



Well Name: UL B 3H

Daily Drilling Report

Report #: 4.0 DFS To RR: 2.00

Acquisition: Midland Farms

Well Header				
API/UWI 42-003-48221	Surface Legal Location UL 264		Lease UL B 3H	State/Province Texas
Previous Rig Release	Spud Date 3/2/2020	Rig Start Date 2/23/2020	Rig Release Date	Date TD Reached (wellbore)
Contractor Orion	Rig Number Aries 18	Rig Supervisor Alfredo Gomez	Rig Rate (ref) (Cost/day) 19,100.00	KB-Ground Distance (ft) 22.50

Daily Report		
Report Start Date 3/3/2020	Cum Rig Time (hr) 50.50	Avg ROP (ft/hr)

Operations 24 Hour Summary
LAY DOWN SURFACE BHA, R/U AND RUN SURFACE CASING, CIRCULATE, CEMENT SURFACE CASING.
NIPPLE UP BOP

Operations Next Report Period
TEST BOP, COMPLETE FLOWLINE MODIFICATIONS, INSTALL FLOW LINE, INSTALL WEAR BUSHIN, P/U BHA, RIH, DISPLACE AND DRILLOUT SHOETRACK, DRILL INTERMEDIATE

Remarks
NO ACCIDENTS/INCIDENTS REPORTED.

Time Log of Operations

Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Com
06:00	1.50	1.50	1,781.0	Handle	Directional Tools	LAY DOWN SURFACE BHA, CLEAR GUMBO FROM STABILIZERS AND BIT.
07:30	1.00	2.50	1,781.0	Rig up	Casing Crew	RIG UP CASING TOOLS
08:30	5.00	7.50	1,781.0	Run	Casing & Cement	MAKE UP FLOAT SHOE, 1 JT CSG, FLOAT COLLAR, TEST FLOATS, GOOD TEST. RUN 13 3/8", 54#, J55 BTC CASING TO SET DEPTH AT 1,715'.
13:30	2.75	10.25	1,781.0	Circulate Bottom Up	Pre job	CIRCULATE 1.5 X CASING CAPACITY, LAY OUT JOINT, PICKUP LANDING JOINT AND LAND OUT CASING
16:15	0.25	10.50	1,781.0	Rig Up	Cementers	LAY DOWN CRT, RIG UP CEMENT HEAD
16:30	2.50	13.00	1,781.0	Run	Casing & Cement	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.
19:00	0.50	13.50	1,781.0	Pressure Test	Casing	PERFORM CASING TEST AT PLUG BUMP. TEST GOOD, FLOATS HELD.
19:30	0.75	14.25	1,781.0	Rig Down	Cementers	RIG DOWN CEMENTERS, BACK OUT AND LAY DOWN LANDING JOINT. RIG DOWN CASING BALES AND ELEVATORS.
20:15	3.25	17.50	1,781.0	Nipple Up	BOP	DRESS OUT WELLHEAD AND INSTALL SPEED HEAD WITH SPACER SPOOL. MAKE UP ORBIT VALVE TO ROTATING HEAD ASSEMBLY, SET SAME IN SUB. LIFT WITH HOISTS TO ROTARY TABLE AND PREP TO LAND ON STACK. BEGIN TO DRAIN AND FLUSH PITS.
23:30	1.00	18.50	1,781.0	Nipple Up	BOP	INSTALL BOP STUDS AND SET BOP ON WELLHEAD.
00:30	1.50	20.00	1,781.0	Nipple Up	BOP	REMOVE NUTS ON ANNULAR AND INSTALL ROTATING HEAD AND ORBIT VALVE ON STACK. FILL PITS WITH BRINE WATER. RIG UP PUMP AND HOSES TO PVC DUMP LINE.
02:00	4.00	24.00	1,781.0	Nipple Up	BOP	TORQUE ANNULAR, TORQUE ROTATING HEAD AND ORBIT VALVE BREAKS. MEASURE FLOWLINE FOR MODIFICATION, REMOVE FLOW LINE, BEGIN MODIFICATIONS ON FLOW LINE TO ACCOMODATE ROTATING HEAD / ORBIT VALVE. INSTALL CHOKE LINE, INSTALL KILL LINE VALVES, INSTALL KILL LINE AND TORQUE SAME. MAKE UP TEST PLUG TO JOINT OF DRILL PIPE. PREP TO TEST STACK.

Jobs	
Job Category Drilling	Sum of Total Fld Est (C... 649,129.80

Total	Sum of Total Fld Est (C... 649,129.80
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AFE Number D19281	AFE+Supp Amt (Cost) 8,362,100.00
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Day Total (Cost) 168,907.90	Cum To Date (Cost) 649,129.80
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Mud Field Est (Cost)	Cum Mud Field Est (Co...)
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Start Depth (ftKB) 1,781.0	End Depth (ftKB) 1,781.0
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Depth Progress (ft) 0.00	Avg ROP (ft/hr)
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Target Formation Devonian	Target Depth (ftKB) 19,100.0
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Last Casing String

Daily Contacts

Job Contact	Mobile
Troy Carroll	903-386-9403
Bobby Israel	337-349-1063

Mud Pumps

1, Demco, F-1600

Pump # 1	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Demco, F-1600

Pump # 2	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

3, Demco, F-1600

Pump # 3	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

Wellbores

Wellbore Name
Original Hole

Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)
Production		
Act Btm (ftKB)	Start Date	End Date
Conductor	24	22.5
Act Btm (ftKB)	Start Date	End Date
120.0	12/26/2019	12/26/2019
Surface	17 1/2	120.0
Act Btm (ftKB)	Start Date	End Date
1,781.0	3/2/2020	
Intermediate		1,782.0
Act Btm (ftKB)	Start Date	End Date
	3/3/2020	

Kick Offs & Key Depths

Type	Top Depth (ftKB)



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Mud Volumes						
Active Vol (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Vol (bbl)	Additions (bbl)	Losses (bbl)	Hole Vol (bbl)
Mud Checks						
Date	Type	Fluid Category	Mud Company		Comment	
Depth (ftKB)	Depth (TVD...)	Dens (lb/gal)	Wellbore	H2O (%)	Oil (%)	Oil Water Ratio
MBT (lb/bbl)	pH	Temp pH (°F)	Alkalinity (mL/mL)	Electric Stab (V)		
Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	n Override	K Override
Solids (%)	Corrected Solids...	LGS (%)	HGS (%)	CaCl (ppm)	Calcium (mg/L)	Lime (lb/bbl)
Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/30min)		HTHP Filter Cake (1/32")		
Drill Strings						
BHA #<stringno>, <des>						
Bit Run	Drill Bit	IADC Bit Dull			TFA (incl Noz) (in²)	
Nozzles (1/32")				String Length (ft)	String Wt (1000lb)	BHA ROP (ft/hr)
Drill String Components						
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread	
Drilling Parameters						
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)
Flow Rate (gpm)	WOB (1000lb)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lb)	SO Str Wt (1000lb)
				Drilling Torque	Off Btm Tq	
Hydraulic Calculations						
Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)		
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)		
Error						
Safety Incidents						
Time	Category	Type	Subtype	Cause	Lost time?	Severity
Safety JSA's						
Date	Type	Tour	Description	Comment	Last Mod By	
Daily Costs						
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)		
Contract Drilling-Daywork	Orion	322	125	19,100.00		
Surface Rental Equipment	BOS Solutions Inc	322	142	1,200.00		
Office, Sewage & Misc Rentals	Oil Patch Group Inc	322	155	550.00		
Office, Sewage & Misc Rentals	Water Fleet LLC	322	155	800.00		
Supervision - Contract	Consulting Firms	322	212	3,800.00		
Drlstring/Wrkstring Rental Eq	Oil Patch Group Inc	322	151	300.00		
Mud & Chemicals / Facility Fluids & Chemicals	AES Drilling Fluids LLC	322	141	17,433.95		
Directional Tools & Services	MS Directional LLC	322	152	11,100.00		
Directional Tools & Services	Slider	322	152	580.00		
Monitoring Equipment	National Oilwell Varco -NOV - SEE Tuboscope and/or DNOW, The Well Site Services, Drilling and Inter	322	156	525.00		
Monitoring Equipment	Moblize (AKM Enterprise Inc)	322	156	300.00		
Water/Water Well	Swiftwater Energy Services LLC	322	133	165.00		
Surface Rental Equipment	TwoPro Energy Services LLC	322	142	1,250.00		
Well Control Rentals	TwoPro Energy Services LLC	322	154	200.00		
Well Control Rentals	B.O.P. RAM-Block and Iron Rentals Inc	322	154	265.00		
Well Control Rentals	Seaboard International Inc (Weir Seaboard)	322	154	2,270.00		
Well Control Rentals	Cutter Drilling Systems SEE Premium Oilfield Technologies	322	154	150.00		
Surface Casing	Pyramid Tubular Products	323	292	55,000.00		
Casing Crews & Equip & Tong Serv	TwoPro Energy Services LLC	322	251	7,870.00		
Cement & Services	Halliburton	322	161	31,924.56		



