7							
Drlg Prod		Cond Trip		04:00		04:30		0.50		22.50		Ream & Wash		15,032.0		15,032.0		Wash through spot @8870 T/8920		7							
Drlg Prod		Cond Trip		04:30		06:00		1.50		24.00		Trip		15,032.0		15,032.0		TIH F/8920' T/11500' washed through spot @9900'		7							
-- DRILL BITS -- (BHA #7 SUMMARY) Lateral																											
Bit Run 7		Type PDC		Size (in) 7 7/8		Make Ulterra		Model SPL616		SN 67622		Bit TFA... 1.1700 0000		Depth In... 15,027. 0		Depth O... 15,032. 0		Drilled (ft) 5.0		Drill Tim... 0.50		Avg RO... 10.0		IADC Bit Dull Out 8-8-JD-A-X-0-JD-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)	
378		Drill Pipe		S135		5		4.276		12,052.00		15,032.41		19.50		235,014.0		Delta 527		Drill Pipe		4 1/2 Delta 527 x 4 1/2 Delta 527					
1		XO Sub				6 1/4		3.0		3.85		2,980.41		49.00		188.7		Delta 527		XO		4 1/2 Delta 527 x 4 1/2 IF					
1		Agitator				6 1/2		3.25		21.44		2,976.56		101.00		2,165.4		IF		Agitator		4 1/2 IF x 4 1/2 IF					
1		XO Sub				6 1/4		3.0		3.90		2,955.12		49.00		191.1		IF		XO		4 1/2 IF x 4 1/2 Delta 527					
90		Drill Pipe		S135		5		4.276		2,847.60		2,951.22		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		103.62		49.00		196.0		Delta 527		XO		4 1/2 Delta 527 x 4 1/2 IF					
1		NMDC				6 3/4		3.25		30.93		99.62		146.49		4,530.9		IF		Drill collar - non mag		4 1/2 IF x 4 1/2 IF					
1		NMDC				6 11/16		3.25		30.86		68.69		146.49		4,520.7		IF		Drill collar - non mag		4 1/2 IF x 4 1/2 IF					
1		UBHO				6 1/2		3.25		3.68		37.83		146.49		539.1		IF		MWD		4 1/2 IF x 4 1/2 IF					



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 16.0, DFS: 8.38
Report Start Date: 5/28/2023 06:00
Report End Date: 5/29/2023 06:00
Depth Progress: 5.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E...) 20202300027363													
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,032.0		Total Depth (TVD) (ftKB) Original Hole - 9,653.7		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date											
-- 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)	
1		6/7:L 8.4:S @ 0.30				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												45.69						Gordon Technologies									
Directional												55.96						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				5/28/2023				1.0		1.0				12.0		12.0		0.0		0.0							
Barite (Bulk)				5/28/2023						15.0				47.7		23.7		0.0		24.0							
Blower Rental				5/28/2023				2.0		2.0				24.0		24.0		0.0		0.0							
Cedar Fiber				5/28/2023						6.0				658.0		349.0		0.0		309.0							
GenWet				5/28/2023						20.0				445.0		70.0		0.0		375.0							
Poly Gen				5/28/2023						1.0				172.0		118.0		0.0		54.0							
Poly Tech				5/28/2023						1.0				102.0		46.0		0.0		56.0							
Retention Bonus (Chris)				5/28/2023				1.0		1.0				3.0		3.0		0.0		0.0							
Soda Ash				5/28/2023						16.0				164.0		134.0		0.0		30.0							
Sodium Sulfite				5/28/2023						1.0				122.0		68.0		0.0		54.0							
Xanthan 25#				5/28/2023						4.0				176.0		114.0		0.0		62.0							
-- 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			
5/29/2023		Fuel				Diesel Fuel - Rig				0.0				11,427.0		1,976.0		0.0		9,451.0		gal US					
5/29/2023		Fuel				Diesel				1,070.0				27,102.0		16,716.0		0.0		10,386.0		gal US					
-- LOST CIRCULATION --																											
Start Date		End Date		Ops In Prog				Top (ftKB)		Btm (ftKB)		Q Lost (bbl/hr)		Vol Lost Tot (bbl)		Com											
-- SURVEY DATA --																											
MD (ftKB)		Incl (°)		Azm (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		Build (°/100ft)		Turn (°/100ft)									
14,595.00		91.25		348.67		9,664.40		4,736.74		4,636.14		-971.02		3.41		3.39		0.39									
14,690.00		91.86		347.74		9,661.82		4,831.70		4,729.10		-990.43		1.17		0.64		-0.98									
14,784.00		92.79		347.85		9,658.01		4,925.62		4,820.90		-1,010.28		1.00		0.99		0.12									
14,878.00		90.57		348.89		9,655.25		5,019.57		4,912.92		-1,029.22		2.61		-2.36		1.11									
15,032.00		90.57		348.49		9,653.72		5,173.56		5,063.92		-1,059.42		0.26		0.00		-0.26									
-- 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		4/25/2023				4/26/2023											
Intermediate						11		1,877.0		7,215.0		5/21/2023															
Production						7 7/8		7,215.0		15,032.0		5/23/2023															
-- LAST CASING RUN --																											
Csg Des		Run Date				Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade		Top Thread											
Intermediate 1		5/22/2023 18:30				7,200.0				8 5/8		32.00		HC L-80													
-- 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													
Ovintiv Confidential																											
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Report Printed: 5/29/2023																											



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 17.0, DFS: 9.38
Report Start Date: 5/29/2023 06:00
Report End Date: 5/30/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,378.0		Total Depth (TVD) (ftKB) Original Hole - 9,656.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750,000		Max Torque (ft*lb) 52,000	
AFE Number 23213330D		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) \$532,305	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 15,032.0		Start Depth (TVD) (ftKB) 9,653.4		Problem Time Hours (hr) 21.00		Percent Problem Time (%) 87.50		Daily Mud Field Est (Cost) \$8,399		Daily Field Est Total (Cost) \$97,500	
End Depth (ftKB) 15,378.0		End Depth (TVD) (ftKB) 9,656.8		Cum Problem Time Days (days) 3.438		Cum Percent Problem Time (%) 22.79		Cum Mud Field Est (Cost) \$136,243		Cum Field Est To Date (Cost) \$2,656,417	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Sunny		Temperature (°F) 89.0		Road Condition Good	

24 Hr Summary
TIH F/11500' T/15032'. Mill F/15032' T/15034'Circ 40bbl high visc sweep around.TOOH & L/D Mill assembly- few small shavings in junk basket no large pieces, P/U directional tools. TIH F/BHA T/8630' Wash F/8630' T/9046'.TIH F/9046' T/15034' Washed through spot @9900' Fan btm@15034' stage up wt & ROP. Drilled from 15032' to 15378' (346' drilled in 3 hrs @ avg ROP of 115.3 fph). Rotate 306' in 2 hrs @ 153 fph. Slide 40' in 1 hrs @ 40 fph. Lateral drilled past 80 deg = 5535'. Lateral remaining = 4653'. Last survey @15163' Inc. 89.31, Azm. 347.06, Above 29.2' Left 2.4'
AM Ops
Drilling 7-7/8" lateral @15378'
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)	
53.00		53.00					

-- MUD CHECKS --

Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lb/100ft²)		T Flowline (°F)	
5/29/2023 20:00		Water based		Active		15,032.0		9.00		35		7.0		11.000			
Gel (10s) (lb/100ft²)		Gel (10m) (lb/100ft²)		Gel (30m) (lb/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
5.000		5.000		6.000		16.0		1		8.2		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)	
92.0		3.0										14,500.000		5		0.0	

