

Daily Drilling Report

UNIVERSITY W2-34F 6H				PERMIAN - JV SOUTHERN WOLFCAMP	
PATTERSON - UTI - 804				Job:	ODR
Accept: 3/16/2021				Report Date:	4/2/2021
Days Since LTI: 971.00				Report #:	19
Release:				DFS:	17
Days Since RI: 251.00				AFE #:	9011468
				Total AFE + Sup:	\$2,283,773.46
				Daily Field Est. (Cost):	\$44,604.63

API/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)						
SSN ID00020527	Property Sub	KB-Grd (ft) 28.00	Orig KB Elev (ft) 2,670.00	Ground Elevation (ft) 2,642.00	Spud Date 11/22/2020	TD Date 3/30/2021						
Jobs												
Responsible Grp 2 DRL ENG - KEITH SPACEK		Responsible Grp 3 AREA TEAM 4		Job Type ODR	Start Date 11/21/2020 21:30		End Date		Job Status IN PROGRESS			
Job Dates (ex. Estimated Pad Release, TXRRC Calls)												
Type MILESTONE			Subtype ESTIMATED PAD RELEASE		Date 5/17/2021		Note Cementing 4th Lateral on a 7 well pad (4-1-21)					
Daily Operations												
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0		Daily Field Est Total (Cost) 44,604.63		Cum Field Est To Date (Cost) 2,091,367.41
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 8,506.2		Target Depth (TVD) (ftKB) 8,550.0		Daily Mud Field Est (Cost) 113,522.33		Cum Mud Field Est (Cost) 2,283,773.46
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 0.0				Daily Goal - Next 24				Goal Comments
Backbuild Yes		Lateral Inclination Toe Up		Last Casing String PRODUCTION, 18,714.0ftKB					Next Casing String PRODUCTION, 18,714.0ftKB			
Avg Connection Gas		Avg Trip Gas		Avg Background Gas		Max Connection Gas		Max Trip Gas		Max Drill Gas		
Operations Summary xxxxxxxxxx												
Operations Next Report Period xxxxxxxxxx												
Operations at Report Time xxxxxxxxxx												
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 76.25 hrs; Dly: 2.5 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported												
Time Log												
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com	Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #		
06:00	1.5	07:30	PROD, CASE & CMT	CIRC	NORMAL	Circulate STS. Stage from 6 - 9 bpm. Rig down csg tools in tandem. Full returns Note: Hold PSJM on cementing Prod csg during circulation	18,730.0	18,730.0				
07:30	0.25	07:45	PROD, CASE & CMT	RD_CSG	NORMAL	R/D CRT Tool	18,730.0	18,730.0				
07:45	0.25	08:00	PROD, CASE & CMT	RU_CMT	NORMAL	R/U cement equipment	18,730.0	18,730.0				
08:00	3.75	11:45	PROD, CASE & CMT	CMT	NORMAL	Pressure test Cementing line to 8,500 psi. Full job pressures on cementing report. Full returns through entire job. 20 bbls of cement to surface.	18,730.0	18,730.0				
11:45	0.25	12:00	PROD, CASE & CMT	RD_CMT	NORMAL	Rig down Schlumberger circulating iron, and standpipe	18,730.0	18,730.0				
12:00	0.25	12:15	PROD, CASE & CMT	FLOW_CHK	NORMAL	Monitor well on trip tanks, well static. Rig down cement head.	18,730.0	18,730.0				
12:15	0.25	12:30	PROD, CASE & CMT	CIRC	NORMAL	Wash through mudlines, choke, BOP etc.	18,730.0	18,730.0				
12:30	1.25	13:45	PROD, CASE & CMT	WH	NORMAL	Remove landing joint, wash through stack, install packoff, overpull 40K and held 5000 psi on seals, good test, installed BPV.	18,730.0	18,730.0				
13:45	0.5	14:15	PROD, CASE & CMT	ND_BOPE	NORMAL	Nipple down BOPE, flowline etc.	18,730.0	18,730.0				
14:15	0.5	14:45	PROD, CASE & CMT	WH	NORMAL	Install abandonment cap & test to 5000 PSI for 10 mintes- test good. Release Rig @ 13:00 on 3-16-21	18,730.0	18,730.0				
Hydraulic Calculations												
Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Jet Vel (ft/s)	Bit dP (psi)	Min Open Hole AV (ft/min)	Max Open Hole AV (ft/min)	Vol DrillString (bbl)	Vol Bit to Shoe (bbl)	Vol Shoe to Top (bbl)		
Daily Drilling Report												

Daily Drilling Report

UNIVERSITY W2-34F 6H

PATTERSON - UTI - 804

Accept: 3/16/2021 Release:

Days Since LTI: 971.00 Days Since RI: 251.00

PERMIAN - JV SOUTHERN WOLFCAMP

Job: ODR

Report Date: 4/2/2021

Report #: 19

DFS: 17

AFE #: 9011468

Total AFE + Sup: \$2,283,773.46

Daily Field Est. (Cost): \$44,604.63

Mud Checks

Time		Mud Company		Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	T Flowline (°F)
PV (cP)	YP (lb/100ft²)	Vis 3rpm	Vis 6rpm	Filtrate (mL/30min)	HTHP Filtrate (mL/30min)	HTHP Temperature (°F)	HTHP Pressure (psi)	
Solids (%)		Low Gravity Solids (%)		Sand (%)	MBT (lb/bbl)	Pm (mL/mL)	Pf (mL/mL)	
Chlorides (ppm)	Calcium (ppm)	CaCl (ppm)	Oil Water Ratio	Electric Stab (V)	Lime (lb/bbl)	pH		
Gel 10 sec (lb/100ft²)				Gel 10 min (lb/100ft²)		Gel 30 min (lb/100ft²)		
Comment								

Last BOP Test

Date	Test Type	Item Tested	Next Test Date	Com
3/16/2021	BOP	BOP'S, 3/16/2021 13:00, <class>	4/6/2021	Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.

Leak Off and Formation Integrity Tests

Test Type	Depth (ftKB)	Dens Fluid (lb/gal)
FORMATION INTEGRITY	1,070.0	12.58
FORMATION INTEGRITY	7,988.0	12.56

Casing Pressure Test

Test Type	Test Subtype	Date	Item Tested	Failed?	Time (min)	P (psi)
CASING	STANDARD	11/27/2020	SURFACE, 1,070.4ftKB	No	30.00	1,000.0
CASING	STANDARD	3/24/2021	INTERMEDIATE, 8,229.0ftKB	No	30.00	2,500.0

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)	Depth Top (TVD) (ftKB)
3/24/2021 13:45	KICK OFF	8,290.0	8,051.4
3/25/2021 08:30	HEEL	8,976.0	8,470.0
3/30/2021 05:00	TOE	18,730.0	8,506.2

Casing Strings

Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)
CONDUCTOR	128.0	128.0	20	H40	78.67		
SURFACE	1,070.4	1,069.7	13 3/8	K55	54.50	BTC	698.7
INTERMEDIATE	8,229.0	7,990.5	9 5/8	L80-IC	40.00	BTC	5,056.3
PRODUCTION	18,714.0	8,506.6	5 1/2	P110-IC	20.00	TXPBTC	

Cement

PRODUCTION CASING CEMENT, Casing, 4/1/2021 00:00

Cementing End Date	Wellbore	Technical Result	Comment
	ORIGINAL	SUCCESS	5.5' Prod Cement job

Cement Stages

Description	Final Top De...	Btm (ftKB)	Top Pl...	Btm Pl...	Q Pump Init (...)	Q Pump Fina...	Q Pump Avg...	P Pump Final...	P Plug Bump...	Float...	Recip?	Rotated?
	2,994.0	18,711.0	No	Yes	6	6	3			No	No	No

Cement Fluids

Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
MUDPUSH	1,917.0	2,994.0			11.00
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
LEAD CMT	2,994.0	8,097.0	TXI LITEWEIGHT	2.14	11.50
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
TAIL CMT	8,097.0	18,601.0	TXI LITEWEIGHT	1.56	12.50
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
DSPLMT	0.0	18,711.0			8.33

PRODUCTION CASING CEMENT, Casing, 4/1/2021 08:00

Cementing End Date	Wellbore	Technical Result	Comment
4/1/2021 12:00	ORIGINAL		20 BBls Cement to surface

Cement Stages

Description	Final Top De...	Btm (ftKB)	Top Pl...	Btm Pl...	Q Pump Init (...)	Q Pump Fina...	Q Pump Avg...	P Pump Final...	P Plug Bump...	Float...	Recip?	Rotated?
	0.0	18,714.0	Yes	No	6	9	7	2,300.0	3,800.0	No	No	No