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Daily Costs				
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)
Fuel	Frontier Tank Lines Inc	322	131	14,124.39
Total				168,907.90

Csg Des	Set Depth (ftKB)	Run Date	Prop Run?	Wellbore	Pick Up Date	On Bottom Date	Centralizers	Top (ftKB)
Production			Yes	Original Hole				
Intermediate			Yes	Original Hole				
Conductor	120.0	12/26/2019	Yes	Original Hole				25.0
Surface	1,715.0	3/3/2020	Yes	Original Hole				24.7

Cement

Intermediate Casing Cement, Casing, <dtmstart>				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing			Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches				
Comment				

Production Casing Cement, Casing, <dtmstart>				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing			Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches				
Comment				

Conductor Cement, Casing, 12/26/2019 12:30				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing	12/26/2019	12/26/2019	Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches	Returns to Surface			
Comment				

Cement Stages						
Stg #	Description	Objective	Comment			
1	Conductor Cement			
Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Top Plug?	Bottom Plug?	Cement Volume Return (bbl)	
22.5	120.0	Yes	No	No	50.0	
Plug Bump Pressure (psi)	Recip?	Pipe Rotated?	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ft...)	Drill Out Date	
100.0	No	No				

Surface Casing Cement, Casing, 3/3/2020 16:30				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing	3/3/2020	3/3/2020	Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Halliburton Energy Services	Returns to Surface	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		
Comment				
SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.				

Cement Stages						
Stg #	Description	Objective	Comment			
1	Surface Casing Cement	Cement Surface Casing	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.			
Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Top Plug?	Bottom Plug?	Cement Volume Return (bbl)	
24.7	1,715.0	Yes	Yes	No	170.0	
Plug Bump Pressure (psi)	Recip?	Pipe Rotated?	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ft...)	Drill Out Date	
1,100.0	No	No				



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Daily Drilling Report

Report #: 5.0 DFS To RR: 3.00

Acquisition: Midland Farms

Well Header				
API/UWI 42-003-48221	Surface Legal Location UL 264	Lease UL B 3H	State/Province Texas	
Previous Rig Release	Spud Date 3/2/2020	Rig Start Date 2/23/2020	Rig Release Date	Date TD Reached (wellbore)
Contractor Orion	Rig Number Aries 18	Rig Supervisor Alfredo Gomez	Rig Rate (ref) (Cost/day) 19,100.00	KB-Ground Distance (ft) 22.50

Daily Report		
Report Start Date 3/4/2020	Cum Rig Time (hr) 74.50	Avg ROP (ft/hr) 146.3
Operations 24 Hour Summary R/U AND TEST BOPE. INSTALL WEAR BUSHING, N/U FLOWLINE, AND CENETER STACK. P/U BHA AND TIH. DRILL SHOETRACK FROM 1,668' TO 1,715'. DRILL INTERMEDIATE FROM 1,781' TO 3,317'.		
Operations Next Report Period DRILL 12 1/4" INTERMEDIATE SECTION PER PLAN.		
Remarks NO ACCIDENTS/INCIDENTS REPORTED.		

Time Log of Operations						
Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Com
06:00	3.50	3.50	1,781.0	Pressure Test	BOP's	RIGGED UP TESTERS, TESTED STACK TO 250 LOW AND 5000 HIGH ON EVERYTING BESIDES THE HYDRILL WE WENT TO 3000 HIGH. ADDITIONAL TIME SPENT DUE TO WEATHER AND EXCESSIVE RAIN WATER FLOODING INTO THE CELLAR. WE HAD TO USE THE RIG VAC AND SUCK DOWN TO BE ABLE TO MONITOR THE CASING VALVE.
09:30	1.00	4.50	1,781.0	Install	Wear Bushing	RIGGED DOWN TESTERS AND INSTALLED WEAR BUSHING.
10:30	3.00	7.50	1,781.0	Nipple Up	BOP	NIPPLED UP FLOWLINE TO ROTATING HEAD, RIGGED UP 2" HOSES, INSTALLED TURNBUCKLES, INSTALLED MOUSE HOLE, CENTERED STACK, FINISHED MAKING UP FLOWLINE, AND TORQUED ROTATING HEAD BOLTS.
13:30	2.50	10.00	1,781.0	Pick up	BHA	PICKED UP INTERMEDIATE BHA.
16:00	0.50	10.50	1,781.0	Rig Service	.	RIG SERVICE
16:30	2.00	12.50	1,781.0	Trip In Hole	BHA	TIH TO 1,650' AND INSTALL ROTATING HEAD.
18:30	1.00	13.50	1,781.0	Drilling	Float & Shoe	DRILL CEMENT STRINGERS AND SHOETRACK FROM 1,650' TO 1,715'. FC @ 1,668, FS @ 1,715'. WASH TO 1,781'. FLOWRATE: 450 GPM, ROTARY: 30 RPM, WOB: 10-15 K, SPP: 850 PSI, DIFF: 200 PSI, TORQUE: 4-6 K
19:30	6.00	19.50	2,756.0	Drilling	Vertical	DRILL ROTATE FROM 1,781' TO 2,756', FLOWRATE: 800 GPM, ROTARY: 70 RPM, WOB: 30-35 K, SPP: 3100 PSI, DIFF: 600-800 PSI, TORQUE: 13-17 K
01:30	4.50	24.00	3,317.0	Drilling	Vertical	DRILL SLIDE / ROTATE FROM 2,756' TO 3,317', FLOWRATE: 800 GPM, ROTARY: 40-70 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 6000-800 PSI, TORQUE: 15-18 K REDUCED RPM THROUGH HARD STRINGERS. REDUCE ROTARY TO 35-45 THROUGH TRANSITION INTO YATES FORMATION.