-- INTERVAL PROBLEMS (NPT) --

Problem Type Bit		Problem Subtype		Dur (Net) (hr) 37.00		Start Date 5/28/2023 14:00		End Date 5/30/2023 03:00		Start Depth (... 15,032.0		End Depth (f... 15,034.0		Description TOOH due to low ROP, Bit / Mill run		Ref # 7	
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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	07:30	1.50	1.50	Trip	15,032.0	15,032.0	TIH F/11500' T/15032'		7
Drlg Prod	Cond Trip	07:30	10:00	2.50	4.00	Millin g	15,032.0	15,034.0	Mill F/15032' T/15034'		7
Drlg Prod	Cond Trip	10:00	12:00	2.00	6.00	Circ & Cond Mud	15,034.0	15,034.0	Circ 40bbl high visc sweep around.		7
Drlg Prod	Cond Trip	12:00	17:00	5.00	11.00	Trip	15,034.0	15,034.0	TOOH F/15034' T/BHA		7
Drlg Prod	Cond Trip	17:00	19:00	2.00	13.00	Handle Tools	15,034.0	15,034.0	TOOH & L/D Mill assembly,few small shavings in junk basket no large pieces . P/U directional tools		7
Drlg Prod	Cond Trip	19:00	21:30	2.50	15.50	Trip	15,034.0	15,034.0	TIH F/BHA T/7100'		7
Drlg Prod	Cond Trip	21:30	22:30	1.00	16.50	Other	15,034.0	15,034.0	Slip & cut drill line.		7
Drlg Prod	Cond Trip	22:30	23:00	0.50	17.00	Rig Service	15,034.0	15,034.0	Rig service		7
Drlg Prod	Cond Trip	23:00	23:30	0.50	17.50	Trip	15,034.0	15,034.0	TIH F/7100' T/8630'		7
Drlg Prod	Cond Trip	23:30	00:00	0.50	18.00	Ream & Wash	15,034.0	15,034.0	Wash F/8630' T/9046'		7
Drlg Prod	Cond Trip	00:00	02:30	2.50	20.50	Trip	15,034.0	15,034.0	TIH F/9046' T/15034' Washed through spot @9900'		7
Drlg Prod	Cond Trip	02:30	03:00	0.50	21.00	Circ & Cond Mud	15,034.0	15,034.0	Tag up @15034', P/U & circulate, fan btm. Pumped 20bbl high visc sweep.		7
Drlg Prod	Drill Hz	03:00	03:30	0.50	21.50	Drill - Rotate	15,034.0	15,055.0	Rotate from 15034' to 15055' (21' drilled @ 42 fph). WOB = 20 klbs, Q = 600 gpm, SPP = 3350 psi, Diff = 550 psi, RPM = 55, Torque = 19 kft-lbs, MM RPM = 180, Total bit RPM = 235.		
Drlg Prod	Drill Hz	03:30	04:00	0.50	22.00	Drill - Slide	15,055.0	15,080.0	Slide from 15055' to 15080' (25' drilled @ 50 fph). WOB = 50 klbs, Q = 550 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 165, TFO = 160L.		
Drlg Prod	Drill Hz	04:00	05:00	1.00	23.00	Drill - Rotate	15,080.0	15,230.0	Rotate from 15080' to 15230' (150' drilled @ 150 fph). WOB = 25 klbs, Q = 550 gpm, SPP = 3400 psi, Diff = 900 psi, RPM = 85, Torque = 27 kft-lbs, MM RPM = 165, Total bit RPM = 250.		
Drlg Prod	Drill Hz	05:00	05:30	0.50	23.50	Drill - Slide	15,230.0	15,245.0	Slide from 15230' to 15245' (15' drilled @ 30 fph). WOB = 50 klbs, Q = 550 gpm, SPP = 2800 psi, Diff = 250 psi, MM RPM = 165, TFO = 160R.		
Drlg Prod	Drill Hz	05:30	06:00	0.50	24.00	Drill - Rotate	15,245.0	15,378.0	Rotate from 15245' to 15378' (133' drilled @ 266 fph). WOB = 38 klbs, Q = 500 gpm, SPP = 3000 psi, Diff = 900 psi, RPM = 85, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 235.		

-- DRILL BITS -- (BHA #9 SUMMARY) Lateral

Bit Run 8		Type PDC		Size (in) 7 7/8		Make Ulterra		Model CF616		SN 86449		Bit TFA... 1.1800 0000		Depth In... 15,034. 0		Depth O... 15,034. 0		Drilled (ft) 344.0		Drill Tim... 3.00		Avg RO... 114.7		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)
378	Drill Pipe	S135	5	4.276	12,399.00	15,378.48	19.50	241,780.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/4	3.0	3.85	2,979.48	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	Agitator		6 1/2	3.25	21.42	2,975.63	101.00	2,163.4	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 1/4	3.0	3.90	2,954.21	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527		

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Report Printed: 5/30/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 17.0, DFS: 9.38
Report Start Date: 5/29/2023 06:00
Report End Date: 5/30/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 15,378.0		Total Depth (TVD) (ftKB) Original Hole - 9,656.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		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)	
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.31	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	102.71	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	NMDC		6 3/4	3.25	30.93	98.71	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC		6 11/16	3.25	30.86	67.78	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	UBHO		6 1/2	3.25	2.77	36.92	146.49	405.8	IF	MWD	4 1/2 IF x 4 1/2 IF			
1	6/7:L 8.4:S @ 0.30		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										44.91 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				

-- DRILL BITS -- (BHA #8 SUMMARY) Clean Out														
Bit Run	Type	Size (in)	Make	Model		SN	Bit TFA...	Depth In...	Depth O...	Drilled (ft)	Drill Tim...	Avg RO...	IADC Bit Dull Out	
										2.0	2.50			

-- 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)	
474	Drill Pipe	S135	5	4.276	15,025.00	15,034.00	19.50	292,987.5	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	Bit Sub w/Float		6 1/2	3.02	3.02	9.00	19.50	58.9	Delta 527	Float sub	4 1/2 Delta 527 x 4 1/2 IF			
1	Junk Sub		7 1/2	3.0	3.60	5.98	19.50	70.2	IF	Junk basket	4 1/2 IF x 4 1/2 IF			
1	Mill		6 1/4	3.0	2.38	2.38	19.50	46.4	IF	Mill	4 1/2 IF x 4 1/2 IF			

-- 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			5/29/2023			1.0	1.0		13.0	13.0	0.0	0.0		
Blower Rental			5/29/2023			2.0	2.0		26.0	26.0	0.0	0.0		
Clean Lube			5/29/2023				265.0		1,060.0	795.0	0.0	265.0		
Freight			5/29/2023			958.25	958.25		16,514.06	16,514.06	0.0	0.0		
Retention Bonus (Chris)			5/29/2023			1.0	1.0		4.0	4.0	0.0	0.0		
Soda Ash			5/29/2023				14.0		164.0	148.0	0.0	16.0		
Sodium Sulfite			5/29/2023				3.0		122.0	71.0	0.0	51.0		
Xanthan 25#			5/29/2023				4.0		176.0	118.0	0.0	58.0		

-- 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		
5/30/2023	Fuel		Diesel Fuel - Rig		194.0		11,427.0	2,170.0	0.0	9,257.0	gal US			
5/30/2023	Fuel		Diesel		933.0		27,102.0	17,649.0	0.0	9,453.0	gal US			

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

-- SURVEY DATA --														
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)					
14,878.00	90.57	348.89	9,655.25	5,019.57	4,912.92	-1,029.22	2.61	-2.36	1.11					
14,973.00	90.97	348.76	9,653.97	5,114.55	5,006.11	-1,047.63	0.44	0.42	-0.14					
15,068.00	89.71	347.63	9,653.41	5,209.55	5,099.10	-1,067.07	1.78	-1.33	-1.19					
15,163.00	89.31	347.06	9,654.22	5,304.54	5,191.79	-1,087.88	0.73	-0.42	-0.60					
15,378.00	89.31	347.06	9,656.81	5,519.48	5,401.31	-1,136.02	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	4/25/2023			4/26/2023				
Intermediate				11	1,877.0	7,215.0	5/21/2023							
Production				7 7/8	7,215.0	15,378.0	5/23/2023							

-- LAST CASING RUN --						
Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	5/22/2023 18:30	7,200.0	8 5/8	32.00	HC L-80	



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 17.0, DFS: 9.38
Report Start Date: 5/29/2023 06:00
Report End Date: 5/30/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 15,378.0		Total Depth (TVD) (ftKB) Original Hole - 9,656.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- 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
5/29/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
5/29/2023 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	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)