Cement Fluids

Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
MUDPUSH	0.0	0.0			
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
LEAD CMT	0.0	7,600.0	CLASS H	2.36	12.00
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
TAIL CMT	7,600.0	18,714.0	CLASS H	2.06	12.50
Fluid Type	Estimated Top (ftKB)	Est Btm (ftKB)	Class	Yield (ft³/sack)	Density (lb/gal)
DSPLMT	0.0	18,710.0			

Gas Emissions - Flare

Type	Method	Dur (min)	Amount	Units	Com

Job Supply Amounts

Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed

Mud Additive Amounts

Des	Type	Units	Rec	Consumed	On Loc	Cum Cons

Pump Operations

Pump #	Make	Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)
1	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0
2	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0
3	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0

Pump Checks

Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)

Daily Drilling Report

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Printed: Thursday, April 1, 2021

Daily Drilling Report

PATTERSON - UTI - 804

Accept: 3/16/2021

Release:

Days Since LTI: 971.00

Days Since RI: 251.00

Job: ODR

Report Date: 4/2/2021

Report #: 19

DFS: 17

AFE #: 9011468

Total AFE + Sup:	\$2,283,773.46
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Daily Field Est. (Cost):	\$44,604.63
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Printed: Thursday, April 1, 2021

Daily Drilling Report

UNIVERSITY W2-34F 6H				PERMIAN - JV SOUTHERN WOLFCAMP	
PATTERSON - UTI - 804				Job:	ODR
Accept: 3/16/2021				Report Date:	4/1/2021
Days Since LTI: 970.00				Report #:	18
Release:				DFS:	17
Days Since RI: 250.00				AFE #:	9011468
				Total AFE + Sup:	\$2,283,773.46
				Daily Field Est. (Cost):	\$299,373.69

P/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)						
SSN ID00020527		Property Sub		KB-Grd (ft) 28.00	Orig KB Elev (ft) 2,670.00	Ground Elevation (ft) 2,642.00	Spud Date 11/22/2020	TD Date 3/30/2021				
Jobs												
Responsible Grp 2		Responsible Grp 3		Job Type	Start Date		End Date		Job Status			
DRL ENG - KEITH SPACEK		AREA TEAM 4		ODR	11/21/2020 21:30				IN PROGRESS			
Job Dates (ex. Estimated Pad Release, TXRRC Calls)												
Type			Subtype		Date		Note					
MILESTONE			ESTIMATED PAD RELEASE		5/17/2021		Cementing 4th Lateral on a 7 well pad (4-1-21)					
Daily Operations												
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0		Daily Field Est Total (Cost) 299,373.69	Cum Field Est To Date (Cost) 2,285,553.42	
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 8,506.2		Target Depth (TVD) (ftKB) 8,550.0		Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost) 113,522.33	Total AFE + Sup (Cost) 2,283,773.46
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 0.0				Daily Goal - Next 24 0.0		Goal Comments Goal Met		
Backbuild Yes		Lateral Inclination Toe Up		Last Casing String INTERMEDIATE, 8,229.0ftKB				Next Casing String PRODUCTION, 18,714.0ftKB				
Avg Connection Gas 0.00		Avg Trip Gas 0.00		Avg Background Gas 64.00		Max Connection Gas 0.00		Max Trip Gas 0.00		Max Drill Gas 0.00		
Operations Summary Run 5.5" Prod Csg F/1,475' - T/9,038', CBU, Run 5.5" Csg F/9,038' - T/LP @ 18,714', Circ STS Prior T/Cementing Prod Csg												
Operations Next Report Period Finish Circulating, R/U & Perform Prod Cmt Job, Install Packoff & BPV, N/D BOPE, Install/Test TA Cap, Release Rig T/University W2-34G 7H												
Operations at Report Time Circulating Prior T/Cementing Prod Csg												
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 76.25 hrs; Dly: 2.5 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported												
Time Log												
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com	Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #		
06:00	0.25	06:15	PROD, CASE & CMT	FLOW_CHK	NORMAL	15 Min flow check at crew change. Well static	18,730.0	18,730.0				
06:15	0.25	06:30	PROD, CASE & CMT	CSG_W/O ROTATION	NORMAL	Run 5.5" 20# P-110 IC TXP prod casing T/ 1,715'. Proper displacement on trip tanks. MU TQ 12.5K. Filling on the fly. Break circulation after 40 joints.	18,730.0	18,730.0				
06:30	0.5	07:00	PROD, CASE & CMT	RIG_RPR	NORMAL	After releasing casing tongs from stump, tongs swung into A leg damaging torque turn box. Replace box.	18,730.0	18,730.0	0.50	7		
07:00	7.75	14:45	PROD, CASE & CMT	CSG_W/O ROTATION	NORMAL	Run 5.5" 20# P-110 IC TXP prod casing T/ 9,038' . Proper displacement on trip tanks. MU TQ 12.5K. Filling on the fly. Top fill every 40 joints.	18,730.0	18,730.0				
14:45	0.75	15:30	PROD, CASE & CMT	CIRC	NORMAL	Circulate bottoms up at end of curve, 6.5 bbl/min, maintaining 11.5 mw, 490 psi spp	18,730.0	18,730.0				
15:30	4.5	20:00	PROD, CASE & CMT	CSG_W/O ROTATION	NORMAL	Run 5.5" 20# P-110 IC TXP prod casing F/9,038' - T/12,848'. Proper displacement on trip tanks. MU TQ 12.5K. Filling on the fly. Top fill every 40 joints.	18,730.0	18,730.0				
20:00	2	22:00	PROD, CASE & CMT	SFTY_ NPT	NORMAL	While running casing @12,848', RTM stated he saw something fall from height as the Driller was latching a joint. Link tilt pin was found on the rig floor. Top drive inspection was conducted and no pin was found to be missing. TDS schematic showed that there were 6 pins with the same serial number located in the link tilt assembly, but all of them were installed. Top drive was changed out 3/19/21 and it is thought that the pin was left on the top of it and fell while picking up the joint of casing. Note: Circulated during top drive inspection and plan forward.	18,730.0	18,730.0	2.00	8		
22:00	7.25	05:15	PROD, CASE & CMT	CSG_W/O ROTATION	NORMAL	Run 5.5" 20# P-110 IC TXP prod casing F/12,848' - T/18,681'. Proper displacement on trip tanks. MU TQ 12.5K. Filling on the fly. Top fill every 40 joints.	18,730.0	18,730.0				
05:15	0.25	05:30	PROD, CASE & CMT	CSG_W/O ROTATION	NORMAL	Make up Cactus Land Jt & land hanger in wellhead with 105K Shoe Depth @ 18,714'	18,730.0	18,730.0				
05:30	0.5	06:00	PROD, CASE & CMT	CIRC	NORMAL	Circulate STS. Stage from 6 - 9 bpm. Rig down csg tools in tandem. Full returns Note: Hold PSJM on cementing Prod csg during circulation	18,730.0	18,730.0				
Daily Drilling Report												
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Printed: Thursday, April 1, 2021												