Mud Volumes						
Active Vol (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Vol (bbl)	Additions (bbl)	Losses (bbl)	Hole Vol (bbl)

Jobs	
Job Category Drilling	Sum of Total Fld Est (C... 757,196.80
Total	Sum of Total Fld Est (C... 757,196.80
AFE Number D19281	AFE+Supp Amt (Cost) 8,362,100.00
Day Total (Cost) 93,741.25	Cum To Date (Cost) 757,196.80
Mud Field Est (Cost)	Cum Mud Field Est (Co...
Start Depth (ftKB) 1,781.0	End Depth (ftKB) 3,317.0
Depth Progress (ft) 1,536.00	Avg ROP (ft/hr) 146.3
Target Formation Devonian	Target Depth (ftKB) 19,100.0
Last Casing String	

Daily Contacts	
Job Contact	Mobile
Troy Carroll	903-386-9403
Bobby Israel	337-349-1063
Steve Brewer	918-448-7669

Mud Pumps			
1, Demco, F-1600			
Pump # 1	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Demco, F-1600			
Pump # 2	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

3, Demco, F-1600			
Pump # 3	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Wellbores		
Wellbore Name Original Hole		

Wellbore Sections		
Section Des Production	Size (in)	Act Top (ftKB)
Act Btm (ftKB)	Start Date	End Date
Section Des Conductor	Size (in) 24	Act Top (ftKB) 22.5
Act Btm (ftKB) 120.0	Start Date 12/26/2019	End Date 12/26/2019
Section Des Surface	Size (in) 17 1/2	Act Top (ftKB) 120.0
Act Btm (ftKB) 1,781.0	Start Date 3/2/2020	End Date 3/3/2020
Section Des Intermediate	Size (in) 12 1/4	Act Top (ftKB) 1,781.0
Act Btm (ftKB) 3,317.0	Start Date 3/3/2020	End Date

Kick Offs & Key Depths	
Type	Top Depth (ftKB)



Daily Drilling Report

Report #: 5.0 DFS To RR: 3.00

Well Name: UL B 3H

Acquisition: Midland Farms

Mud Checks									
Date	Type	Fluid Category			Mud Company		Comment		
3/5/2020	Salt Base				AES				
Depth (ftKB)	Depth (TVD...)	Dens (lb/gal)	Wellbore		H2O (%)	Oil (%)	Oil Water Ratio	T Flowline (...)	T BH (°F)
2,436.0	2,428.3	10.00	Original Hole		88.8	0.0	0/100	74.0	
MBT (lb/bbl)		pH	Temp pH (°F)		Alkalinity (mL/mL)		Electric Stab (V)		
		10.5			3.6				
Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	n Override	K Override	ECD - Manual E...		
30	1.0	2.000	1.000	1.000					
Solids (%)	Corrected Solids...	LGS (%)	HGS (%)	CaCl (ppm)	Calcium (mg/L)	Lime (lb/bbl)	Chlorides (mg/L)		
11.2	11.2	1.0			1,600.000	0.2	173,000.000		
Filtrate (mL/30min)	Filter Cake (1/32")		HTHP Filtrate (mL/30min)		HTHP Filter Cake (1/32")				
200.0	2								

Drill Strings			
BHA #2, Intermediate			
Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in²)
2	12 1/4in, XS716S, JV2166	-----	1.73
Nozzles (1/32")		String Length (ft)	String Wt (1000lb)
15/15/15/15/15/15/15/15/15		3,317.36	133
		BHA ROP (ft/hr)	
		146.3	

Drill String Components						
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread	
Drill Pipe	63	5	4.28	1,987.00	IF	
HWDP	30	6 1/2	2.88	913.41	IF	
XO Sub	1	6 9/16	2.88	3.63	IF	
Drill Collar	9	6 3/4	2.88	272.24	XH	
XO Sub	1	6 3/4	2.88	4.09	XH	
Drill Collar	2	8	2.88	61.66	Reg	
Stabilizer	1	11 3/4	2.88	6.52	Reg	
NMDC	1	7 15/16	3.25	30.62	Reg	
Orientation Sub	1	7 15/16	3.00	2.53	Reg	
Stabilizer	1	11 3/4	2.88	4.94	Reg	
Mpact 7 3/4 6/7 4.0 1.5° adj 0.18 RPG	1	8	1.50	29.22	Reg	

Drilling Parameters							
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
Original Hole	1,781.0	3,317.0	1,536.00	10.50	10.50	146.3	800
WOB (1000lb)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lb)	SO Str Wt (1000lb)	Drilling Torque	Off Btm Tq
42	70	3,300.0	140	140	135	17.0	4.5

Hydraulic Calculations				
Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A wellbore section contains a null Size value

Safety Incidents						
Time	Category	Type	Subtype	Cause	Lost time?	Severity

Safety JSA's					
Date	Type	Tour	Description	Comment	Last Mod By

Daily Costs					
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)	
Contract Drilling-Daywork	Orion	322	125	19,100.00	
Surface Rental Equipment	BOS Solutions Inc	322	142	1,200.00	
Office, Sewage & Misc Rentals	Oil Patch Group Inc	322	155	550.00	
Water Transfer/Frac Pit	Water Fleet LLC	322	135	800.00	
Supervision - Contract	Consulting Firms	322	212	7,800.00	
Drlstring/Wrkstring Rental Eq	Oil Patch Group Inc	322	151	300.00	
Mud & Chemicals / Facility Fluids & Chemicals	AES Drilling Fluids LLC	322	141	5,155.91	
Directional Tools & Services	MS Directional LLC	322	152	14,981.00	
Directional Tools & Services	Slider	322	152	580.00	
Monitoring Equipment	National Oilwell Varco -NOV - SEE Tuboscope and/or DNOW, The Well Site Services, Drilling and Inter	322	156	525.00	
Monitoring Equipment	Moblize (AKM Enterprise Inc)	322	156	300.00	
Water/Water Well	Swiftwater Energy Services LLC	322	133	165.00	
Surface Rental Equipment	TwoPro Energy Services LLC	322	142	11,250.00	
Well Control Rentals	TwoPro Energy Services LLC	322	154	200.00	



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Daily Costs					
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)	
Well Control Rentals	B.O.P. RAM-Block and Iron Rentals Inc	322	154	265.00	
Well Control Rentals	Seaboard International Inc (Weir Seaboard)	322	154	200.00	
Well Control Rentals	Cutter Drilling Systems SEE Premium Oilfield Technologies	322	154	150.00	
Wellhead Equipment	Seaboard International Inc (Weir Seaboard)	323	331	4,104.34	
Bop/Wellhead Testing	Lone Star Hydrostatic LLC	322	242	7,850.00	
Office, Sewage & Misc Rentals	C-Star Cleaning	322	155	450.00	
Inspection & Testing/Misc Labr	Chris Burns Welding	322	241	680.00	
Mud & Chemicals / Facility Fluids & Chemicals	Tejas Trucking Inc	322	141	135.00	
Bits & Mud Motors	Schlumberger Technology Corporation	322	171	17,000.00	
Total				93,741.25	

Casing Strings								
Csg Des	Set Depth (ftKB)	Run Date	Prop Run?	Wellbore	Pick Up Date	On Bottom Date	Centralizers	Top (ftKB)
Production			Yes	Original Hole				
Intermediate			Yes	Original Hole				
Conductor	120.0	12/26/2019	Yes	Original Hole				25.0
Surface	1,715.0	3/3/2020	Yes	Original Hole				24.7

Cement				
Intermediate Casing Cement, Casing, <dtmstart>				
Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Production Casing Cement, Casing, <dtmstart>				
Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Conductor Cement, Casing, 12/26/2019 12:30				
Type Casing	Cementing Start Date 12/26/2019	Cementing End Date 12/26/2019	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method Returns to Surface	Cement Evaluation Results		
Comment				

Cement Stages						
Stg #	Description	Objective	Comment			
1	Conductor Cement			
Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Top Plug?	Bottom Plug?	Cement Volume Return (bbl)	
22.5	120.0	Yes	No	No	50.0	
Plug Bump Pressure (psi)	Recip?	Pipe Rotated?	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date	
100.0	No	No				

Surface Casing Cement, Casing, 3/3/2020 16:30				
Type Casing	Cementing Start Date 3/3/2020	Cementing End Date 3/3/2020	Wellbore Original Hole	String Table Casing String
Cementing Company Halliburton Energy Services	Evaluation Method Returns to Surface	Cement Evaluation Results		
SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.				
Comment				
SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.				