-- 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
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

-- REMARKS --

Remarks Well Control *Last BOP Drill: 5/19/23 *Last Trip Drill: 5/19/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole. •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.
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Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 18.0, DFS: 10.38
Report Start Date: 5/30/2023 06:00
Report End Date: 5/31/2023 06:00
Depth Progress: 2,659.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,037.0		Total Depth (TVD) (ftKB) Original Hole - 9,680.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --														
Contractor H&P			Rig Number 553			Rig Type Triple - Diesel			Max Hook Load (1000lbf) 750,000			Max Torque (ft*lb) 52,000		
AFE Number 23213330D			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) \$532,305		

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 15,378.0	Start Depth (TVD) (ftKB) 9,660.6	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$33,536	Daily Field Est Total (Cost) \$109,700
End Depth (ftKB) 18,037.0	End Depth (TVD) (ftKB) 9,680.9	Cum Problem Time Days (days) 3.438	Cum Percent Problem Time (%) 21.37	Cum Mud Field Est (Cost) \$169,779	Cum Field Est To Date (Cost) \$2,734,427
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Sunny	Temperature (°F) 92.0	Road Condition Good
24 Hr Summary Drilled from 15378' to 18037' (2659' drilled in 21.5 hrs @ avg ROP of 123.7 fph). Rotate 2451' in 13 hrs @ 188.5 fph. Slide 208' in 8.5 hrs @ 24.5 fph. Lateral drilled past 80 deg = 8194'. Lateral remaining = 1994'. Last survey @17915' Inc. 88.64, Azm. 346.33, Above 20.0' Right 18.4' Circ 30bbl high visc sweep around. Wash/ream F/18037' T/17500' coming out hole due to low ROP.					
AM Ops Wash/ream @17500', coming out hole due to ROP			Ops Forecast TOOH, C/O BHA, 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)	
54.00		54.00						
-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
5/30/2023 20:00	Water based	Active	17,195.0	9.00	36	6.0	12.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
5.000	6.000	6.000	16.8	1	8.75	4.0	3.8	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
93.0	3.0					10,000.000	5	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	15,378.0	15,553.0	Rotate from 15378' to 15553' (175' drilled @ 175 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 900 psi, RPM = 60, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 210.					
Drlg Prod	Drill Hz	07:00	08:00	1.00	2.00	Drill - Slide	15,553.0	15,578.0	Slide from 15553' to 15578' (25' drilled @ 25 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2500 psi, Diff = 300 psi, MM RPM = 150, TFO = 40R.					
Drlg Prod	Drill Hz	08:00	09:00	1.00	3.00	Drill - Rotat e	15,578.0	15,706.0	Rotate from 15578' to 15706' (128' drilled @ 128 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 900 psi, RPM = 60, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 210.					
Drlg Prod	Drill Hz	09:00	09:30	0.50	3.50	Drill - Slide	15,706.0	15,726.0	Slide from 15706' to 15726' (20' drilled @ 40 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2500 psi, Diff = 300 psi, MM RPM = 150, TFO = 60R.					
Drlg Prod	Drill Hz	09:30	10:00	0.50	4.00	Drill - Rotat e	15,726.0	15,800.0	Rotate from 15726' to 15800' (74' drilled @ 148 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 900 psi, RPM = 80, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 230.					
Drlg Prod	Drill Hz	10:00	10:30	0.50	4.50	Drill - Slide	15,800.0	15,814.0	Slide from 15800' to 15814' (14' drilled @ 28 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2500 psi, Diff = 300 psi, MM RPM = 150, TFO = 30R.					
Drlg Prod	Drill Hz	10:30	13:00	2.50	7.00	Drill - Rotat e	15,814.0	16,325.0	Rotate from 15814' to 16325' (511' drilled @ 204.4 fph). WOB = 48 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 1000 psi, RPM = 60, Torque = 29 kft-lbs, MM RPM = 150, Total bit RPM = 210.					
Drlg Prod	Drill Hz	13:00	14:00	1.00	8.00	Drill - Slide	16,325.0	16,344.0	Slide from 16325' to 16344' (19' drilled @ 19 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = HS.					
Drlg Prod	Drill Hz	14:00	14:30	0.50	8.50	Drill - Rotat e	16,344.0	16,466.0	Rotate from 16344' to 16466' (122' drilled @ 244 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 900 psi, RPM = 80, Torque = 29 kft-lbs, MM RPM = 150, Total bit RPM = 230.					
Drlg Prod	Drill Hz	14:30	15:30	1.00	9.50	Drill - Slide	16,466.0	16,483.0	Slide from 16466' to 16483' (17' drilled @ 17 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = HS.					
Drlg Prod	Drill Hz	15:30	16:30	1.00	10.50	Drill - Rotat e	16,483.0	16,751.0	Rotate from 16483' to 16751' (268' drilled @ 268 fph). WOB = 45 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 900 psi, RPM = 80, Torque = 30 kft-lbs, MM RPM = 150, Total bit RPM = 230.					
Drlg Prod	Drill Hz	16:30	17:00	0.50	11.00	Drill - Slide	16,751.0	16,769.0	Slide from 16751' to 16769' (18' drilled @ 36 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 180.					
Drlg Prod	Drill Hz	17:00	18:30	1.50	12.50	Drill - Rotat e	16,769.0	17,035.0	Rotate from 16769' to 17035' (266' drilled @ 177.3 fph). WOB = 43 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 900 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 150, Total bit RPM = 235.					
Drlg Prod	Drill Hz	18:30	19:30	1.00	13.50	Drill - Slide	17,035.0	17,050.0	Slide from 17035' to 17050' (15' drilled @ 15 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 170L.					
Drlg Prod	Drill Hz	19:30	20:00	0.50	14.00	Drill - Rotat e	17,050.0	17,130.0	Rotate from 17050' to 17130' (80' drilled @ 160 fph). WOB = 43 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 80, Torque = 30 kft-lbs, MM RPM = 150, Total bit RPM = 230.					
Drlg Prod	Drill Hz	20:00	21:00	1.00	15.00	Drill - Slide	17,130.0	17,150.0	Slide from 17130' to 17150' (20' drilled @ 20 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 180.					
Drlg Prod	Drill Hz	21:00	22:00	1.00	16.00	Drill - Rotat e	17,150.0	17,315.0	Rotate from 17150' to 17315' (165' drilled @ 165 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 85, Torque = 30 kft-lbs, MM RPM = 150, Total bit RPM = 235.					
Drlg Prod	Drill Hz	22:00	23:00	1.00	17.00	Drill - Slide	17,315.0	17,350.0	Slide from 17315' to 17350' (35' drilled @ 35 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 180.					



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 18.0, DFS: 10.38
Report Start Date: 5/30/2023 06:00
Report End Date: 5/31/2023 06:00
Depth Progress: 2,659.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,037.0		Total Depth (TVD) (ftKB) Original Hole - 9,680.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		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	23:00	02:00	3.00	20.00	Drill - Rotat e	17,350.0	17,890.0	Rotate from 17350' to 17890' (540' drilled @ 180 fph). WOB = 43 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 85, Torque = 32 kft-lbs, MM RPM = 150, Total bit RPM = 235.			
Drlg Prod	Drill Hz	02:00	03:00	1.00	21.00	Drill - Slide	17,890.0	17,915.0	Slide from 17890' to 17915' (25' drilled @ 25 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 150L.			
Drlg Prod	Drill Hz	03:00	03:30	0.50	21.50	Drill - Rotat e	17,915.0	18,037.0	Rotate from 17915' to 18037' (122' drilled @ 244 fph). WOB = 43 klbs, Q = 500 gpm, SPP = 3200 psi, Diff = 800 psi, RPM = 85, Torque = 32 kft-lbs, MM RPM = 150, Total bit RPM = 235.			
Drlg Prod	Cond Trip	03:30	05:00	1.50	23.00	Circ & Cond Mud	18,037.0	18,037.0	Circ 30bbl high visc sweep around			
Drlg Prod	Cond Trip	05:00	06:00	1.00	24.00	Ream & Wash	18,037.0	18,037.0	Wash/ream F/18037' T/17500' due to low ROP			