Daily Drilling Report

Interval Problems										
3RD PARTY, 18,730.0ftKB, 3/31/2021 06:30										
Ref #	Dur (N...)	Ex...	Subtype	Problem Descript...	Est Cost OR (Cost)	Accountable Party	Comment			
7	0.50	No	PIPE HANDLING	HUMAN ERROR		BYRD OILFIELD SERVICES LLC	After releasing casing tongs from stump, tongs swung into A leg damaging torque turn box. Replace box.			
SURFACE CONDITION, 18,730.0ftKB, 3/31/2021 20:00										
Ref #	Dur (N...)	Ex...	Subtype	Problem Descript...	Est Cost OR (Cost)	Accountable Party	Comment			
8	2.00	No	HSE	SAFETY		PATTERSON-UTI DRILLING COMPANY LLC	While running casing @12,848', RTM stated he saw something fall from height as the Driller was latching a joint. Link tilt pin was found on the rig floor. Top drive inspection was conducted and no pin was found to be missing. TDS schematic showed that there were 6 pins with the same serial number located in the link tilt assembly, but all of them were installed. Top drive was changed out 3/19/21 and it is thought that the pin was left on the top of it and fell while picking up the joint of casing.			
Hydraulic Calculations										
Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Jet Vel (ft/s)	Bit dP (psi)	Min Open Hole AV (ft/min)	Max Open Hole AV (ft/min)	Vol DrillString (bbl)	Vol Bit to Shoe (bbl)	Vol Shoe to Top (bbl)
Mud Checks										
Time		Mud Company			Type	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	T Flowline (°F)	
23:00		PIONEER DRILLING FLUIDS			OIL BASE	18,730.0	11.65	56	0.0	
PV (cP)	YP (lb/100ft²)	Vis 3rpm	Vis 6rpm	Filtrate (mL/30min)		HTHP Filtrate (mL/30min)		HTHP Temperature (°F)		HTHP Pressure (psi)
18.0	10.000	7	8			15.0		250.0		500.0
Solids (%)		Low Gravity Solids (%)		Sand (%)		MBT (lb/bbl)		Pm (mL/mL)		Pf (mL/mL)
22.0		10.3								
Chlorides (ppm)		Calcium (ppm)		CaCl (ppm)	Oil Water Ratio	Electric Stab (V)		Lime (lb/bbl)	pH	
26,000,000.000		8,000,000.000			74/26	529.0		4.5		
Gel 10 sec (lb/100ft²)				Gel 10 min (lb/100ft²)				Gel 30 min (lb/100ft²)		
12.000				17.000				22.000		
Comment										
RECOMMENDED FLUIDS TREATMENT										
Maintained 11.5 ppg MW while tripping. Due to MW increasing on casing run, plan forward is to run dilution to keep MW at 11.5 ppg. No chemical treatment at this time.										
DRILLING FLUIDS ACTIVITY LAST 24 HRS										
Circulating and conditioning mud over shakers while running casing. No MOC.										
Last BOP Test										
Date	Test Type			Item Tested		Next Test Date	Com			
3/16/2021	BOP			BOP'S, 3/16/2021 13:00, <class>		4/6/2021	Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.			
Leak Off and Formation Integrity Tests										
Test Type				Depth (ftKB)			Dens Fluid (lb/gal)			
FORMATION INTEGRITY				1,070.0			12.58			
FORMATION INTEGRITY				7,988.0			12.56			
Casing Pressure Test										
Test Type		Test Subtype		Date	Item Tested		Failed?	Time (min)	P (psi)	
CASING		STANDARD		11/27/2020	SURFACE, 1,070.4ftKB		No	30.00	1,000.0	
CASING		STANDARD		3/24/2021	INTERMEDIATE, 8,229.0ftKB		No	30.00	2,500.0	
Kick Offs & Key Depths										
Date				Type		Top Depth (ftKB)		Depth Top (TVD) (ftKB)		
3/24/2021 13:45				KICK OFF		8,290.0		8,051.4		
3/25/2021 08:30				HEEL		8,976.0		8,470.0		
3/30/2021 05:00				TOE		18,730.0		8,506.2		
Casing Strings										
Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread		P LeakOff (psi)		
CONDUCTOR	128.0	128.0	20	H40	78.67					
SURFACE	1,070.4	1,069.7	13 3/8	K55	54.50	BTC		698.7		
INTERMEDIATE	8,229.0	7,990.5	9 5/8	L80-IC	40.00	BTC		5,056.3		
Gas Emissions - Flare										
Type	Method	Dur (min)	Amount	Units	Com					
Job Supply Amounts										
Supply Item Des		Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed	
DIESEL		FUEL	GAL	0	397		Rig Tank	7,290	35,085.0	
DIESEL		MUD	GAL	7,295	0		Mud Tank	14,498	39,348.0	
DIESEL		FUEL	GAL	0	0		Emergency tank	2,352	683.0	
WATER		FRESH	BBL	85	85		Beginning: 231,877 End: 231,962	0	2,587.0	
Mud Additive Amounts										
Des		Type	Units	Rec	Consumed	On Loc		Cum Cons		
Pump Operations										
Pump #	Make			Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)		
1	BOMCO			F1600	5 1/2	12.00	0.088	5,556.0		
2	BOMCO			F1600	5 1/2	12.00	0.088	5,556.0		
3	BOMCO			F1600	5 1/2	12.00	0.088	5,556.0		
Pump Checks										
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)			Eff (%)		
Deviation Surveys										
Date		Description					Job			
11/22/2020		AS DRILL SURVEY					ODR, 11/21/2020 21:30			
Date		Description					Job			
3/30/2021		FINAL SURVEY								
Daily Drilling Report										

Daily Drilling Report

PATTERSON - UTI - 804

Release:

Days Since RI: 250.00

PERMIAN - JV SOUTHERN WOLFCAMP	
Job:	ODR
Report Date:	4/1/2021
Report #:	18
DFS:	17
AFE #:	9011468
Total AFE + Sup:	\$2,283,773.46
Daily Field Est. (Cost):	\$299,373.69

Formations					
Formation Name	Prog Top (TVD SS) Override (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)
TARGET_1	-5,865.0		8,535.0		
PBHL/TD	-5,880.0		8,550.0		

Daily Contacts				
Job Contact	Title	Office	Mobile	Email
HARDIN, JOE, AREA DRILLING SUPERINTENDENT	AREA DRILLING SUPERINTENDENT	361-452-2118	361-318-8762	JOE.HARDIN@PXD.COM
VOGEL, WILLIS, SUPERINTENDENT	SUPERINTENDENT		432-301-6784	WILLIS.VOGEL@PXD.COM
HAHN, MICHAEL, SUPERINTENDENT	SUPERINTENDENT	281-532-5976	361-564-8443	MICHAEL.HAHN@PXD.COM
SPACEK, KEITH, ENGINEER	ENGINEER	972-969-5932	972-741-1753	KEITH.SPACEK@PXD.COM
ROGERS, WILL, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		806-549-1545	WILL.ROGERS@PXD.COM
BORLAND, TOBY, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		432-305-6058	TOBY.BORLAND@PXD.COM
JACKSON, MATTHEW, MUD ENGINEER	MUD ENGINEER	512-393-4397		MATTHEW.JACKSON@PXD.COM
RIG-PATTERSON 804, RIG PHONE	RIG PHONE	432-355-3141	432-238-4084	

Personnel Log	
Company	Count
PIONEER NATURAL RESOURCES USA INC	2
PATTERSON-UTI DRILLING COMPANY LLC	13
INTREPID DIRECTIONAL DRILLING SPECIALISTS	3
GISLER BROTHERS LOGGING CO INC	1
CRESCENT DRILLING FOREMAN INC	1
HALLIBURTON ENERGY SERVICES INC	1

Daily Drilling Report

UNIVERSITY W2-34F 6H				PERMIAN - JV SOUTHERN WOLFCAMP			
PATTERSON - UTI - 804				Job: ODR			
Accept: 3/16/2021		Release: 4/1/2021		Report Date:		4/1/2021	
Days Since LTI: 971.00		Days Since RI: 251.00		Report #:		19	
				DFS:		17	
				AFE #:		9011468	
				Total AFE + Sup:		\$2,283,773.46	
				Daily Field Est. (Cost):		\$115,784.93	

JPI/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)						
SSN ID00020527		Property Sub		KB-Grd (ft) 28.00	Orig KB Elev (ft) 2,670.00	Ground Elevation (ft) 2,642.00	Spud Date 11/22/2020		TD Date 3/30/2021			
Jobs												
Responsible Grp 2		Responsible Grp 3		Job Type	Start Date		End Date		Job Status			
DRL ENG - KEITH SPACEK		AREA TEAM 4		ODR	11/21/2020 21:30		4/1/2021 18:45		COMPLETE			
Job Dates (ex. Estimated Pad Release, TXRRC Calls)												
Type			Subtype		Date		Note					
MILESTONE			ESTIMATED PAD RELEASE		5/17/2021		Cementing 4th Lateral on a 7 well pad (4-1-21)					
Daily Operations												
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0		Daily Field Est Total (Cost) 115,784.93	Cum Field Est To Date (Cost) 2,162,547.71	
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 8,506.2		Target Depth (TVD) (ftKB) 8,550.0		Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost) 113,522.33	Total AFE + Sup (Cost) 2,283,773.46
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 0.0			Daily Goal - Next 24 0.0			Goal Comments Goal Met		
Backbuild Yes		Lateral Inclination Toe Up		Last Casing String PRODUCTION, 18,714.0ftKB					Next Casing String PRODUCTION, 18,714.0ftKB			
Avg Connection Gas 0.00		Avg Trip Gas 810.00			Avg Background Gas 349.00		Max Connection Gas 0.00		Max Trip Gas 810.00		Max Drill Gas 0.00	
Operations Summary Finish Circulating, R/U & Perform Prod Cmt Job, Install Packoff & BPV, N/D BOPE, Install/Test TA Cap, Release Rig T/University W2-34G 7H												
Operations Next Report Period Release Rig T/University W2-34G 7H												
Operations at Report Time Rig Released T/University W2-34G 7H												
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 79.25 hrs; Dly: 3 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported												
Time Log												
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com		Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #	
06:00	1.5	07:30	PROD, CASE & CMT	CIRC	NORMAL	Circulate STS. Stage from 6 - 9 bpm. Rig down csg tools in tandem. Full returns Note: Hold PSJM on cementing Prod csg during circulation		18,730.0	18,730.0			
07:30	0.25	07:45	PROD, CASE & CMT	RD_CSG	NORMAL	R/D CRT Tool		18,730.0	18,730.0			
07:45	0.25	08:00	PROD, CASE & CMT	RU_CMT	NORMAL	R/U cement equipment		18,730.0	18,730.0			
08:00	4	12:00	PROD, CASE & CMT	CMT	NORMAL	Pressure test lines to 8500 psi, pumped 50 bbls MPE @ 11.8 ppg, Pumped 237 bbls of 12# Lead, Pumped 569 bbls Tail slurry @ 12.5 ppg. Drop bottom plug, pumped 5 bbl's retarded water, dropped top plug. Start displacement with 35 bbl's retarded water, 380.5 bbl's fresh water w/corrosion inhibitor (Calculated Disp = 415.5 bbl's), At final stage of displacement slowed down to 3 BPM, observed bottom plug bump land @ 2200 psi and rupture @ 3100 psi, Let pressure stabilize, Pumped 3 bpm and observed Bump top plug t/ 3700 psi (1500 psi over FCP of 2200 psi), Held pressure for 5 min. Bled back 6 bbl's, floats held. Full Returns through job, got back 50 bbls spacer and 20 bbls of cement to surface.		18,730.0	18,730.0			
12:00	0.25	12:15	DEMOB, RIG DOWN	CIRC	NORMAL	Wash through mudlines, choke, BOP etc.		18,730.0	18,730.0			
12:15	0.25	12:30	DEMOB, RIG DOWN	RD_CMT	NORMAL	Rig down Schlumberger circulating iron, and standpipe		18,730.0	18,730.0			
12:30	0.25	12:45	DEMOB, RIG DOWN	FLOW_CHK	NORMAL	Monitor well on trip tanks, well static. Rig down cement head.		18,730.0	18,730.0			
12:45	4.5	17:15	DEMOB, RIG DOWN	WH	NORMAL	Remove landing joint, wash through stack, install packoff, overpull 40K and held 5000 psi on seals, good test, installed BPV. After setting pack off initially, pack off did not fully engage. RIH with Retrieval tool and retrieve pack off. Wash well head again and drain stack. Install fresh pack off and set.		18,730.0	18,730.0	3.00	9	
17:15	0.5	17:45	DEMOB, RIG DOWN	RD RDMO	NORMAL	Blowdown and disconnect mudlines, remove trip nipple, etc		18,730.0	18,730.0			
Daily Drilling Report												
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Printed: Friday, April 2, 2021												