Daily Drilling Report

Report #: 5.0 DFS To RR: 3.00

Well Name: UL B 3H

Acquisition: Midland Farms

Cement Stages						
Stg #	Description	Objective	Comment			
1	Surface Casing Cement	Cement Surface Casing	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.			
Top Depth (ftKB) 24.7	Bottom Depth (ftKB) 1,715.0	Full Return? Yes	Top Plug? Yes	Bottom Plug? No	Cement Volume Return (bbl) 170.0	
Plug Bump Pressure (psi) 1,100.0	Recip? No	Pipe Rotated? No	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date	

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Well Name: UL B 3H

Daily Drilling Report

Report #: 6.0 DFS To RR: 4.00

Acquisition: Midland Farms

Well Header					
API/UWI 42-003-48221	Surface Legal Location UL 264		Lease UL B 3H		State/Province Texas
Previous Rig Release	Spud Date 3/2/2020	Rig Start Date 2/23/2020	Rig Release Date	Date TD Reached (wellbore)	
Contractor Orion	Rig Number Aries 18	Rig Supervisor Alfredo Gomez	Rig Rate (ref) (Cost/day) 19,100.00	KB-Ground Distance (ft) 22.50	

Daily Report					
Report Start Date 3/5/2020	Cum Rig Time... 98.50	Avg ROP (ft/hr) 100.5	Last Phase Drilling, Intermediate	Proj Phase Cost (ML) (Cost) 308,745.60	Projected Job Cost (ML) (Cost) 899,219.24
Operations 24 Hour Summary DRILL INTERMEDIATE FROM 3,317' TO 5,679'.					
Operations Next Report Period DRILL 12 1/4" INTERMEDIATE SECTION PER PLAN.					
Remarks NO ACCIDENTS/INCIDENTS REPORTED.					

Time Log of Operations						
Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Com
06:00	5.25	5.25	4,079.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 3,317' TO 4,079', 762' @ 145 FT/HR FLOWRATE: 800 - 700 GPM, ROTARY: 40-70 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K REDUCED RPM THROUGH HARD STRINGERS. REDUCE ROTARY TO 35-45 THROUGH TRANSITION INTO YATES FORMATION.
11:15	0.75	6.00	4,124.0	Drilling	Slide	Drilling, Intermediate DRILL SLIDE FROM 4,079' TO 4,124", 45' @ 60 FT/HR FLOWRATE: 700 GPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI,
12:00	5.00	11.00	4,544.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 4,124' TO 4,544', 420' @ 84 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K REDUCED RPM THROUGH HARD STRINGERS. REDUCE ROTARY TO 35-45 THROUGH TRANSITION INTO YATES FORMATION.
17:00	0.50	11.50	4,544.0	LUBRICATE RIG	.	Drilling, Intermediate RIG SERVICE
17:30	4.50	16.00	5,027.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 4,544' TO 5,027', 483' @ 107.3 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K MAINTAINED ROTARY AT 40 RPM WHILE DRILLING SAN ANDRES FORMATION AND INCREASED BIT WEIGHT AS NEEDED TO MAINTAIN DIFF PRESSURE.
22:00	0.75	16.75	5,051.0	Drilling	Slide	Drilling, Intermediate DRILL SLIDE FROM 5,027' TO 5,051", 24' @ 32 FT/HR FLOWRATE: 700 GPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI,
22:45	2.75	19.50	5,311.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 5,051' TO 5,311', 260' @ 94.5 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K
01:30	0.75	20.25	5,346.0	Drilling	Slide	Drilling, Intermediate DRILL SLIDE FROM 5,311' TO 5,3146', 35' @ 46.7 FT/HR FLOWRATE: 700 GPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI,

Jobs	
Job Category Drilling	Sum of Total Fld Est (C... 799,117.50
Total	Sum of Total Fld Est (C... 799,117.50
AFE Number D19281	AFE+Supp Amt (Cost) 8,362,100.00
Day Total (Cost) 41,045.70	Cum To Date (Cost) 799,117.50
Mud Field Est (Cost)	Cum Mud Field Est (Co...
Start Depth (ftKB) 3,317.0	End Depth (ftKB) 5,679.0
Depth Progress (ft) 2,362.00	Avg ROP (ft/hr) 100.5
Target Formation Devonian	Target Depth (ftKB) 19,100.0
Last Casing String	

Daily Contacts	
Job Contact	Mobile
Troy Carroll	903-386-9403
Bobby Israel	337-349-1063
Steve Brewer	918-448-7669

Mud Pumps			
1, Demco, F-1600			
Pump # 1	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Demco, F-1600			
Pump # 2	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

3, Demco, F-1600			
Pump # 3	Pwr (hp) 1,600.0	Rod Dia (in) 5	
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Wellbores		
Wellbore Name Original Hole		
Wellbore Sections		
Section Des Production	Size (in)	Act Top (ftKB)
Act Btm (ftKB)	Start Date	End Date
Section Des Conductor	Size (in) 24	Act Top (ftKB) 22.5
Act Btm (ftKB) 120.0	Start Date 12/26/2019	End Date 12/26/2019
Section Des Surface	Size (in) 17 1/2	Act Top (ftKB) 120.0
Act Btm (ftKB) 1,781.0	Start Date 3/2/2020	End Date 3/3/2020
Section Des Intermediate	Size (in) 12 1/4	Act Top (ftKB) 1,781.0
Act Btm (ftKB) 5,679.0	Start Date 3/3/2020	End Date

Kick Offs & Key Depths	
Type	Top Depth (ftKB)



Well Name: UL B 3H

Daily Drilling Report

Report #: 6.0 DFS To RR: 4.00

Acquisition: Midland Farms

Time Log of Operations

Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Phase	Com
02:15	3.75	24.00	5,679.0	Drilling	.	Drilling, Intermediate	DRILL ROTATE FROM 5,346' TO 5,679', 333' @ 88.8 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K

Mud Volumes

Active Vol (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Vol (bbl)	Additions (bbl)	Losses (bbl)	Hole Vol (bbl)