-- DRILL BITS -- (BHA #9 SUMMARY) Lateral

Bit Run 8	Type PDC	Size (in) 7 7/8	Make Ulterra	Model CF616	SN 86449	Bit TFA... 1.1800 0000	Depth In... 15,034. 0	Depth O... 18,037. 0	Drilled (ft) 3,003.0	Drill Tim... 24.50	Avg RO... 122.6	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)
477	Drill Pipe	S135	5	4.276	15,058.00	18,037.48	19.50	293,631.0	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/4	3.0	3.85	2,979.48	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	Agitator		6 1/2	3.25	21.42	2,975.63	101.00	2,163.4	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 1/4	3.0	3.90	2,954.21	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.31	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	102.71	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	30.93	98.71	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	30.86	67.78	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	2.77	36.92	146.49	405.8	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	6/7:L 8.4:S @ 0.30		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		44.91		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
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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	5/30/2023	1.0	1.0		14.0	14.0	0.0	0.0
Barite (Bulk)	5/30/2023		7.0		47.7	30.7	0.0	17.0
Blower Rental	5/30/2023	2.0	2.0		28.0	28.0	0.0	0.0
Cedar Fiber	5/30/2023		71.0		658.0	420.0	0.0	238.0
Clean Lube	5/30/2023	1,590.0	265.0		2,650.0	1,060.0	0.0	1,590.0
Cottonseed Hulls	5/30/2023		21.0		294.0	198.0	0.0	96.0
Diaseal M	5/30/2023		10.0		25.0	15.0	35.0	-25.0
Forklift	5/30/2023	1.0	1.0		1.0	1.0	0.0	0.0
GenWet	5/30/2023		60.0		445.0	130.0	0.0	315.0
Pallets	5/30/2023	5.0	5.0		37.0	32.0	5.0	0.0
Poly Gen	5/30/2023	86.0	57.0		258.0	175.0	0.0	83.0
Poly Tech	5/30/2023		11.0		102.0	57.0	0.0	45.0
Retention Bonus (Chris)	5/30/2023	1.0	1.0		5.0	5.0	0.0	0.0
Shrink Wrap	5/30/2023	5.0	5.0		36.0	34.0	2.0	0.0
Soda Ash	5/30/2023		61.0		164.0	209.0	0.0	-45.0
Sodium Sulfite	5/30/2023		6.0		122.0	77.0	0.0	45.0
Tiger Bullets	5/30/2023		56.0		195.0	121.0	0.0	74.0
Xanthan 25#	5/30/2023		32.0		176.0	150.0	0.0	26.0

-- 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
5/31/2023	Fuel		Diesel Fuel - Rig		144.0		11,427.0	2,314.0	0.0	9,113.0	gal US	

Ovintiv Confidential

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Report Printed: 5/31/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 18.0, DFS: 10.38
Report Start Date: 5/30/2023 06:00
Report End Date: 5/31/2023 06:00
Depth Progress: 2,659.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,037.0		Total Depth (TVD) (ftKB) Original Hole - 9,680.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- 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
5/31/2023	Fuel		Diesel		2,704.0		27,102.0	20,353.0	0.0	6,749.0	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)
17,630.00	90.07	348.03	9,679.15	7,769.81	7,603.40	-1,599.50	0.44	0.36	0.26
17,725.00	90.21	348.03	9,678.92	7,864.81	7,696.33	-1,619.20	0.15	0.15	0.00
17,820.00	91.13	348.39	9,677.81	7,959.81	7,789.32	-1,638.61	1.04	0.97	0.38
17,915.00	88.64	346.33	9,678.00	8,054.79	7,882.00	-1,659.40	3.40	-2.62	-2.17
18,037.00	88.64	346.33	9,680.89	8,176.69	8,000.51	-1,688.22	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	4/25/2023	4/26/2023
Intermediate	11	1,877.0	7,215.0	5/21/2023	
Production	7 7/8	7,215.0	18,037.0	5/23/2023	

-- LAST CASING RUN --

Csg Des	Run Date	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread
Intermediate 1	5/22/2023 18:30	7,200.0	8 5/8	32.00	HC L-80	

-- 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
5/30/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
5/30/2023 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	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)

-- 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



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 18.0, DFS: 10.38
Report Start Date: 5/30/2023 06:00
Report End Date: 5/31/2023 06:00
Depth Progress: 2,659.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,037.0		Total Depth (TVD) (ftKB) Original Hole - 9,680.9		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- REMARKS --

Remarks
Well Control
*Last BOP Drill: 5/19/23
*Last Trip Drill: 5/19/23
*Annular Element: 2/14/23
*Surface Casing Tested to 1,500 psi on: 4/27/23
*Intermediate Casing Tested to 1500 psi on: 5/23/23
*Last BHA Inspection: 4/19/23
*Last 5" Delta 527 DP inspection: 5/12/23
*Last BOP Test: 5/20/23
*Next BOP Test: 6/10/23
*Saver sub changed: 5/19/23
*741 Jts 5" Delta 527 19.5# DP (Workstring Rental)
*150 Jts 5" 4-1/2IF 19.5# DP (OVV OWNED)
*12 Jts 5" Delta 527 HWD (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

H&P Labor - Days: 6 Hands - Nights: 5 Hands

H&P 553 equipment issues:
•Agitator blades need changing out. On location
•Drawworks pin holes pad eyes have slack. Not stable on center steel causing weight indicator to jump erratically and set off bridge protection if pulling in tight hole.
•Catwalk has oil leaks every time move/skid rig.
•Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 19.0, DFS: 11.38
Report Start Date: 5/31/2023 06:00
Report End Date: 6/1/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 18,383.0		Total Depth (TVD) (ftKB) Original Hole - 9,688.2		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750,000		Max Torque (ft*lb) 52,000	
AFE Number 23213330D		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) \$533,729	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 18,037.0		Start Depth (TVD) (ftKB) 9,680.8		Problem Time Hours (hr) 21.50		Percent Problem Time (%) 89.58		Daily Mud Field Est (Cost) \$15,178		Daily Field Est Total (Cost) \$91,800	
End Depth (ftKB) 18,383.0		End Depth (TVD) (ftKB) 9,688.2		Cum Problem Time Days (days) 4.333		Cum Percent Problem Time (%) 25.37		Cum Mud Field Est (Cost) \$184,956		Cum Field Est To Date (Cost) \$2,826,227	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Mostly Cloudy		Temperature (°F) 76.0		Road Condition Good	

24 Hr Summary
Wash & Ream F/17,500' - 15,250' (Low ROP); TOH F/15,250' - BHA; C/O Bit & Mud Motor (Bit: 2-8-S-RO Mud Motor: No apparent wear or damage); TIH T/8,630'; Wash & Ream F/8,630' - 10,500'; TIH F/10,500' - 16,350'; Wash & Ream F/16,350' - 18,037'; Drilled from 0' to 18383' (346' drilled in 2.5 hrs @ avg ROP of 138.4 fph). Rotate 331' in 2 hrs @ 165.5 fph. Slide 15' in 0.5 hrs @ 30 fph. Lateral drilled past 80 deg = 8540'. Lateral remaining = 1648'.