Daily Drilling Report

PATTERSON - UTI - 804
Accept: 3/16/2021 **Release: 4/1/2021**
Days Since LTI: 971.00 **Days Since RI: 251.00**

PERMIAN - JV SOUTHERN WOLFCAMP	
Job:	ODR
Report Date:	4/1/2021
Report #:	19
DFS:	17
AFE #:	9011468
Total AFE + Sup:	\$2,283,773.46
Daily Field Est. (Cost):	\$115,784.93

Time Log																											
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com			Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #															
17:45	0.5	18:15	DEMOB, RIG DOWN	ND_BOPE	NORMAL	Nipple down BOPE, flowline etc.			18,730.0	18,730.0																	
18:15	0.5	18:45	DEMOB, RIG DOWN	WH	NORMAL	Install abandonment cap & test to 5000 PSI for 10 mintes- test good. Release Rig @ 18:45 on 4-1-21			18,730.0	18,730.0																	
Interval Problems																											
3RD PARTY, 18,730.0ftKB, 4/1/2021 13:45																											
Ref #	Dur (N...)	Ex...	Subtype	Problem Descript...	Est Cost OR (Cost)	Accountable Party		Comment																			
9	3.00	No	PRESSURE CONTROL	WELLHEAD		CACTUS WELLHEAD LLC		After setting pack off initially, pack off did not fully engage. RIH with retrieval tool and retrieve pack off. Wash well head again and drain stack. Install fresh pack off and set.																			
Hydraulic Calculations																											
Dens Mud (lb/gal)		ECD End (lb/gal)		Bit Hydraulic Power (hp)		HP/Area (hp/in²)		Jet Vel (ft/s)		Bit dP (psi)		Min Open Hole AV (ft/min)		Max Open Hole AV (ft/min)		Vol DrillString (bbl)		Vol Bit to Shoe (bbl)		Vol Shoe to Top (bbl)							
Mud Checks																											
Time 23:00			Mud Company PIONEER DRILLING FLUIDS				Type OIL BASE		Depth (ftKB) 18,730.0		Density (lb/gal) 11.50		Funnel Viscosity (s/qt) 57		T Flowline (°F) 0.0												
PV (cP) 18.0		YP (lb/100ft²) 10.000		Vis 3rpm 7		Vis 6rpm 8		Filtrate (mL/30min)		HTHP Filtrate (mL/30min) 16.0		HTHP Temperature (°F) 250.0		HTHP Pressure (psi) 500.0													
Solids (%) 21.5				Low Gravity Solids (%) 10.6				Sand (%)		MBT (lb/bbl)		Pm (mL/mL)		PF (mL/mL)													
Chlorides (ppm) 25,000,000.000				Calcium (ppm) 8,000,000.000				CaCl (ppm)		Oil Water Ratio 74.3/25.7		Electric Stab (V) 520.0		Lime (lb/bbl) 4.5		pH											
Gel 10 sec (lb/100ft²) 12.000						Gel 10 min (lb/100ft²) 17.000						Gel 30 min (lb/100ft²) 22.000															
Comment RECOMMENDED FLUIDS TREATMENT Maintained 11.5 MW through casing run and cement job. DRILLING FLUIDS ACTIVITY LAST 24 HRS Transferred all OBM to the frac tanks. No MOC.																											
Last BOP Test																											
Date		Test Type			Item Tested			Next Test Date		Com																	
3/16/2021		BOP			BOP'S, 3/16/2021 13:00, <class>			4/6/2021		Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.																	
Leak Off and Formation Integrity Tests																											
Test Type				Depth (ftKB)				Dens Fluid (lb/gal)																			
FORMATION INTEGRITY								1,070.0							12.58												
FORMATION INTEGRITY								7,988.0							12.56												
Casing Pressure Test																											
Test Type			Test Subtype			Date		Item Tested		Failed?		Time (min)		P (psi)													
CASING			STANDARD			11/27/2020		SURFACE, 1,070.4ftKB		No		30.00		1,000.0													
CASING			STANDARD			3/24/2021		INTERMEDIATE, 8,229.0ftKB		No		30.00		2,500.0													
Kick Offs & Key Depths																											
Date				Type				Top Depth (ftKB)			Depth Top (TVD) (ftKB)																
3/24/2021 13:45				KICK OFF				8,290.0			8,051.4																
3/25/2021 08:30				HEEL				8,976.0			8,470.0																
3/30/2021 05:00				TOE				18,730.0			8,506.2																
Casing Strings																											
Description		Set Depth (ftKB)		Set Depth (TVD) (ftKB)		OD (in)		Grade		Wt/Len (lb/ft)		Top Thread		P LeakOff (psi)													
CONDUCTOR		128.0		128.0		20		H40		78.67																	
SURFACE		1,070.4		1,069.7		13 3/8		K55		54.50		BTC		698.7													
INTERMEDIATE		8,229.0		7,990.5		9 5/8		L80-IC		40.00		BTC		5,056.3													
PRODUCTION		18,714.0		8,506.6		5 1/2		P110-IC		20.00		TXPBTC															
Cement																											
PRODUCTION CASING CEMENT, Casing, 4/1/2021 08:00																											
Cementing End Date 4/1/2021 12:00		Wellbore ORIGINAL		Technical Result SUCCESS		Comment 20 BBls Cement to surface																					
Cement Stages																											
Description 5.5" Prod Cement				Final Top De... 30.3		Btm (ftKB) 18,595.0		Top Pl... Yes		Btm Pl... Yes		Q Pump Init (... 6		Q Pump Fina... 9		Q Pump Avg... 7		P Pump Final... 2,200.0		P Plug Bump... 2,200.0		Float... No		Recip? No		Rotated? No	
Cement Fluids																											
Fluid Type MUDPUSH						Estimated Top (ftKB) 30.3		Est Btm (ftKB) 30.3		Class		Yield (ft³/sack)		Density (lb/gal) 11.80													
Fluid Type LEAD CMT						Estimated Top (ftKB) 30.3		Est Btm (ftKB) 7,600.0		Class CLASS H		Yield (ft³/sack) 2.36		Density (lb/gal) 12.00													
Fluid Type TAIL CMT						Estimated Top (ftKB) 7,600.0		Est Btm (ftKB) 18,595.0		Class CLASS H		Yield (ft³/sack) 2.06		Density (lb/gal) 12.50													
Fluid Type DSPLMT						Estimated Top (ftKB) 30.3		Est Btm (ftKB) 18,710.0		Class		Yield (ft³/sack)		Density (lb/gal) 8.33													
Gas Emissions - Flare																											
Type		Method		Dur (min)		Amount		Units		Com																	
Job Supply Amounts																											
Supply Item Des		Type		Unit Label		Received		Consumed		Returned		Note		Cum On Loc		Cum Consumed											
DIESEL		FUEL		GAL		0		350				Rig Tank		6,940		35,435.0											
DIESEL		FUEL		GAL						6,940		Transferred to 'UNIVERSITY W2-34G 7H'		0		35,435.0											
DIESEL		MUD		GAL		0		2,107				Mud Tank		12,390		41,456.0											
Daily Drilling Report																											
Page 2/3										Printed: Friday, April 2, 2021																	