Mud Checks

Date	Type	Fluid Category	Mud Company	Comment				
3/6/2020	Salt Base		AES					
Depth (ftKB)	Depth (TVD...)	Dens (lb/gal)	Wellbore	H2O (%)	Oil (%)	Oil Water Ratio	T Flowline (...)	T BH (°F)
5,198.0	5,170.4	10.00	Original Hole	88.8	0.0	0/100	80.0	102.0
MBT (lb/bbl)	pH	Temp pH (°F)	Alkalinity (mL/mL)	Electric Stab (V)				
	10.0		0.3					
Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	n Override	K Override	ECD - Manual E...	
30	1.0	1.000	1.000	1.000				
Solids (%)	Corrected Solids...	LGS (%)	HGS (%)	CaCl (ppm)	Calcium (mg/L)	Lime (lb/bbl)	Chlorides (mg/L)	
11.2	11.2	0.3			1,960.000	0.1	183,000.000	
Filtrate (mL/30min)	Filter Cake (1/32")	HTHP Filtrate (mL/30min)	HTHP Filter Cake (1/32")					
200.0	2							

Drill Strings

BHA #2, Intermediate			
Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in²)
2	12 1/4in, XS716S, JV2166	-----	1.73
Nozzles (1/32")	String Length (ft)	String Wt (1000lb)	BHA ROP (ft/hr)
15/15/15/15/15/15/15/15	5,679.00	179	114.6

Drill String Components

Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	138	5	4.28	4,348.64	IF
HWDP	30	6 1/2	2.88	913.41	IF
XO Sub	1	6 9/16	2.88	3.63	IF
Drill Collar	9	6 3/4	2.88	272.24	XH
XO Sub	1	6 3/4	2.88	4.09	XH
Drill Collar	2	8	2.88	61.66	Reg
Stabilizer	1	11 3/4	2.88	6.52	Reg
NMDC	1	7 15/16	3.25	30.62	Reg
Orientation Sub	1	7 15/16	3.00	2.53	Reg
Stabilizer	1	11 3/4	2.88	4.94	Reg
Mpact 7 3/4 6/7 4.0 1.5° adj 0.18 RPG	1	8	1.50	29.22	Reg

Drilling Parameters

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
Original Hole	3,317.0	5,679.0	3,898.00	23.50	34.00	100.5	700
WOB (1000lb)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lb)	SO Str Wt (1000lb)	Drilling Torque	Off Btm Tq
38	40	3,100.0	196	204	185	17.0	5.0

Hydraulic Calculations

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A wellbore section contains a null Size value

Safety Incidents

Time	Category	Type	Subtype	Cause	Lost time?	Severity

Safety JSA's

Date	Type	Tour	Description	Comment	Last Mod By

Daily Costs

Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)
Contract Drilling-Daywork	Orion	322	125	19,100.00
Surface Rental Equipment	BOS Solutions Inc	322	142	1,200.00
Office, Sewage & Misc Rentals	Oil Patch Group Inc	322	155	550.00
Water Transfer/Frac Pit	Water Fleet LLC	322	135	800.00
Drilstring/Wrkstring Rental Eq	Oil Patch Group Inc	322	151	300.00
Mud & Chemicals / Facility Fluids & Chemicals	AES Drilling Fluids LLC	322	141	4,975.70
Directional Tools & Services	MS Directional LLC	322	152	8,575.00



Well Name: UL B 3H

Daily Drilling Report

Report #: 6.0 DFS To RR: 4.00

Acquisition: Midland Farms

Daily Costs					
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)	
Directional Tools & Services	Slider	322	152	580.00	
Monitoring Equipment	National Oilwell Varco -NOV - SEE Tuboscope and/or DNOW, The Well Site Services, Drilling and Inter	322	156	525.00	
Monitoring Equipment	Moblize (AKM Enterprise Inc)	322	156	300.00	
Water/Water Well	Swiftwater Energy Services LLC	322	133	165.00	
Surface Rental Equipment	TwoPro Energy Services LLC	322	142	1,250.00	
Well Control Rentals	TwoPro Energy Services LLC	322	154	200.00	
Well Control Rentals	B.O.P. RAM-Block and Iron Rentals Inc	322	154	265.00	
Well Control Rentals	Seaboard International Inc (Weir Seaboard)	322	154	200.00	
Well Control Rentals	Cutter Drilling Systems SEE Premium Oilfield Technologies	322	154	150.00	
Offsite Disposal	Tejas Trucking Inc	322	132	1,910.00	
Total				41,045.70	

Casing Strings								
Csg Des	Set Depth (ftKB)	Run Date	Prop Run?	Wellbore	Pick Up Date	On Bottom Date	Centralizers	Top (ftKB)
Production			Yes	Original Hole				
Intermediate			Yes	Original Hole				
Conductor	120.0	12/26/2019	Yes	Original Hole				25.0
Surface	1,715.0	3/3/2020	Yes	Original Hole				24.7

Cement				
Intermediate Casing Cement, Casing, <dtmstart>				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing			Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches				
Comment				

Production Casing Cement, Casing, <dtmstart>				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing			Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches				
Comment				

Conductor Cement, Casing, 12/26/2019 12:30				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing	12/26/2019	12/26/2019	Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Butches	Returns to Surface			
Comment				

Cement Stages						
Stg #	Description	Objective	Comment			
1	Conductor Cement			
Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Top Plug?	Bottom Plug?	Cement Volume Return (bbl)	
22.5	120.0	Yes	No	No	50.0	
Plug Bump Pressure (psi)	Recip?	Pipe Rotated?	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date	
100.0	No	No				

Surface Casing Cement, Casing, 3/3/2020 16:30				
Type	Cementing Start Date	Cementing End Date	Wellbore	String Table
Casing	3/3/2020	3/3/2020	Original Hole	Casing String
Cementing Company	Evaluation Method	Cement Evaluation Results		
Halliburton Energy Services	Returns to Surface	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		
Comment				
SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.				



Daily Drilling Report

Report #: 6.0 DFS To RR: 4.00

Well Name: UL B 3H

Acquisition: Midland Farms

Cement Stages						
Stg #	Description	Objective	Comment			
1	Surface Casing Cement	Cement Surface Casing	SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.			
Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Top Plug?	Bottom Plug?	Cement Volume Return (bbl)	
24.7	1,715.0	Yes	Yes	No	170.0	
Plug Bump Pressure (psi)	Recip?	Pipe Rotated?	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date	
1,100.0	No	No				

Attachments		
Description	Date	URL/File Name



Well Name: UL B 3H

Daily Drilling Report

Report #: 7.0 DFS To RR: 5.00

Acquisition: Midland Farms

Well Header				
API/UWI 42-003-48221	Surface Legal Location UL 264		Lease UL B 3H	
Previous Rig Release		Spud Date 3/2/2020	Rig Start Date 2/23/2020	Rig Release Date
Contractor Orion		Rig Number Aries 18	Rig Supervisor Alfredo Gomez	Rig Rate (ref) (Cost/day) 19,100.00
Date TD Reached (wellbore) 22.50				

Daily Report				
Report Start Date 3/6/2020	Cum Rig Time... 122.50	Avg ROP (ft/hr) 64.8	Last Phase Drilling, Intermediate	Proj Phase Cost (ML) (Cost) 375,435.24
Projected Job Cost (ML) (Cost) 968,116.92				
Operations 24 Hour Summary DRILL INTERMEDIATE FROM 5,679' TO 7,235'.				
Operations Next Report Period DRILL 12 1/4" INTERMEDIATE SECTION PER PLAN.				
Remarks NO ACCIDENTS/INCIDENTS REPORTED.				