AM Ops
Drlg. 7-7/8" Lateral @ 18,383'

Ops Forecast
Drlg. 7-7/8" Lateral as per Plan #3

-- RIG SAFETY PERFORMANCE --

Days Since Last LTI (days)		Days Since Last Reportable Inc (days)		MACP (psi)		WB Depth @ 6am (ftKB)	
55.00		55.00					

-- MUD CHECKS --

Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lbf/100ft²)	T Flowline (°F)
5/31/2023 20:00	Water based	Active	18,037.0	9.00	36	7.0	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)
5.000	6.000	6.000	17.0	1	8.6	4.0	3.8	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
93.0	3.0					10,500.000	5	0.0

-- INTERVAL PROBLEMS (NPT) --

Problem Type Bit	Problem Subtype	Dur (Net) (hr) 21.50	Start Date 5/31/2023 06:00	End Date 6/1/2023 03:30	Start Depth (... 18,037.0	End Depth (f... 18,037.0	Description Low ROP	Ref # 8
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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	Ream & Wash	18,037.0	18,037.0	Wash & Ream F/17,500' - 15,250' (Low ROP)	8
Drlg Prod	Cond Trip	09:00	13:30	4.50	7.50	Trip	18,037.0	18,037.0	TOH F/15,250' - 3,378' (Low ROP)	8
Drlg Prod	Cond Trip	13:30	14:00	0.50	8.00	Rig Service	18,037.0	18,037.0	Rig Service - Fix Kelly Hose Wrap	8
Drlg Prod	Cond Trip	14:00	16:00	2.00	10.00	Trip	18,037.0	18,037.0	TOH F/3,378' - BHA	8
Drlg Prod	Cond Trip	16:00	17:30	1.50	11.50	Handle Tools	18,037.0	18,037.0	C/O Bit & Mud Motor (Bit: 2-8-S-RO Mud Motor: No apparent wear or damage)	8
Drlg Prod	Cond Trip	17:30	20:30	3.00	14.50	Trip	18,037.0	18,037.0	TIH T/8,630'	8
Drlg Prod	Cond Trip	20:30	23:00	2.50	17.00	Ream & Wash	18,037.0	18,037.0	Wash & Ream F/8,630' - 10,500'	8
Drlg Prod	Cond Trip	23:00	02:00	3.00	20.00	Trip	18,037.0	18,037.0	TIH F/10,500' - 16,350'	8
Drlg Prod	Cond Trip	02:00	03:30	1.50	21.50	Ream & Wash	18,037.0	18,037.0	Wash & Ream F/16,350' - 18,037'	8
Drlg Prod	Drill Hz	03:30	04:30	1.00	22.50	Drill - Rotate	18,037.0	18,175.0	Rotate from 18037' to 18175' (138' drilled @ 138 fph). WOB = 30 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 650 psi, RPM = 70, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 220.	
Drlg Prod	Drill Hz	04:30	05:00	0.50	23.00	Drill - Slide	18,175.0	18,190.0	Slide from 18175' to 18190' (15' drilled @ 30 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 30R.	
Drlg Prod	Drill Hz	05:00	06:00	1.00	24.00	Drill - Rotate	18,190.0	18,383.0	Rotate from 18190' to 18383' (193' drilled @ 193 fph). WOB = 30 klbs, Q = 500 gpm, SPP = 3100 psi, Diff = 650 psi, RPM = 80, Torque = 27 kft-lbs, MM RPM = 150, Total bit RPM = 230.	

-- DRILL BITS -- (BHA #10 SUMMARY) Lateral

Bit Run 9	Type PDC	Size (in) 7 7/8	Make NOV	Model TKC66	SN A294189	Bit TFA... 1.1800 0000	Depth In... 18,037. 0	Depth O... 18,383. 0	Drilled (ft) 346.0	Drill Tim... 2.50	Avg RO... 138.4	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)
484	Drill Pipe	S135	5	4.276	15,403.52	18,383.00	19.50	300,368.6	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527		
1	XO Sub		6 1/4	3.0	3.85	2,979.48	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	Agitator		6 1/2	3.25	21.42	2,975.63	101.00	2,163.4	IF	Agitator	4 1/2 IF x 4 1/2 IF		
1	XO Sub		6 1/4	3.0	3.90	2,954.21	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527		
90	Drill Pipe	S135	5	4.276	2,847.60	2,950.31	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	102.71	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF		
1	NMDC		6 3/4	3.25	30.93	98.71	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	NMDC		6 11/16	3.25	30.86	67.78	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF		
1	UBHO		6 1/2	3.25	2.77	36.92	146.49	405.8	IF	MWD	4 1/2 IF x 4 1/2 IF		
1	6/7-L 8.4:S @ 0.30		7		33.15	34.15			IF	Motor 2	4 1/2 IF x 4 1/2 Reg		

Ovintiv Confidential

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Report Printed: 6/1/2023



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 19.0, DFS: 11.38
Report Start Date: 5/31/2023 06:00
Report End Date: 6/1/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 18,383.0		Total Depth (TVD) (ftKB) Original Hole - 9,688.2		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- DOWNHOLE SENSORS --													
Sensor Type							Sensor-Bit (ft)				Note		
Gamma							44.91				Gordon Technologies		
Directional							55.18				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	
24 Hour Service				5/31/2023		1.0		1.0				15.0	
Barite (Bulk)				5/31/2023				7.0				47.7	
Blower Rental				5/31/2023		2.0		2.0				30.0	
Cedar Fiber				5/31/2023				25.0				658.0	
Diaseal M				5/31/2023				20.0				75.0	
GenWet				5/31/2023				60.0				445.0	
Poly Gen				5/31/2023				23.0				258.0	
Poly Tech				5/31/2023				5.0				102.0	
Retention Bonus (Chris)				5/31/2023		1.0		1.0				6.0	
Soda Ash				5/31/2023				24.0				164.0	
Sodium Sulfite				5/31/2023				3.0				122.0	
Tiger Bullets				5/31/2023				1.0				195.0	
Xanthan 25#				5/31/2023				20.0				176.0	

-- 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
6/1/2023	Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig		293.0		11,427.0	2,607.0	0.0	8,820.0	gal US
6/1/2023	Fuel		Delta Fuel Company, Inc.		Diesel		1,157.0		27,102.0	21,510.0	0.0	5,592.0	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)
17,820.00	91.13		348.39		9,677.81		7,959.78		7,789.32		-1,638.61		1.04
17,915.00	88.64		346.33		9,678.00		8,054.76		7,882.00		-1,659.40		3.40
18,010.00	88.73		345.69		9,680.18		8,149.68		7,974.16		-1,682.36		0.68
18,105.00	88.78		345.53		9,682.24		8,244.58		8,066.16		-1,705.96		0.18
18,383.00	88.78		345.53		9,688.16		8,522.26		8,335.28		-1,775.41		0.00

-- FORMATION TOPS --													
Wellbore Name				CWS Borehole ID				Formation Name				Drill Top MD (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		4/25/2023		4/26/2023
Intermediate					11		1,877.0		7,215.0		5/21/2023		5/22/2023
Production					7 7/8		7,215.0		18,383.0		5/23/2023		

-- LAST CASING RUN --													
Csg Des			Run Date			Set Depth (ftKB)			OD (in)		Wt/Len (lb/ft)		Grade
Intermediate 1			5/22/2023 18:30			7,200.0			8 5/8		32.00		HC L-80

-- 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		

-- BOP --													
Start Date		End Date		Description			P Range (psi)		Nom ID (in)		Class		Service

-- 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
5/31/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 19.0, DFS: 11.38
Report Start Date: 5/31/2023 06:00
Report End Date: 6/1/2023 06:00
Depth Progress: 346.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 18,383.0		Total Depth (TVD) (ftKB) Original Hole - 9,688.2		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date		

-- SAFETY CHECK SUMMARY -- (Safety Meeting, JSA, Haz ID)				
Date	Type	Tour	Des	Com
5/31/2023 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	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)

-- 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)	2

-- REMARKS --
Remarks Well Control *Last BOP Drill: 5/19/23 *Last Trip Drill: 5/19/23 *Annular Element: 2/14/23 *Surface Casing Tested to 1,500 psi on: 4/27/23 *Intermediate Casing Tested to 1500 psi on: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 20.0, DFS: 12.38

Report Start Date: 6/1/2023 06:00

Report End Date: 6/2/2023 06:00

Depth Progress: 1,643.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$957,428

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 18,383.0	Start Depth (TVD) (ftKB) 9,685.7	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) \$21,226	Daily Field Est Total (Cost) \$140,600
End Depth (ftKB) 20,026.0	End Depth (TVD) (ftKB) 9,659.8	Cum Problem Time Days (days) 4.333	Cum Percent Problem Time (%) 23.96	Cum Mud Field Est (Cost) \$206,183	Cum Field Est To Date (Cost) \$2,966,827
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Cloudy	Temperature (°F) 73.0	Road Condition Good
24 Hr Summary Drilled from 18383' to 20026' (1643' drilled in 11.5 hrs @ avg ROP of 142.9 fph). Rotate 1595' in 9 hrs @ 177.2 fph. Slide 48' in 2.5 hrs @ 19.2 fph. Lateral drilled past 80 deg = 10183'. Lateral remaining = 0'.; Perform Clean-Up Cycle - 3x30 bbl Hi-Vis Sweeps; Wash & Ream F/20,026' - 18,300'; Spot 600 bbl bead pill; TOH F/18,300' - BHA; L/D Directional BHA					
AM Ops L/D Directional BHA		Ops Forecast Pull Wear Bushing; R/U Casing Equip.; Run Production Casing			