Daily Drilling Report

UNIVERSITY W2-34F 6H

PATTERSON - UTI - 804

Accept: 3/16/2021 Release: 4/1/2021

Days Since LTI: 971.00 Days Since RI: 251.00

PERMIAN - JV SOUTHERN WOLFCAMP

Job: ODR

Report Date: 4/1/2021

Report #: 19

DFS: 17

AFE #: 9011468

Total AFE + Sup: \$2,283,773.46

Daily Field Est. (Cost): \$115,784.93

Job Supply Amounts								
Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed
DIESEL	MUD	GAL			12,390	Transferred to 'UNIVERSITY W2-34G 7H'	0	41,456.0
DIESEL	FUEL	GAL			2,352	Transferred to 'UNIVERSITY W2-34G 7H'	0	683.0
DIESEL	FUEL	GAL	0	0		Emergency tank	0	683.0
WATER	FRESH	BBL			0	Transferred to 'UNIVERSITY W2-34G 7H'	0	4,232.0
WATER	FRESH	BBL	0	0		Beginning: 231,962 End: 231,962	0	2,587.0
WATER	FRESH	BBL			0	Transferred to 'UNIVERSITY W2-34G 7H'	0	2,587.0
Mud Additive Amounts								
Des		Type	Units	Rec	Consumed	On Loc	Cum Cons	
Pump Operations								
Pump #	Make		Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)	
1	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
2	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
3	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
Deviation Surveys								
Date 11/22/2020		Description AS DRILL SURVEY				Job ODR, 11/21/2020 21:30		
Date 3/30/2021		Description FINAL SURVEY				Job		
Formations								
Formation Name			Prog Top (TVD SS) Override (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)	
TARGET_1			-5,865.0		8,535.0			
PBHL/TD			-5,880.0		8,550.0			
Daily Contacts								
Job Contact		Title	Office	Mobile	Email			
HARDIN, JOE, AREA DRILLING SUPERINTENDENT		AREA DRILLING SUPERINTENDENT	361-452-2118	361-318-8762	JOE.HARDIN@PXD.COM			
VOGEL, WILLIS, SUPERINTENDENT		SUPERINTENDENT		432-301-6784	WILLIS.VOGEL@PXD.COM			
HAHN, MICHAEL, SUPERINTENDENT		SUPERINTENDENT	281-532-5976	361-564-8443	MICHAEL.HAHN@PXD.COM			
SPACEK, KEITH, ENGINEER		ENGINEER	972-969-5932	972-741-1753	KEITH.SPACEK@PXD.COM			
ROGERS, WILL, WELLSITE SUPERVISOR		WELLSITE SUPERVISOR		806-549-1545	WILL.ROGERS@PXD.COM			
BORLAND, TOBY, WELLSITE SUPERVISOR		WELLSITE SUPERVISOR		432-305-6058	TOBY.BORLAND@PXD.COM			
JACKSON, MATTHEW, MUD ENGINEER		MUD ENGINEER	512-393-4397		MATTHEW.JACKSON@PXD.COM			
RIG-PATTERSON 804, RIG PHONE		RIG PHONE	432-355-3141	432-238-4084				
Personnel Log								
Company							Count	
PIONEER NATURAL RESOURCES USA INC							2	
PATTERSON-UTI DRILLING COMPANY LLC							13	
INTREPID DIRECTIONAL DRILLING SPECIALISTS							3	
GISLER BROTHERS LOGGING CO INC							1	
CRESCENT DRILLING FOREMAN INC							1	
HALLIBURTON ENERGY SERVICES INC							1	

Daily Drilling Report

UNIVERSITY W2-34F 6H

PATTERSON - UTI - 804

Accept: 3/16/2021 Release: 3/16/2021

Days Since LTI: 968.00 Days Since RI: 248.00

PERMIAN - JV SOUTHERN WOLFCAMP

Job: ODR

Report Date: 3/30/2021

Report #: 16

DFS: 15

AFE #: 9011468

Total AFE + Sup: \$2,283,773.46

Daily Field Est. (Cost): \$92,608.35

PWI/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)											
SSN ID00020527		Property Sub KB-Grd (ft) 28.00		Orig KB Elev (ft) 2,670.00		Ground Elevation (ft) 2,642.00		Spud Date 11/22/2020		TD Date 3/30/2021							
Jobs																	
Responsible Grp 2 DRL ENG - KEITH SPACEK		Responsible Grp 3 AREA TEAM 4		Job Type ODR		Start Date 11/21/2020 21:30		End Date		Job Status IN PROGRESS							
Job Dates (ex. Estimated Pad Release, TXRRC Calls)																	
Type MILESTONE		Subtype ESTIMATED PAD RELEASE		Date 5/17/2021		Note Drilling 4th Lateral on a 7 well pad (3-26-21)											
Daily Operations																	
Footage/Meterage (ft) 1,601.00		Drilling Hours (hr) 22.50		% Rotating Time (%) 53.33		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0		Daily Field Est Total (Cost) 92,608.35		Cum Field Est To Date (Cost) 1,628,763.76					
24 HR ROP (ft/hr) 71.2		Circulating Hours (hr) 1.50		% Sliding Time (%) 46.67		End Depth (TVD) (ftKB) 8,504.0		Target Depth (TVD) (ftKB) 8,550.0		Daily Mud Field Est (Cost) 13,393.74		Cum Mud Field Est (Cost) 102,589.36		Total AFE + Sup (Cost) 2,283,773.46			
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 1,615.0				Daily Goal - Next 24 0.0				Goal Comments Goal Met					
Backbuild Yes		Lateral Inclination		Last Casing String INTERMEDIATE, 8,229.0ftKB						Next Casing String PRODUCTION, 18,714.0ftKB							
Avg Connection Gas 457.00		Avg Trip Gas 0.00		Avg Background Gas 342.00		Max Connection Gas 809.00		Max Trip Gas 0.00		Max Drill Gas 660.00							
Operations Summary Drill lateral F/17,129' T/18,730' (TD) (46% sliding, 1.96° avg lateral DLS, 5.2' above, 4.48' right). Begin K&M Cleanup Cycle.																	
Operations Next Report Period Finish circulating K&M cleanup cycle. TOO. L/D BHA. RU and run 5.5" production casing.																	
Operations at Report Time Circulate K&M Cleanup Cycle																	
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 75.75 hrs; Dly: 0 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported																	
Time Log																	
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com			Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #					
06:00	14	20:00	PROD, DRL LAT	DRL	NORMAL	Drill Lateral F/ 17,129' - T/ 18,160' (1,031' @ 73 fph) WOB 42-46, GPM 550, SPP 4800-4900 , DIFF 650.			17,129.0	18,160.0							
20:00	0.5	20:30	PROD, DRL LAT	RIG_SVC	NORMAL	Rig service.			18,160.0	18,160.0							
20:30	8.5	05:00	PROD, DRL LAT	DRL	NORMAL	Drill Lateral F/ 18,160' - T/ 18,730 (570' @ 65 fph) WOB 42-46, GPM 550, SPP 4800-4900 , DIFF 650.			18,160.0	18,730.0							
05:00	1	06:00	PROD, POST DRL	K&M_CLEANUP	NORMAL	Perform K & M clean up cycles, CBU x 6.5. Full returns.			18,730.0	18,730.0							
Drill Strings																	
BHA #3 , PRODUCTION - CURVE/LATERAL																	
Bit Run 3			Drill Bit 8 3/4in, CF611, 50988						Bit Type PDC		Make ULTERRA						
Nozzles (1/32") 13/13/13/13/13			Bit Total Fluid Area (nozzles) (in²) 0.78			IADC Bit Dull -----			Hours Drilled By Bit (hr) 131.25		Depth Drilled By Bit (ft) 10,491.00						
BHA Drilling Time (hr) 131.25			BHA Depth Drilled (ft) 10,491.00			BHA ROP (ft/hr) 79.9			Depth In (ftKB) 8,239.0		Depth Out (ftKB) 18,730.0						
Drill String Components																	
Jts	Item Des				OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Wt (lbf)	Cum Wt (1000lbf)	Make						
226	DRILL PIPE				5	4.27	7,135.34	18,730.00	139,139.1	519	RIG						
42	HWDP - SPIRALED				5	3.00	1,268.53	11,594.66	73,574.7	380	RIG						
238	DRILL PIPE				5	4.27	7,433.69	10,326.13	144,957.0	306	RIG						
1	AGITATOR				6 3/4	2.50	22.97	2,892.44		161	NOV						
89	DRILL PIPE				5	4.28	2,781.46	2,869.47	161,324.7	161	RIG						
1	DRILL COLLAR - NON MAG				6 5/8	3.25	29.79	88.01		0	INTREPID						
1	DRILL COLLAR - NON MAG				6 5/8	3.25	29.23	58.22		0	INTREPID						
1	SUB - UBHO				6 3/4	2.81	3.18	28.99		0	INTREPID						
1	MOTOR - TRUE SLICK				6.756	2.81	24.81	25.81		0	INTREPID						
Mud Motors																	
SN		Bend Angle		Bearing Type		Lobe Config		# Stages		Lwr DefIn Type		Bit To Bend					
XSS67072 / XS677850-072		2		NOT SEALED		7:8		5				3.93					
Sensors																	
Sensor Type				Sensor-Bit (ft)				Note									
GAMMA				38.00													
DIRECTIONAL				53.00													
Drilling Parameters																	
Start Time	End Time	Start Depth (ftKB)	Int Depth (ft)	Int ROP (ft/hr)	WOB (1000lbf)	RPM (rpm)	dP (SPP) (psi)	Q Flow (gpm)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Off-Btm Str Wt (1000lbf)	Drill Tq	Off Btm Tq	TFO (°)
06:00	07:45	17,129.0	311.00	177.7	45	60	600.0	525	5,020.0	177.7	220	305	120	220	24,000.0	12,000.0	0
Daily Drilling Report																	