Time Log of Operations						
Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Com
06:00	1.75	1.75	5,876.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 5,679' TO 5,876', 197' @ 113 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K
07:45	1.00	2.75	5,901.0	Drilling	Slide	Drilling, Intermediate DRILL SLIDE FROM 5,876' TO 5,901', 15' @ 15 FT/HR FLOWRATE: 700 GPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI,
08:45	9.25	12.00	6,420.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 5,901' TO 6,420', 519' @ 56 FT/HR FLOWRATE: 700 GPM, ROTARY: 40 RPM, WOB: 30-40 K, SPP: 3,100 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K
18:00	9.75	21.75	7,107.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 6,420' TO 7,107', 687' @ 70.5 FT/HR FLOWRATE: 700 GPM, ROTARY: 50-60 RPM, WOB: 35-40 K, SPP: 2,900 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K
03:45	0.75	22.50	7,129.0	Drilling	Slide	Drilling, Intermediate DRILL SLIDE FROM 7,107' TO 7,129', 22' @ 29.3 FT/HR FLOWRATE: 700 GPM, WOB: 30-40 K, SPP: 2,900 PSI, DIFF: 600-800 PSI,
04:30	1.50	24.00	7,235.0	Drilling	.	Drilling, Intermediate DRILL ROTATE FROM 7,129' TO 7,235', 106' @ 70.7 FT/HR FLOWRATE: 700 GPM, ROTARY: 50-60 RPM, WOB: 35-40 K, SPP: 2,900 PSI, DIFF: 600-800 PSI, TORQUE: 15-18 K

Mud Volumes						
Active Vol (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Vol (bbl)	Additions (bbl)	Losses (bbl)	Hole Vol (bbl)

Mud Checks									
Date 3/7/2020	Type Water Base	Fluid Category		Mud Company AES		Comment			
Depth (ftKB) 6,805.0	Depth (TVD...) 6,770.2	Dens (lb/gal) 10.10	Wellbore Original Hole	H2O (%) 88.1	Oil (%) 0.0	Oil Water Ratio 0/100	T Flowline (...) 85.0	T BH (°F) 124.0	
MBT (lb/bbl)	pH 10.0	Temp pH (°F)		Alkalinity (mL/mL)		Electric Stab (V)			
Vis (s/qt) 36	PV Override (cP) 10.0	YP OR (lb/100ft²) 7.000	Gel (10m) (lb/10...) 3.000	Gel (30m) (lb/10...) 3.000	n Override	K Override	ECD - Manual E...		
Solids (%) 11.9	Corrected Solids... 11.9	LGS (%) 1.4	HGS (%)	CaCl (ppm) 480.000	Calcium (mg/L) 480.000	Lime (lb/bbl) 0.1	Chlorides (mg/L) 180,000.000		
Filtrate (mL/30min) 12.0	Filter Cake (1/32") 2		HTHP Filtrate (mL/30min)		HTHP Filter Cake (1/32")				

Drill Strings			
BHA #2, Intermediate			
Bit Run 2	Drill Bit 12 1/4in, XS716S, JV2166	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.73
Nozzles (1/32") 15/15/15/15/15/15/15/15/15		String Length (ft) 7,235.00	String Wt (1000lb) 210
		BHA ROP (ft/hr) 94.0	

Jobs	
Job Category Drilling	Sum of Total Fld Est (C...) 865,807.14
Total	Sum of Total Fld Est (C...) 865,807.14
AFE Number D19281	AFE+Supp Amt (Cost) 8,362,100.00
Day Total (Cost) 62,764.23	Cum To Date (Cost) 865,807.14
Mud Field Est (Cost)	Cum Mud Field Est (Co...)
Start Depth (ftKB) 5,679.0	End Depth (ftKB) 7,235.0
Depth Progress (ft) 1,556.00	Avg ROP (ft/hr) 64.8
Target Formation Devonian	Target Depth (ftKB) 19,100.0
Last Casing String	

Daily Contacts	
Job Contact	Mobile
Troy Carroll	903-386-9403
Steve Brewer	918-448-7669

Mud Pumps		
1, Demco, F-1600		
Pump # 1	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b...) 0.069
P (psi)	Slow Spd	Strokes (s...) Eff (%)

2, Demco, F-1600		
Pump # 2	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b...) 0.069
P (psi)	Slow Spd	Strokes (s...) Eff (%)

3, Demco, F-1600		
Pump # 3	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b...) 0.069
P (psi)	Slow Spd	Strokes (s...) Eff (%)

Wellbores		
Wellbore Name Original Hole		

Wellbore Sections		
Section Des Production	Size (in)	Act Top (ftKB)
Act Btm (ftKB)	Start Date	End Date
120.0	12/26/2019	12/26/2019
Section Des Conductor	Size (in) 24	Act Top (ftKB) 22.5
Act Btm (ftKB)	Start Date	End Date
1,781.0	3/2/2020	3/3/2020
Section Des Intermediate	Size (in) 12 1/4	Act Top (ftKB) 1,781.0
Act Btm (ftKB)	Start Date	End Date
7,235.0	3/3/2020	

Kick Offs & Key Depths	
Type	Top Depth (ftKB)



Well Name: UL B 3H

Daily Drilling Report

Report #: 7.0 DFS To RR: 5.00

Acquisition: Midland Farms

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	187	5	4.28	5,904.64	IF
HWDP	30	6 1/2	2.88	913.41	IF
XO Sub	1	6 9/16	2.88	3.63	IF
Drill Collar	9	6 3/4	2.88	272.24	XH
XO Sub	1	6 3/4	2.88	4.09	XH
Drill Collar	2	8	2.88	61.66	Reg
Stabilizer	1	11 3/4	2.88	6.52	Reg
NMDC	1	7 15/16	3.25	30.62	Reg
Orientation Sub	1	7 15/16	3.00	2.53	Reg
Stabilizer	1	11 3/4	2.88	4.94	Reg
Mpact 7 3/4 6/7 4.0 1.5° adj 0.18 RPG	1	8	1.50	29.22	Reg

Drilling Parameters							
Wellbore Original Hole	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
	5,679.0	7,235.0	5,454.00	24.00	58.00	64.8	700
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Btm Tq
38	55	2,900.0	221	238	212	19.0	6.0

Hydraulic Calculations				
Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error
A wellbore section contains a null Size value

Safety Incidents						
Time	Category	Type	Subtype	Cause	Lost time?	Severity

Safety JSA's					
Date	Type	Tour	Description	Comment	Last Mod By

Daily Costs					
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)	
Contract Drilling-Daywork	Orion	322	125	19,100.00	
Surface Rental Equipment	BOS Solutions Inc	322	142	1,200.00	
Office, Sewage & Misc Rentals	Oil Patch Group Inc	322	155	550.00	
Water Transfer/Frac Pit	Water Fleet LLC	322	135	800.00	
Drlstring/Wrkstring Rental Eq	Oil Patch Group Inc	322	151	300.00	
Mud & Chemicals / Facility Fluids & Chemicals	AES Drilling Fluids LLC	322	141	14,440.51	
Directional Tools & Services	MS Directional LLC	322	152	8,575.00	
Directional Tools & Services	Slider	322	152	580.00	
Monitoring Equipment	National Oilwell Varco -NOV - SEE Tuboscope and/or DNOW, The Well Site Services, Drilling and Inter	322	156	525.00	
Monitoring Equipment	Moblize (AKM Enterprise Inc)	322	156	300.00	
Water/Water Well	Swiftwater Energy Services LLC	322	133	165.00	
Surface Rental Equipment	TwoPro Energy Services LLC	322	142	1,250.00	
Well Control Rentals	TwoPro Energy Services LLC	322	154	200.00	
Well Control Rentals	B.O.P. RAM-Block and Iron Rentals Inc	322	154	265.00	
Well Control Rentals	Seaboard International Inc (Weir Seaboard)	322	154	200.00	
Well Control Rentals	Cutter Drilling Systems SEE Premium Oilfield Technologies	322	154	150.00	
Fuel	Frontier Tank Lines Inc	322	131	14,163.72	
Total				62,764.23	