-- RIG SAFETY PERFORMANCE --															
Days Since Last LTI (days)				Days Since Last Reportable Inc (days)				MACP (psi)				WB Depth @ 6am (ftKB)			
56.00				56.00											

-- MUD CHECKS --								
Date	Type	Sample Source	Depth (ftKB)	Dens (lb/gal)	Vis (s/qt)	PV OR (cP)	YP OR (lb/100ft²)	T Flowline (°F)
6/1/2023 20:00	Water based	Active	20,026.0	9.00	37	7.0	10.000	
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Gel (30m) (lb/100ft²)	Filtrate (mL/30min)	FC (1/32")	pH	Solids (%)	LGS (%)	T BH (°F)
5.000	6.000	6.000	14.0	1	8.55	4.0	3.7	
H2O (%)	Oil (%)	MBT (lb/bbl)	Elec Stab (V)	Ca (mg/L)	Pot (mg/L)	Chlor (mg/L)	Vis 6rpm	Lime (lb/bbl)
93.0	3.0					11,500.000	5	-0.1

-- 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	06:30	0.50	0.50	Drill - Slide	18,383.0	18,388.0	Slide from 18383' to 18388' (5' drilled @ 10 fph). WOB = 50 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 300 psi, MM RPM = 150, TFO = 45R.						
Drlg Prod	Drill Hz	06:30	07:30	1.00	1.50	Drill - Rotate	18,388.0	18,559.0	Rotate from 18388' to 18559' (171' drilled @ 171 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3300 psi, Diff = 900 psi, RPM = 70, Torque = 32 kft-lbs, MM RPM = 150, Total bit RPM = 220.						
Drlg Prod	Drill Hz	07:30	08:30	1.00	2.50	Drill - Slide	18,559.0	18,582.0	Slide from 18559' to 18582' (23' drilled @ 23 fph). WOB = 60 klbs, Q = 525 gpm, SPP = 2900 psi, Diff = 300 psi, MM RPM = 158, TFO = 45R.						
Drlg Prod	Drill Hz	08:30	12:00	3.50	6.00	Drill - Rotate	18,582.0	19,313.0	Rotate from 18582' to 19313' (731' drilled @ 208.9 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3400 psi, Diff = 750 psi, RPM = 70, Torque = 30 kft-lbs, MM RPM = 150, Total bit RPM = 220.						
Drlg Prod	Drill Hz	12:00	13:00	1.00	7.00	Drill - Slide	19,313.0	19,333.0	Slide from 19313' to 19333' (20' drilled @ 20 fph). WOB = 60 klbs, Q = 500 gpm, SPP = 2700 psi, Diff = 250 psi, MM RPM = 150, TFO = 160R.						
Drlg Prod	Drill Hz	13:00	17:30	4.50	11.50	Drill - Rotate	19,333.0	20,026.0	Rotate from 19333' to 20026' (693' drilled @ 154 fph). WOB = 40 klbs, Q = 500 gpm, SPP = 3300 psi, Diff = 650 psi, RPM = 85, Torque = 34 kft-lbs, MM RPM = 150, Total bit RPM = 235.						
Flat Prod	Cond Trip	17:30	20:00	2.50	14.00	Circ & Cond Mud	20,026.0	20,026.0	Perform Clean-Up Cycle - 3 x 30bbl Hi-Vis Sweeps						
Flat Prod	Cond Trip	20:00	22:00	2.00	16.00	Ream & Wash	20,026.0	20,026.0	Wash & Ream F/20,026' - 18,300'						
Flat Prod	Cond Trip	22:00	23:30	1.50	17.50	Circ & Cond Mud	20,026.0	20,026.0	Spot 600 bbl bead pill						
Flat Prod	Cond Trip	23:30	05:00	5.50	23.00	Trip	20,026.0	20,026.0	TOH F/18,300' - BHA						
Flat Prod	Cond Trip	05:00	06:00	1.00	24.00	Handle Tools	20,026.0	20,026.0	L/D Directional BHA						

-- DRILL BITS -- (BHA #10 SUMMARY) Lateral															
Bit Run 9	Type PDC	Size (in) 7 7/8	Make NOV	Model TKC66			SN A294189	Bit TFA... 1.1800 0000	Depth In... 18,037. 0	Depth O... 20,026. 0	Drilled (ft) 1,989.0	Drill Tim... 14.00	Avg RO... 142.1	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)
536	Drill Pipe		S135	5	4.276	17,046.52	20,026.00	19.50	332,407.1	Delta 527	Drill Pipe	4 1/2 Delta 527 x 4 1/2 Delta 527			
1	XO Sub			6 1/4	3.0	3.85	2,979.48	49.00	188.7	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	Agitator			6 1/2	3.25	21.42	2,975.63	101.00	2,163.4	IF	Agitator	4 1/2 IF x 4 1/2 IF			
1	XO Sub			6 1/4	3.0	3.90	2,954.21	49.00	191.1	IF	XO	4 1/2 IF x 4 1/2 Delta 527			
90	Drill Pipe		S135	5	4.276	2,847.60	2,950.31	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	102.71	49.00	196.0	Delta 527	XO	4 1/2 Delta 527 x 4 1/2 IF			
1	NMDC			6 3/4	3.25	30.93	98.71	146.49	4,530.9	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			
1	NMDC			6 11/16	3.25	30.86	67.78	146.49	4,520.7	IF	Drill collar - non mag	4 1/2 IF x 4 1/2 IF			