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Daily Drilling Report

Drilling Parameters																		
Start Time	End Time	Start Depth (ftKB)	Int Depth (ft)	Int ROP (ft/hr)	WOB (1000lbf)	RPM (rpm)	dP (SPP) (psi)	Q Flow (gpm)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Off-Btm Str Wt (1000lbf)	Drill Tq	Off Btm Tq	TFO (°)	
07:45	09:15	17,440.0	14.00	9.3	30	0	100.0	550	4,750.0	9.3	220	305	120	220	0.0	0.0	180	
09:15	10:30	17,454.0	166.00	132.8	40	60	630.0	525	4,925.0	132.8	220	305	120	220	23,400.0	12,000.0	0	
10:30	11:45	17,620.0	22.00	17.6	25	0	100.0	550	4,765.0	17.6	220	305	120	220	0.0	0.0	180	
11:45	13:15	17,642.0	164.00	109.3	38	60	640.0	525	4,970.0	109.3	220	305	120	220	25,000.0	13,000.0	0	
13:15	14:30	17,806.0	15.00	12.0	40	0	100.0	525	4,760.0	12.0	220	305	120	220	0.0	0.0	200	
14:30	15:15	17,821.0	81.00	108.0	40	60	450.0	525	4,700.0	108.0	220	305	120	220	22,700.0	13,000.0	0	
15:15	17:00	17,902.0	24.00	13.7	25	0	150.0	550	4,825.0	13.7	220	305	120	220	0.0	0.0	200	
17:00	18:30	17,926.0	154.00	102.7	42	60	630.0	520	4,850.0	102.7	220	305	120	220	26,000.0	14,000.0	0	
18:30	19:30	18,080.0	17.00	17.0	45	0	100.0	520	4,330.0	17.0	220	305	120	220	0.0	0.0	210	
19:30	20:00	18,097.0	63.00	126.0	42	60	600.0	520	4,820.0	126.0	220	305	120	220	25,000.0	14,200.0	0	
20:00	20:30	18,160.0	0.00		0	0	0.0	177	800.0	0.0	220	305	120	220	0.0	0.0	0	
20:30	21:30	18,160.0	105.00	105.0	40	60	600.0	520	4,820.0	105.0	220	305	120	220	25,000.0	14,200.0	0	
21:30	00:15	18,265.0	40.00	14.5	45	0	100.0	520	4,400.0	14.5	220	305	120	220	0.0	0.0	210	
00:15	01:00	18,305.0	60.00	80.0	40	60	600.0	520	4,880.0	80.0	220	305	120	220	24,000.0	14,200.0	0	
01:00	02:00	18,365.0	17.00	17.0	38	0	100.0	520	4,400.0	17.0	220	315	115	220	0.0	0.0	225	
02:00	05:00	18,382.0	348.00	116.0	40	60	630.0	520	4,975.0	107.1	220	315	115	220	25,500.0	14,500.0	0	
05:00	06:00	18,730.0	0.00		0	0	0.0	520	4,300.0	0.0	220	315	115	220	0.0	0.0	0	
Hydraulic Calculations																		
Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)		HP/Area (hp/in²)		Jet Vel (ft/s)		Bit dP (psi)		Min Open Hole AV (ft/min)		Max Open Hole AV (ft/min)		Vol DrillString (bbl)		Vol Bit to Shoe (bbl)		Vol Shoe to Top (bbl)
11.35	12.02	143.5		2.4		214.5		473.1		14.6		412.2		319.50		524.55		423.38
Mud Checks																		
Time 23:00		Mud Company PIONEER DRILLING FLUIDS				Type OIL BASE		Depth (ftKB) 18,267.0		Density (lb/gal) 11.35		Funnel Viscosity (s/qt) 50		T Flowline (°F) 136.0				
PV (cP) 17.0		YP (lbf/100ft²) 9.000		Vis 3rpm 7		Vis 6rpm 8		Filtrate (mL/30min)		HTHP Filtrate (mL/30min) 17.0		HTHP Temperature (°F) 250.0		HTHP Pressure (psi) 500.0				
Solids (%) 20.5				Low Gravity Solids (%) 9.7				Sand (%)		MBT (lb/bbl)		Pm (mL/mL)		Pf (mL/mL)				
Chlorides (ppm) 25,000,000.000				Calcium (ppm) 8,000,000.000			CaCl (ppm)		Oil Water Ratio 79.2/20.8		Electric Stab (V) 497.0		Lime (lb/bbl) 4.5		pH			
Gel 10 sec (lbf/100ft²) 11.000						Gel 10 min (lbf/100ft²) 15.000						Gel 30 min (lbf/100ft²) 21.000						
Comment RECOMMENDED FLUIDS TREATMENT Maintained 11.3 ppg MW. Bringing up to 11.4 ppg tonight. Running Diesel at 10.7 bbl/hr and Water at 2.7 bbl/hr for dilution. Treatment is 1.89 ppb CaCl2, 1.60 ppb Lime, 2.16 ppb Soltex/Gilsocol, .5 ppb Rheology Modifier and primary emulsifier, .25 ppb each Bentone 910.																		
DRILLING FLUIDS ACTIVITY LAST 24 HRS Mixing treatments in slug tank and blending over into active. Average MOC @ 120%.																		
Last BOP Test																		
Date		Test Type				Item Tested				Next Test Date		Com						
3/16/2021		BOP				BOP'S, 3/16/2021 13:00, <class>				4/6/2021		Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.						
Leak Off and Formation Integrity Tests																		
Test Type						Depth (ftKB)						Dens Fluid (lb/gal)						
FORMATION INTEGRITY						1,070.0						12.58						
FORMATION INTEGRITY						7,988.0						12.56						
Casing Pressure Test																		
Test Type				Test Subtype				Date		Item Tested				Failed?	Time (min)		P (psi)	
CASING				STANDARD				11/27/2020		SURFACE, 1,070.4ftKB				No	30.00		1,000.0	
CASING				STANDARD				3/24/2021		INTERMEDIATE, 8,229.0ftKB				No	30.00		2,500.0	
Kick Offs & Key Depths																		
Date						Type				Top Depth (ftKB)				Depth Top (TVD) (ftKB)				
3/24/2021 13:45						KICK OFF				8,290.0				8,049.1				
3/25/2021 08:30						HEEL				8,976.0				8,467.7				
3/30/2021 05:00						TOE				18,730.0				8,504.0				
Casing Strings																		
Description		Set Depth (ftKB)		Set Depth (TVD) (ftKB)		OD (in)		Grade		Wt/Len (lb/ft)		Top Thread		P LeakOff (psi)				
CONDUCTOR		128.0				20		H40		78.67								
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Casing Strings								
Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)	
SURFACE	1,070.4	1,069.7	13 3/8	K55	54.50	BTC	698.7	
INTERMEDIATE	8,229.0	7,988.2	9 5/8	L80-IC	40.00	BTC	5,055.0	
Gas Emissions - Flare								
Type	Method	Dur (min)	Amount	Units	Com			
Job Supply Amounts								
Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed
DIESEL	FUEL	GAL	7,291	2,767		Rig tank	9,654	32,721.0
DIESEL	MUD	GAL	7,297	7,108		Mud Tank	4,914	34,343.0
DIESEL	FUEL	GAL	0	0		Emergency tank	2,352	683.0
WATER	FRESH	BBL	0	0		Beginning: 231,877 End: 231,877	0	2,502.0
Mud Additive Amounts								
Des	Type	Units	Rec	Consumed	On Loc	Cum Cons		
BARITE - BULK	WEIGHTING MATERIAL	TON	24	29	35.0	145		
BCI OBM PRIMARY	OIL MUD ADDITIVE	GAL		1	3.0	6		
BCI OBM RHEO MODIFIER	OIL MUD ADDITIVE	GAL		1	3.0	4		
BENTONE 910	OIL MUD ADDITIVE	LB		10	41.0	73		
CALCIUM CHLORIDE	SALT	LB		71	91.0	359		
GILSOCOL GP	SPECIALITY	LB		46	52.0	166		
LIME	ALKALINITY CONTROL	LB		60	87.0	348		
SOLTEX	FLUID LOSS ADDITIVES	LB		35	85.0	155		
TRANSPORTATION	MISCELLANEOUS	EA	685	685	0.0	8,875		
Pump Operations								
Pump #	Make		Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)	
1	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
2	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
3	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
1	18,165.0	02:23	390.0	30	106	95		
1	18,165.0	02:23	520.0	40	141	95		
1	18,165.0	02:23	680.0	50	176	95		
2	18,165.0	02:23	410.0	30	106	95		
2	18,165.0	02:23	670.0	50	176	95		
2	18,165.0	02:23	500.0	40	141	95		
Deviation Surveys								
Date		Description				Job		
		FINAL SURVEY						
Date		Description				Job		
11/22/2020		AS DRILL SURVEY				ODR, 11/21/2020 21:30		
Survey Data - All surveys for 24 hr reporting period								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	
17,170.00	89.78	1.90	8,509.01	9,399.25	9,365.73	1,459.79	0.75	
17,264.00	89.66	0.88	8,509.47	9,493.24	9,459.70	1,462.07	1.09	
17,357.00	91.72	0.92	8,508.35	9,586.23	9,552.68	1,463.54	2.22	
17,451.00	90.83	0.33	8,506.26	9,680.19	9,646.65	1,464.56	1.14	
17,546.00	91.84	0.58	8,504.04	9,775.15	9,741.62	1,465.31	1.10	
17,640.00	89.60	1.65	8,502.86	9,869.14	9,835.59	1,467.14	2.64	
17,733.00	90.37	3.36	8,502.89	9,962.12	9,928.49	1,471.21	2.02	
17,827.00	90.24	3.41	8,502.39	10,056.06	10,022.33	1,476.76	0.15	
17,920.00	89.30	2.85	8,502.76	10,149.02	10,115.19	1,481.84	1.18	
18,014.00	89.68	3.32	8,503.60	10,242.97	10,209.05	1,486.89	0.64	
18,107.00	89.07	2.94	8,504.61	10,335.93	10,301.90	1,491.97	0.77	
18,202.00	92.78	4.52	8,503.08	10,430.82	10,396.67	1,498.15	4.24	
18,295.00	90.47	2.73	8,500.44	10,523.70	10,489.44	1,504.03	3.14	
18,389.00	86.91	357.97	8,502.59	10,617.62	10,583.37	1,504.60	6.32	
18,483.00	88.14	356.97	8,506.65	10,711.30	10,677.19	1,500.46	1.69	
18,576.00	91.20	357.35	8,507.19	10,804.03	10,770.06	1,495.85	3.32	
Formations								
Formation Name			Prog Top (TVD SS) Override (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)	
TARGET_1			-5,865.0		8,535.0			
PBHL/TD			-5,880.0		8,550.0			
Daily Contacts								
Job Contact		Title	Office	Mobile	Email			
HARDIN, JOE, AREA DRILLING SUPERINTENDENT		AREA DRILLING SUPERINTENDENT	361-452-2118	361-318-8762	JOE.HARDIN@PXD.COM			
DAFFRON, MIKE, SUPERINTENDENT		SUPERINTENDENT	432-385-9242	318-243-5902	MIKE.DAFFRON@PXD.COM			
JAY, JON, SUPERINTENDENT		SUPERINTENDENT	432-848-4581	432-234-2702	JON.JAY@PXD.COM			
SPACEK, KEITH, ENGINEER		ENGINEER	972-969-5932	972-741-1753	KEITH.SPACEK@PXD.COM			
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Daily Drilling Report