Casing Strings								
Csg Des	Set Depth (ftKB)	Run Date	Prop Run?	Wellbore	Pick Up Date	On Bottom Date	Centralizers	Top (ftKB)
Production			Yes	Original Hole				
Intermediate			Yes	Original Hole				
Conductor	120.0	12/26/2019	Yes	Original Hole				25.0
Surface	1,715.0	3/3/2020	Yes	Original Hole				24.7



Daily Drilling Report

Well Name: UL B 3H

Report #: 7.0 DFS To RR: 5.00

Acquisition: Midland Farms

Cement

Intermediate Casing Cement, Casing, <dtmstart>

Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Production Casing Cement, Casing, <dtmstart>

Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Conductor Cement, Casing, 12/26/2019 12:30

Type Casing	Cementing Start Date 12/26/2019	Cementing End Date 12/26/2019	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method Returns to Surface	Cement Evaluation Results		
Comment				

Cement Stages

Stg # 1	Description Conductor Cement	Objective ..	Comment ..		
Top Depth (ftKB) 22.5	Bottom Depth (ftKB) 120.0	Full Return? Yes	Top Plug? No	Bottom Plug? No	Cement Volume Return (bbl) 50.0
Plug Bump Pressure (psi) 100.0	Recip? No	Pipe Rotated? No	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date

Surface Casing Cement, Casing, 3/3/2020 16:30

Type Casing	Cementing Start Date 3/3/2020	Cementing End Date 3/3/2020	Wellbore Original Hole	String Table Casing String
Cementing Company Halliburton Energy Services	Evaluation Method Returns to Surface	Cement Evaluation Results SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		

Comment
SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.

Cement Stages

Stg # 1	Description Surface Casing Cement	Objective Cement Surface Casing	Comment SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		
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Top Depth (ftKB) 24.7	Bottom Depth (ftKB) 1,715.0	Full Return? Yes	Top Plug? Yes	Bottom Plug? No	Cement Volume Return (bbl) 170.0
Plug Bump Pressure (psi) 1,100.0	Recip? No	Pipe Rotated? No	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date

Attachments

Description	Date	URL/File Name
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Well Name: UL B 3H

Daily Drilling Report

Report #: 13.0

DFS To RR: 10.95

Acquisition: Midland Farms

Well Header					
API/UWI 42-003-48221	Surface Legal Location UL 264		Lease UL B 3H		State/Province Texas
Previous Rig Release	Spud Date 3/2/2020	Rig Start Date 2/23/2020	Rig Release Date	Date TD Reached (wellbore) 3/22/2020	
Contractor Orion	Rig Number Aries 18	Rig Supervisor Brian Turner	Rig Rate (ref) (Cost/day) 19,100.00	KB-Ground Distance (ft) 22.50	

Daily Report					
Report Start Date 3/12/2020	Cum Rig Time... 266.50	Avg ROP (ft/hr) 55.0	Last Phase Drilling, Intermediate	Proj Phase Cost (ML) (Cost) 773,016.62	Projected Job Cost (ML) (Cost) 1,387,222.02
Operations 24 Hour Summary DRILL 12 1/4" INTERMEDIATE SECTION PER PLAN. CIRCULATE. WIPER TRIP. CIRCULATE.					
Operations Next Report Period TRIP OUT OF HOLE TO RUN CASING.					
Remarks NO ACCIDENTS/INCIDENTS REPORTED. NOTIFIED RRC OF INTERMEDIATE CASING RUN. JOB # 215384.					

Time Log of Operations							
Start Time	Dur (hr)	Cum Dur (hr)	End Depth (ftKB)	Code 1	Code 2	Phase	Com
06:00	11.00	11.00	10,300.0	Drilling	Vertical	Drilling, Intermediate	DRILL ROTATE FROM 9,695' TO 10,300', 605' @ 55 FT/HR FLOWRATE: 700 GPM, ROTARY: 50-65 RPM, WOB: 30-35 K, SPP: 4,000 PSI, DIFF: 600-800 PSI, TORQUE: 14-17 K PUMPING LCM SWEEPS EVERY STAND AND AS NEEDED OR SEEPAGE 10-20 BPH. 100% LIME AT 10,180' MD.
17:00	0.50	11.50	10,300.0	Rig Service	.	Drilling, Intermediate	RIG SERVICE.
17:30	2.00	13.50	10,300.0	Circulate Well Clean	.	Drilling, Intermediate	CIRCULATE. PUMP HI VIS LCM PILL.
19:30	6.00	19.50	10,300.0	Wiper Trip	.	Drilling, Intermediate	WIPER TRIP 56 STAND TO 5000'.
01:30	3.00	22.50	10,300.0	Circulate and Condition	.	Drilling, Intermediate	CIRCULATE AND CONDITON DRILLING FLUID TO RUN CASING. PUMP LCM PILL AND HI VIS LCM PILL.
04:30	1.50	24.00	10,300.0	Trip Out Of Hole	BHA	Drilling, Intermediate	PULL OUT OF HOLE TO RUN CASING.

Mud Volumes						
Active Vol (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Vol (bbl)	Additions (bbl)	Losses (bbl)	Hole Vol (bbl)

Mud Checks									
Date	Type	Fluid Category		Mud Company		Comment			
Depth (ftKB)	Depth (TVD...)	Dens (lb/gal)	Wellbore	H2O (%)	Oil (%)	Oil Water Ratio	T Flowline (...)	T BH (°F)	
MBT (lb/bbl)	pH	Temp pH (°F)		Alkalinity (mL/mL)		Electric Stab (V)			
Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	Gel (10m) (lb/10...)	Gel (30m) (lb/10...)	n Override	K Override	ECD - Manual E...		
Solids (%)	Corrected Solids...	LGS (%)	HGS (%)	CaCl (ppm)	Calcium (mg/L)	Lime (lb/bbl)	Chlorides (mg/L)		
Filtrate (mL/30min)	Filter Cake (1/32")		HTHP Filtrate (mL/30min)		HTHP Filter Cake (1/32")				

Drill Strings					
BHA #4, Intermediate					
Bit Run 4	Drill Bit 12 1/4in, XS716S, JV1135	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.73		
Nozzles (1/32") 15/15/15/15/15/15/15/15/15		String Length (ft) 9,695.00	String Wt (1000lb) 260	BHA ROP (ft/hr) 51.1	

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Pipe	235	5	4.28	7,402.13	IF
Agitator	1	6 3/4	2.88	25.47	IF
Drill Pipe	30	5	4.28	945.10	IF
HWDP	30	6 1/2	2.88	913.41	IF
XO Sub	1	6 9/16	2.88	3.63	IF
Drill Collar	9	6 3/4	2.88	272.24	XH
XO Sub	1	6 3/4	2.88	4.09	XH

Jobs	
Job Category Drilling	Sum of Total Fld Est (C... 1,283,711.30
Total	Sum of Total Fld Est (C... 1,283,711.30
AFE Number D19281	AFE+Supp Amt (Cost) 8,362,100.00
Day Total (Cost) 46,909.95	Cum To Date (Cost) 1,283,711.30
Mud Field Est (Cost)	Cum Mud Field Est (Co...
Start Depth (ftKB) 9,695.0	End Depth (ftKB) 10,300.0
Depth Progress (ft) 605.00	Avg ROP (ft/hr) 55.0
Target Formation Devonian	Target Depth (ftKB) 19,100.0
Last Casing String	