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 20.0, DFS: 12.38
Report Start Date: 6/1/2023 06:00
Report End Date: 6/2/2023 06:00
Depth Progress: 1,643.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363													
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date											
-- BHA --																											
Jts		Item Des		Grade		OD (in)		ID (in)		Len (ft)		Cum Len (ft)		Mass/Len (lb/ft)		Wt (lbf)		Top Thread		Icon		Connections		Gauge (in)		Drift (in)	
1		UBHO				6 1/2		3.25		2.77		36.92		146.49		405.8		IF		MWD		4 1/2 IF x 4 1/2 IF					
1		6/7:L 8.4:S @ 0.30				7				33.15		34.15						IF		Motor 2		4 1/2 IF x 4 1/2 Reg					
-- DOWNHOLE SENSORS --																											
Sensor Type						Sensor-Bit (ft)						Note															
Gamma						44.91						Gordon Technologies															
Directional						55.18						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				6/1/2023				1.0		1.0				16.0		16.0		0.0		0.0							
Barite (Bulk)				6/1/2023						7.0				47.7		44.7		0.0		3.0							
Blower Rental				6/1/2023				2.0		2.0				32.0		32.0		0.0		0.0							
Calcium Carbonate				6/1/2023				200.0		112.0				234.0		133.0		0.0		101.0							
Cedar Fiber				6/1/2023				240.0		79.0				898.0		524.0		0.0		374.0							
Cottonseed Hulls				6/1/2023						18.0				294.0		216.0		0.0		78.0							
Forklift				6/1/2023				1.0		1.0				2.0		2.0		0.0		0.0							
Freight				6/1/2023				1,312.5		1,312.5				17,826.56		17,826.56		0.0		0.0							
GenShield				6/1/2023						135.0				165.0		185.0		0.0		-20.0							
Pac LV				6/1/2023						16.0				120.0		56.0		0.0		64.0							
Pallets				6/1/2023				9.0		9.0				46.0		41.0		5.0		0.0							
Poly Gen				6/1/2023										258.0		198.0		0.0		60.0							
Poly Tech				6/1/2023						7.0				102.0		69.0		0.0		33.0							
Retention Bonus (Chris)				6/1/2023				1.0		1.0				7.0		7.0		0.0		0.0							
Shrink Wrap				6/1/2023				9.0		9.0				45.0		43.0		2.0		0.0							
Soda Ash				6/1/2023						40.0				164.0		273.0		0.0		-109.0							
Sodium Sulfite				6/1/2023						14.0				122.0		94.0		0.0		28.0							
Tiger Bullets				6/1/2023						51.0				195.0		173.0		0.0		22.0							
Xanthan 25#				6/1/2023				88.0		17.0				264.0		187.0		0.0		77.0							
-- 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			
6/2/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Other				1,376.0				11,427.0		3,983.0		0.0		7,444.0		gal US					
6/2/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig		7,200.0						34,302.0		21,510.0		0.0		12,792.0		gal US					
6/2/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig		1,400.0		2,736.0				35,702.0		24,246.0		0.0		11,456.0		gal US					
-- LOST CIRCULATION --																											
Start Date		End Date		Ops In Prog				Top (ftKB)		Btm (ftKB)		Q Lost (bbl/hr)		Vol Lost Tot (bbl)		Com											
-- SURVEY DATA --																											
MD (ftKB)		Incl (°)		Azm (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)		DLS (°/100ft)		Build (°/100ft)		Turn (°/100ft)									
19,718.00		91.22		347.83		9,663.42		9,857.10		9,641.18		-2,051.85		0.06		-0.03		-0.05									
19,813.00		91.78		348.23		9,660.94		9,952.06		9,734.08		-2,071.55		0.72		0.59		0.42									
19,908.00		89.59		347.51		9,659.80		10,047.05		9,826.94		-2,091.51		2.43		-2.31		-0.76									
19,969.00		90.13		347.53		9,659.95		10,108.05		9,886.50		-2,104.69		0.89		0.89		0.03									
20,026.00		90.13		347.53		9,659.82		10,165.05		9,942.16		-2,117.00		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		4/25/2023				4/26/2023											
Intermediate						11		1,877.0		7,215.0		5/21/2023				5/22/2023											
Production						7 7/8		7,215.0		20,026.0		5/23/2023				6/1/2023											
-- LAST CASING RUN --																											
Csg Des		Run Date				Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade				Top Thread									
Intermediate 1		5/22/2023 18:30				7,200.0				8 5/8		32.00		HC L-80													
-- 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)					



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 20.0, DFS: 12.38
Report Start Date: 6/1/2023 06:00
Report End Date: 6/2/2023 06:00
Depth Progress: 1,643.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8			Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date	

-- 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
6/1/2023 06:00	Safety Meeting/JSA	Day	Pre-Tour	Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.
6/1/2023 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	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
2	5/16/2023		Gardner-Denver	PZ-11	1,600.0	10.98	5
3	5/16/2023		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)	

-- 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)	2

-- 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: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.	



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 21.0, DFS: 13.38
Report Start Date: 6/2/2023 06:00
Report End Date: 6/3/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date 6/3/2023	

-- RIG --

Contractor H&P		Rig Number 553		Rig Type Triple - Diesel		Max Hook Load (1000lbf) 750,000		Max Torque (ft*lb) 52,000	
AFE Number 23213330D		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) \$957,428	

-- OPERATIONS SUMMARY --

Start Depth (ftKB) 20,026.0		Start Depth (TVD) (ftKB) 9,659.8		Problem Time Hours (hr) 1.00		Percent Problem Time (%) 4.17		Daily Mud Field Est (Cost) \$1,110		Daily Field Est Total (Cost) \$1,097,100	
End Depth (ftKB) 20,026.0		End Depth (TVD) (ftKB) 9,659.8		Cum Problem Time Days (days) 4.375		Cum Percent Problem Time (%) 22.93		Cum Mud Field Est (Cost) \$207,293		Cum Field Est To Date (Cost) \$4,065,427	
Target Depth (MD) (ftKB) 20,031.0		Target Formation Lower Lower Spraberry		Hole Condition Good		Weather Rain		Temperature (°F) 71.0		Road Condition Good	

24 Hr Summary

R/U 5-1/2" Casing Equip.; Run 5-1/2" 19# P110-EC Sprint TC T/10,265'; Wait on Weather (Lighting & Hail); Run 5-1/2" 19# P110-EC Sprint TC T/10,265' - 10,837'; C/O Casing Equip. F/5-1/2" - 6"; Trouble-shoot Top Drive Profibus Fault; Run 6" 22.3# P-110 RY Sprint TC F/10,837' - 20,013'; Circ.; R/D Casing Equip.; Set & Test Pack-Off - Install BPV; N/D BOPE; Prep T/Skid

Release Rig T/Hilltop 37C 4HF on 6-3-23 @ 06:00

Notified Becky #2 w/TRRC on 6/2/23 of our intent to run and cement production casing

AM Ops Release Rig T/Hilltop 37C 4HF		Ops Forecast Release Rig T/Hilltop 37C 4HF	
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-- RIG SAFETY PERFORMANCE --

Days Since Last LTI (days)		Days Since Last Reportable Inc (days)		MACP (psi)		WB Depth @ 6am (ftKB)	
57.00		57.00					

-- MUD CHECKS --

Date		Type		Sample Source		Depth (ftKB)		Dens (lb/gal)		Vis (s/qt)		PV OR (cP)		YP OR (lbf/100ft²)		T Flowline (°F)	
6/2/2023 20:00		Water based		Active		20,026.0		9.00		38		6.0		12.000			
Gel (10s) (lbf/100ft²)		Gel (10m) (lbf/100ft²)		Gel (30m) (lbf/100ft²)		Filtrate (mL/30min)		FC (1/32")		pH		Solids (%)		LGS (%)		T BH (°F)	
5.000		6.000		6.000		13.8		1		8.55		4.0		3.8			
H2O (%)		Oil (%)		MBT (lb/bbl)		Elec Stab (V)		Ca (mg/L)		Pot (mg/L)		Chlor (mg/L)		Vis 6rpm		Lime (lb/bbl)	
93.0		3.0										10,000.000		6		-0.1	

-- INTERVAL PROBLEMS (NPT) --

Problem Type Rig Repair - Top Drive		Problem Subtype Code 8		Dur (Net) (hr) 1.00		Start Date 6/2/2023 18:30		End Date 6/2/2023 19:30		Start Depth (... 20,026.0		End Depth (f... 20,026.0		Description Trouble-shoot Top Drive Profibus Fault		Ref # 9	
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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	Cond Trip	06:00	06:30	0.50	0.50	Other	20,026.0	20,026.0	Pull Wear Bushing		
Flat Prod	Case & Cement	06:30	08:00	1.50	2.00	Other	20,026.0	20,026.0	PJSM, R/U 5-1/2" Casing Equip.		
Flat Prod	Case & Cement	08:00	16:30	8.50	10.50	Run Casin g	20,026.0	20,026.0	Run 5-1/2" 19# P110-EC Sprint TC T/10,265'		
Flat Prod	Case & Cement	16:30	17:00	0.50	11.00	Wait	20,026.0	20,026.0	Wait on Weather (Lighting & Hail)		
Flat Prod	Case & Cement	17:00	17:30	0.50	11.50	Run Casin g	20,026.0	20,026.0	Run 5-1/2" 19# P110-EC Sprint TC T/10,265' - 10,837'		
Flat Prod	Case & Cement	17:30	18:30	1.00	12.50	Other	20,026.0	20,026.0	C/O Casing Equip. F/5-1/2" - 6"		
Flat Prod	Case & Cement	18:30	19:30	1.00	13.50	Rig Repai r	20,026.0	20,026.0	Trouble-shoot Top Drive Profibus Fault		9
Flat Prod	Case & Cement	19:30	02:30	7.00	20.50	Run Casin g	20,026.0	20,026.0	Run 6" 22.3# P-110 RY Sprint TC F/10,837' - 20,013' (120K on Hanger)		
Flat Prod	Case & Cement	02:30	03:30	1.00	21.50	Circ & Cond Mud	20,026.0	20,026.0	Circ.		
Flat Prod	Case & Cement	03:30	04:00	0.50	22.00	Other	20,026.0	20,026.0	R/D Casing Equip.		
Flat Prod	Case & Cement	04:00	05:00	1.00	23.00	Other	20,026.0	20,026.0	L/D Landing Joint, Set & Test Pack-Off, Set BPV		
Flat Prod	Case & Cement	05:00	05:30	0.50	23.50	BOP	20,026.0	20,026.0	N/D BOP		
Flat Prod	Case & Cement	05:30	06:00	0.50	24.00	Other	20,026.0	20,026.0	Prep T/Skid Rig		
Release Rig T/Hilltop 37C 4HF on 6-3-23 @ 06:00											