UNIVERSITY W2-34F 6H

PATTERSON - UTI - 804	
Accept: 3/16/2021	Release:
Days Since LTI: 968.00	Days Since RI: 248.00

PERMIAN - JV SOUTHERN WOLFCAMP	
Job:	ODR
Report Date:	3/30/2021
Report #:	16
DFS:	15
AFE #:	9011468
Total AFE + Sup:	\$2,283,773.46
Daily Field Est. (Cost):	\$92,608.35

Daily Contacts				
Job Contact	Title	Office	Mobile	Email
ROGERS, WILL, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		806-549-1545	WILL.ROGERS@PXD.COM
TSCHACHER, NYANA, FIELD ENGINEER	FIELD ENGINEER	432-571-2800	432-438-5117	NYANA.TSCHACHER@PXD.COM
JACKSON, MATTHEW, MUD ENGINEER	MUD ENGINEER	512-393-4397		MATTHEW.JACKSON@PXD.COM
RIG-PATTERSON 804, RIG PHONE	RIG PHONE	432-355-3141	432-238-4084	
Personnel Log				
Company				Count
PIONEER NATURAL RESOURCES USA INC				2
PATTERSON-UTI DRILLING COMPANY LLC				13
INTREPID DIRECTIONAL DRILLING SPECIALISTS				3
GISLER BROTHERS LOGGING CO INC				1
CRESCENT DRILLING FOREMAN INC				1
HALLIBURTON ENERGY SERVICES INC				1

Daily Drilling Report

UNIVERSITY W2-34F 6H				PERMIAN - JV SOUTHERN WOLFCAMP			
PATTERSON - UTI - 804				Job: ODR			
Accept: 3/16/2021				Report Date: 3/30/2021			
Days Since LTI: 968.00				Report #: 16			
Release:				DFS: 15			
Days Since RI: 248.00				AFE #: 9011468			
				Total AFE + Sup: \$2,283,773.46			
				Daily Field Est. (Cost): \$92,608.35			