Daily Contacts	
Job Contact	Mobile
David Montz	832-646-5801
Steve Brewer	918-448-7669

Mud Pumps		
1, Demco, F-1600		
Pump # 1	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Demco, F-1600		
Pump # 2	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

3, Demco, F-1600		
Pump # 3	Pwr (hp) 1,600.0	Rod Dia (in) 5
Liner Size (in) 5	Stroke (in) 12.00	Vol/Stk OR (b... 0.069
P (psi)	Slow Spd	Strokes (s... Eff (%)

Wellbores		
Wellbore Name Original Hole		
Wellbore Sections		
Section Des Conductor	Size (in) 24	Act Top (ftKB) 22.5
Act Btm (ftKB) 120.0	Start Date 12/26/2019	End Date 12/26/2019
Section Des Surface	Size (in) 17 1/2	Act Top (ftKB) 120.0
Act Btm (ftKB) 1,781.0	Start Date 3/2/2020	End Date 3/3/2020
Section Des Intermediate	Size (in) 12 1/4	Act Top (ftKB) 1,781.0
Act Btm (ftKB) 10,300.0	Start Date 3/3/2020	End Date 3/14/2020
Section Des Production	Size (in) 8 3/4	Act Top (ftKB) 10,330.0
Act Btm (ftKB) 18,100.0	Start Date 3/14/2020	End Date 3/22/2020

Kick Offs & Key Depths	
Type	Top Depth (ftKB)



Well Name: UL B 3H

Daily Drilling Report

Report #: 13.0 DFS To RR: 10.95

Acquisition: Midland Farms

Drill String Components					
Item Des	Jts	OD (in)	ID (in)	Len (ft)	Top Thread
Drill Collar	2	8	2.88	61.66	Reg
NMDC	1	8	3.25	30.49	Reg
Orientation Sub	1	7 7/8	3.00	2.37	Reg
Float Sub	1	7 15/16	2.75	4.00	Reg
Mpact 7 3/4 6/7 4.0 1.5° adj 0.18 RPG	1	8	1.50	28.91	Reg

Drilling Parameters							
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
Original Hole	9,695.0	10,300.0	920.00	11.00	18.00	55.0	700
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Btm Tq
35	60	4,000.0	270	285	260	17.0	9.0

Hydraulic Calculations				
Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
63.3	0.5	130.1	154.9	4
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)
0.0	199.4	0.0	31.1	

Error
Unable to calculate ECD because unable to interpolate TVD

Safety Incidents						
Time	Category	Type	Subtype	Cause	Lost time?	Severity

Safety JSA's					
Date	Type	Tour	Description	Comment	Last Mod By

Daily Costs					
Cost Des	Vendor	Code 1	Code 2	Sum of Field Est (Cost)	
Contract Drilling-Daywork	Orion	322	125	19,100.00	
Surface Rental Equipment	BOS Solutions Inc	322	142	3,200.00	
Office, Sewage & Misc Rentals	Oil Patch Group Inc	322	155	550.00	
Water Transfer/Frac Pit	Water Fleet LLC	322	135	800.00	
Drlstring/Wrkstring Rental Eq	Oil Patch Group Inc	322	151	300.00	
Mud & Chemicals / Facility Fluids & Chemicals	AES Drilling Fluids LLC	322	141	5,489.95	
Directional Tools & Services	MS Directional LLC	322	152	8,800.00	
Directional Tools & Services	Slider	322	152	580.00	
Monitoring Equipment	Allen's Casing Crew SEE Frank's International	322	156	525.00	
Monitoring Equipment	Moblize (AKM Enterprise Inc)	322	156	300.00	
Water/Water Well	Swiftwater Energy Services LLC	322	133	165.00	
Surface Rental Equipment	TwoPro Energy Services LLC	322	142	1,250.00	
Well Control Rentals	TwoPro Energy Services LLC	322	154	200.00	
Well Control Rentals	B.O.P. RAM-Block and Iron Rentals Inc	322	154	265.00	
Well Control Rentals	Seaboard International Inc (Weir Seaboard)	322	154	200.00	
Well Control Rentals	Cutter Drilling Systems SEE Premium Oilfield Technologies	322	154	150.00	
Mud Logging	Stivers Consulting Inc	322	183	1,100.00	
Supervision - Contract	Consulting Firms	322	212	3,800.00	
Safety/Medical	DXP	322	157	135.00	
Total				46,909.95	

Casing Strings								
Csg Des	Set Depth (ftKB)	Run Date	Prop Run?	Wellbore	Pick Up Date	On Bottom Date	Centralizers	Top (ftKB)
Production			Yes	Original Hole				
Conductor	120.0	12/26/2019	Yes	Original Hole				25.0
Surface	1,715.0	3/3/2020	Yes	Original Hole				24.7
Intermediate	10,282.0	3/13/2020	Yes	Original Hole				-5.4



Well Name: UL B 3H

Daily Drilling Report

Report #: 13.0 DFS To RR: 10.95

Acquisition: Midland Farms

Cement

Intermediate Casing Cement, Casing, <dtmstart>

Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Production Casing Cement, Casing, <dtmstart>

Type Casing	Cementing Start Date	Cementing End Date	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method	Cement Evaluation Results		
Comment				

Conductor Cement, Casing, 12/26/2019 12:30

Type Casing	Cementing Start Date 12/26/2019	Cementing End Date 12/26/2019	Wellbore Original Hole	String Table Casing String
Cementing Company Butches	Evaluation Method Returns to Surface	Cement Evaluation Results		
Comment				

Cement Stages

Stg # 1	Description Conductor Cement	Objective ..	Comment ..		
Top Depth (ftKB) 22.5	Bottom Depth (ftKB) 120.0	Full Return? Yes	Top Plug? No	Bottom Plug? No	Cement Volume Return (bbl) 50.0
Plug Bump Pressure (psi) 100.0	Recip? No	Pipe Rotated? No	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date

Surface Casing Cement, Casing, 3/3/2020 16:30

Type Casing	Cementing Start Date 3/3/2020	Cementing End Date 3/3/2020	Wellbore Original Hole	String Table Casing String
Cementing Company Halliburton Energy Services	Evaluation Method Returns to Surface	Cement Evaluation Results SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		
Comment				

SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.

Cement Stages

Stg # 1	Description Surface Casing Cement	Objective Cement Surface Casing	Comment SWAP LINES TO HALLIBURTON, FILL AND PRESSURE TEST LINES. PUMP 30 bbls FRESHWATER SPACER, PUMP 326 bbls LEAD CEMENT @ 12.8 ppg, PUMP 149 bbls TAIL CEMENT @ 14.8 ppg, DROP PLUG, DISPLACE WITH 257 bbls WATER. 170 bbls CEMENT RETURNED TO SURFACE.		
Top Depth (ftKB) 24.7	Bottom Depth (ftKB) 1,715.0	Full Return? Yes	Top Plug? Yes	Bottom Plug? No	Cement Volume Return (bbl) 170.0
Plug Bump Pressure (psi) 1,100.0	Recip? No	Pipe Rotated? No	Tagged Depth (ftKB)	Depth Plug Drilled Out To (ftKB)	Drill Out Date

Attachments

Description	Date	URL/File Name
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