-- 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)
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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	6/2/2023	1.0	1.0		17.0	17.0	0.0	0.0
Blower Rental	6/2/2023	2.0	2.0		34.0	34.0	0.0	0.0



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 21.0, DFS: 13.38
Report Start Date: 6/2/2023 06:00
Report End Date: 6/3/2023 06:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363											
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date 6/3/2023									
-- MUD ADDITIVES --																									
Des				Date				Rec		Consumed		Returned		Rec		Consumed		Returned		On Loc					
Retention Bonus (Chris)				6/2/2023				1.0		1.0				8.0		8.0		0.0		0.0					
-- 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	
6/3/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Other				157.0				11,427.0		4,140.0		0.0		7,287.0		gal US			
6/3/2023		Fuel		Delta Fuel Company, Inc.		Diesel Fuel - Rig				888.0				35,702.0		25,134.0		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)							
19,718.00		91.22		347.83		9,663.42		9,857.10		9,641.18		-2,051.85		0.06		-0.03		-0.05							
19,813.00		91.78		348.23		9,660.94		9,952.06		9,734.08		-2,071.55		0.72		0.59		0.42							
19,908.00		89.59		347.51		9,659.80		10,047.05		9,826.94		-2,091.51		2.43		-2.31		-0.76							
19,969.00		90.13		347.53		9,659.95		10,108.05		9,886.50		-2,104.69		0.89		0.89		0.03							
20,026.00		90.13		347.53		9,659.82		10,165.05		9,942.16		-2,117.00		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		4/25/2023				4/26/2023											
Intermediate				11		1,877.0		7,215.0		5/21/2023				5/22/2023											
Production				7 7/8		7,215.0		20,026.0		5/23/2023				6/1/2023											
-- LAST CASING RUN --																									
Csg Des		Run Date		Set Depth (ftKB)				OD (in)		Wt/Len (lb/ft)		Grade		Top Thread											
Production		6/3/2023 02:30		20,013.0				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																	
6/2/2023 06:00		Safety Meeting/JSA		Day		Pre-Tour		Driving. Housekeeping. Wildlife. - PreTour Safety Meeting - Safety discussion: Overhead loads, pinchpoints, & communication.																	
6/2/2023 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		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5											
2		5/16/2023				Gardner-Denver		PZ-11		1,600.0		10.98		5											
3		5/16/2023				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)															
-- 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													



Daily Drilling (Partner)

Well Name: HILLTOP 37D 5HF

Report #: 21.0, DFS: 13.38

Report Start Date: 6/2/2023 06:00

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

Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363	
Orig KB Elev (ft) 3,030.00	Gr Elev (ft) 3,000.00	KB-Grd (ft) 30.00	Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date 6/3/2023		

-- 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)	2

-- 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: 5/23/23 *Last BHA Inspection: 4/19/23 *Last 5" Delta 527 DP inspection: 5/12/23 *Last BOP Test: 5/20/23 *Next BOP Test: 6/10/23 *Saver sub changed: 5/19/23 *741 Jts 5" Delta 527 19.5# DP (Workstring Rental) *150 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 H&P Labor - Days: 6 Hands - Nights: 5 Hands H&P 553 equipment issues: •Agitator blades need changing out. On location •Catwalk has oil leaks every time move/skid rig. •Mud lines have rusted out spot on tanks need replaced.



Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF

Report #: 22.0, DFS: 13.38
Report Start Date: 6/3/2023 06:00
Report End Date: 6/3/2023 11:00
Depth Progress: 0.0

API/UWI 42003487930000		Well Type Oil		Asset Permian		Sub Asset 1 Martin		Segment US Upstream		State/Province TX		County/Parish ANDREWS		Enterprise Unique ID (E... 20202300027363			
Orig KB Elev (ft) 3,030.00		Gr Elev (ft) 3,000.00		KB-Grd (ft) 30.00		Total Depth (MD) (ftKB) 20,026.0		Total Depth (TVD) (ftKB) Original Hole - 9,659.8		Latitude (decimal) (°) 32.41915950		Longitude (decimal) (°) -102.29776780		Spud Date 4/25/2023		Final Rig Release Date 6/3/2023	

-- RIG --				
Contractor H&P	Rig Number 553	Rig Type Triple - Diesel	Max Hook Load (1000lbf) 750,000	Max Torque (ft*lb) 52,000
AFE Number 23213330D	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) \$957,428

-- OPERATIONS SUMMARY --					
Start Depth (ftKB) 20,026.0	Start Depth (TVD) (ftKB) 9,659.8	Problem Time Hours (hr) 0.00	Percent Problem Time (%) 0.00	Daily Mud Field Est (Cost) (\$4,831)	Daily Field Est Total (Cost) \$0
End Depth (ftKB) 20,026.0	End Depth (TVD) (ftKB) 9,659.8	Cum Problem Time Days (days) 4.375	Cum Percent Problem Time (%) 22.93	Cum Mud Field Est (Cost) \$202,461	Cum Field Est To Date (Cost) \$4,060,671
Target Depth (MD) (ftKB) 20,031.0	Target Formation Lower Lower Spraberry	Hole Condition Good	Weather Cloudy	Temperature (°F) 69.0	Road Condition Good

24 Hr Summary															
AM Ops								Ops Forecast							

-- 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 #
Offline Prod	Cement	06:00	07:00	1.00	1.00	Cmnt Casin g	20,026.0	20,026.0	R/U offline cement.						
Offline Prod	Cement	07:00	11:00	4.00	5.00	Cmnt Casin g	20,026.0	20,026.0	Offline Production Cement: PJSM, Test Lines T/4,500 psi Pump Water Spacer: 80 bbls (8.3 ppg) @ 8 bpm Pump Lead Cmnt: 138 bbls (9.65 ppg) @ 6 bpm Pump Tail Cmnt: 420 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: 474 bbls (8.3 ppg) @ 8 bpm Total Displacement: 494 bbls (Disp. Ing.: 50 gals Genshield / 4 boxes Sodium Erythorbate / 20 gals Myacide / 30 gals MEA) Bumped Bottom Plug on calculated @ 4.5 bpm (2,200 - 2,900 psi) Bumped Top Plug on calculated @ 4.5 bpm (2,200 - 3,700 psi) Bled Back: 7.0 bbls - Floats Held - No cement to Surface ICP: 900 psi @ 8 bpm FCP: 2,200 psi @ 4.5 bpm						

-- 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		
3% Discount				6/3/2023			-6,238.8	-6,238.8		-6,238.8	-6,238.8	0.0	0.0		
Freight				6/3/2023			1,407.42	1,407.42		19,233.98	19,233.98	0.0	0.0		

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

-- JOB SUPPLIES -- (Fuel)															
Date	Supply Item Des	Vendor			Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned	Cum On Loc	Unit Label	Unit Sz	

-- 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)			
19,718.00	91.22	347.83		9,663.42		9,857.10	9,641.18	-2,051.85	0.06	-0.03		-0.05			
19,813.00	91.78	348.23		9,660.94		9,952.06	9,734.08	-2,071.55	0.72	0.59		0.42			
19,908.00	89.59	347.51		9,659.80		10,047.05	9,826.94	-2,091.51	2.43	-2.31		-0.76			
19,969.00	90.13	347.53		9,659.95		10,108.05	9,886.50	-2,104.69	0.89	0.89		0.03			
20,026.00	90.13	347.53		9,659.82		10,165.05	9,942.16	-2,117.00	0.00	0.00		0.00			

Daily Drilling (Partner)
Well Name: HILLTOP 37D 5HF