PWI/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)											
SSN ID00020527		Property Sub	KB-Grd (ft) 28.00	Orig KB Elev (ft) 2,670.00	Ground Elevation (ft) 2,642.00	Spud Date 11/22/2020		TD Date 3/30/2021									
Jobs																	
Responsible Grp 2 DRL ENG - KEITH SPACEK		Responsible Grp 3 AREA TEAM 4		Job Type ODR	Start Date 11/21/2020 21:30		End Date		Job Status IN PROGRESS								
Job Dates (ex. Estimated Pad Release, TXRRC Calls)																	
Type MILESTONE			Subtype ESTIMATED PAD RELEASE		Date 5/17/2021		Note Drilling 4th Lateral on a 7 well pad (3-26-21)										
Daily Operations																	
Footage/Meterage (ft) 1,601.00		Drilling Hours (hr) 22.50		% Rotating Time (%) 53.33		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0									
						Daily Field Est Total (Cost) 92,608.35		Cum Field Est To Date (Cost) 1,628,494.38									
24 HR ROP (ft/hr) 71.2		Circulating Hours (hr) 1.50		% Sliding Time (%) 46.67		End Depth (TVD) (ftKB) 8,504.0		Target Depth (TVD) (ftKB) 8,550.0									
						Daily Mud Field Est (Cost) 13,393.74		Cum Mud Field Est (Cost) 102,589.36									
								Total AFE + Sup (Cost) 2,283,773.46									
Daily Goal Description DRILLED FEET			Daily Goal - Last 24 1,615.0			Daily Goal - Next 24 0.0			Goal Comments Goal Met								
Backbuild Yes	Lateral Inclination	Last Casing String INTERMEDIATE, 8,229.0ftKB					Next Casing String PRODUCTION, 18,714.0ftKB										
Avg Connection Gas 457.00		Avg Trip Gas 0.00		Avg Background Gas 342.00		Max Connection Gas 809.00		Max Trip Gas 0.00									
								Max Drill Gas 660.00									
Operations Summary Drill lateral F/17,129' T/18,730' (TD) (46% sliding, 1.96° avg lateral DLS, 5.2' above, 4.48' right). Begin K&M Cleanup Cycle.																	
Operations Next Report Period Finish circulating K&M cleanup cycle. TOO. L/D BHA. RU and run 5.5" production casing.																	
Operations at Report Time Circulate K&M Cleanup Cycle																	
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 75.75 hrs; Dly: 0 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported																	
Time Log																	
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com	Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #							
06:00	14	20:00	PROD, DRL LAT	DRL	NORMAL	Drill Lateral F/ 17,129' - T/ 18,160' (1,031' @ 73 fph) WOB 42-46, GPM 550, SPP 4800-4900 , DIFF 650.	17,129.0	18,160.0									
20:00	0.5	20:30	PROD, DRL LAT	RIG_SVC	NORMAL	Rig service.	18,160.0	18,160.0									
20:30	8.5	05:00	PROD, DRL LAT	DRL	NORMAL	Drill Lateral F/ 18,160' - T/ 18,730 (570' @ 65 fph) WOB 42-46, GPM 550, SPP 4800-4900 , DIFF 650.	18,160.0	18,730.0									
05:00	1	06:00	PROD, POST DRL	K&M_CLEANUP	NORMAL	Perform K & M clean up cycles, CBU x 6.5. Full returns.	18,730.0	18,730.0									
Drill Strings																	
BHA #3 , PRODUCTION - CURVE/LATERAL																	
Bit Run 3			Drill Bit 8 3/4in, CF611, 50988				Bit Type PDC		Make ULTERRA								
Nozzles (1/32") 13/13/13/13/13			Bit Total Fluid Area (nozzles) (in²) 0.78		IADC Bit Dull -----		Hours Drilled By Bit (hr) 131.25		Depth Drilled By Bit (ft) 10,491.00								
BHA Drilling Time (hr) 131.25			BHA Depth Drilled (ft) 10,491.00		BHA ROP (ft/hr) 79.9		Depth In (ftKB) 8,239.0		Depth Out (ftKB) 18,730.0								
Drill String Components																	
Jts	Item Des			OD (in)	ID (in)	Len (ft)	Cum Len (ft)	Wt (lbf)	Cum Wt (1000lbf)	Make							
226	DRILL PIPE			5	4.27	7,135.34	18,730.00	139,139.1	519	RIG							
42	HWDP - SPIRALED			5	3.00	1,268.53	11,594.66	73,574.7	380	RIG							
238	DRILL PIPE			5	4.27	7,433.69	10,326.13	144,957.0	306	RIG							
1	AGITATOR			6 3/4	2.50	22.97	2,892.44		161	NOV							
89	DRILL PIPE			5	4.28	2,781.46	2,869.47	161,324.7	161	RIG							
1	DRILL COLLAR - NON MAG			6 5/8	3.25	29.79	88.01		0	INTREPID							
1	DRILL COLLAR - NON MAG			6 5/8	3.25	29.23	58.22		0	INTREPID							
1	SUB - UBHO			6 3/4	2.81	3.18	28.99		0	INTREPID							
1	MOTOR - TRUE SLICK			6.756	2.81	24.81	25.81		0	INTREPID							
Mud Motors																	
SN		Bend Angle		Bearing Type	Lobe Config		# Stages		Lwr DefIn Type								
XSS67072 / XS677850-072		2		NOT SEALED	7:8		5										
Sensors																	
Sensor Type			Sensor-Bit (ft)				Note										
GAMMA			38.00														
DIRECTIONAL			53.00														
Drilling Parameters																	
Start Time	End Time	Start Depth (ftKB)	Int Depth (ft)	Int ROP (ft/hr)	WOB (1000lbf)	RPM (rpm)	dP (SPP) (psi)	Q Flow (gpm)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Off-Btm Str Wt (1000lbf)	Drill Tq	Off Btm Tq	TFO (°)
06:00	07:45	17,129.0	311.00	177.7	45	60	600.0	525	5,020.0	177.7	220	305	120	220	24,000.0	12,000.0	0
Daily Drilling Report																	

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Drilling Parameters																		
Start Time	End Time	Start Depth (ftKB)	Int Depth (ft)	Int ROP (ft/hr)	WOB (1000lbf)	RPM (rpm)	dP (SPP) (psi)	Q Flow (gpm)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Off-Btm Str Wt (1000lbf)	Drill Tq	Off Btm Tq	TFO (°)	
07:45	09:15	17,440.0	14.00	9.3	30	0	100.0	550	4,750.0	9.3	220	305	120	220	0.0	0.0	180	
09:15	10:30	17,454.0	166.00	132.8	40	60	630.0	525	4,925.0	132.8	220	305	120	220	23,400.0	12,000.0	0	
10:30	11:45	17,620.0	22.00	17.6	25	0	100.0	550	4,765.0	17.6	220	305	120	220	0.0	0.0	180	
11:45	13:15	17,642.0	164.00	109.3	38	60	640.0	525	4,970.0	109.3	220	305	120	220	25,000.0	13,000.0	0	
13:15	14:30	17,806.0	15.00	12.0	40	0	100.0	525	4,760.0	12.0	220	305	120	220	0.0	0.0	200	
14:30	15:15	17,821.0	81.00	108.0	40	60	450.0	525	4,700.0	108.0	220	305	120	220	22,700.0	13,000.0	0	
15:15	17:00	17,902.0	24.00	13.7	25	0	150.0	550	4,825.0	13.7	220	305	120	220	0.0	0.0	200	
17:00	18:30	17,926.0	154.00	102.7	42	60	630.0	520	4,850.0	102.7	220	305	120	220	26,000.0	14,000.0	0	
18:30	19:30	18,080.0	17.00	17.0	45	0	100.0	520	4,330.0	17.0	220	305	120	220	0.0	0.0	210	
19:30	20:00	18,097.0	63.00	126.0	42	60	600.0	520	4,820.0	126.0	220	305	120	220	25,000.0	14,200.0	0	
20:00	20:30	18,160.0	0.00		0	0	0.0	177	800.0	0.0	220	305	120	220	0.0	0.0	0	
20:30	21:30	18,160.0	105.00	105.0	40	60	600.0	520	4,820.0	105.0	220	305	120	220	25,000.0	14,200.0	0	
21:30	00:15	18,265.0	40.00	14.5	45	0	100.0	520	4,400.0	14.5	220	305	120	220	0.0	0.0	210	
00:15	01:00	18,305.0	60.00	80.0	40	60	600.0	520	4,880.0	80.0	220	305	120	220	24,000.0	14,200.0	0	
01:00	02:00	18,365.0	17.00	17.0	38	0	100.0	520	4,400.0	17.0	220	315	115	220	0.0	0.0	225	
02:00	05:00	18,382.0	348.00	116.0	40	60	630.0	520	4,975.0	107.1	220	315	115	220	25,500.0	14,500.0	0	
05:00	06:00	18,730.0	0.00		0	0	0.0	520	4,300.0	0.0	220	315	115	220	0.0	0.0	0	
Hydraulic Calculations																		
Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)		HP/Area (hp/in²)		Jet Vel (ft/s)		Bit dP (psi)		Min Open Hole AV (ft/min)		Max Open Hole AV (ft/min)		Vol DrillString (bbl)		Vol Bit to Shoe (bbl)		Vol Shoe to Top (bbl)
11.35	12.02	143.5		2.4		214.5		473.1		14.6		412.2		319.50		524.55		423.38
Mud Checks																		
Time 23:00		Mud Company PIONEER DRILLING FLUIDS				Type OIL BASE		Depth (ftKB) 18,267.0		Density (lb/gal) 11.35		Funnel Viscosity (s/qt) 50		T Flowline (°F) 136.0				
PV (cP) 17.0		YP (lb/100ft²) 9.000		Vis 3rpm 7		Vis 6rpm 8		Filtrate (mL/30min)		HTHP Filtrate (mL/30min) 17.0		HTHP Temperature (°F) 250.0		HTHP Pressure (psi) 500.0				
Solids (%) 20.5				Low Gravity Solids (%) 9.7				Sand (%)		MBT (lb/bbl)		Pm (mL/mL)		Pf (mL/mL)				
Chlorides (ppm) 25,000,000.000				Calcium (ppm) 8,000,000.000			CaCl (ppm)		Oil Water Ratio 79.2/20.8		Electric Stab (V) 497.0		Lime (lb/bbl) 4.5		pH			
Gel 10 sec (lb/100ft²) 11.000						Gel 10 min (lb/100ft²) 15.000						Gel 30 min (lb/100ft²) 21.000						
Comment RECOMMENDED FLUIDS TREATMENT Maintained 11.3 ppg MW. Bringing up to 11.4 ppg tonight. Running Diesel at 10.7 bbl/hr and Water at 2.7 bbl/hr for dilution. Treatment is 1.89 ppb CaCl2, 1.60 ppb Lime, 2.16 ppb Soltex/Gilsocol, .5 ppb Rheology Modifier and primary emulsifier, .25 ppb each Bentone 910. DRILLING FLUIDS ACTIVITY LAST 24 HRS Mixing treatments in slug tank and blending over into active. Average MOC @ 120%.																		
Last BOP Test																		
Date		Test Type				Item Tested				Next Test Date		Com						
3/16/2021		BOP				BOP'S, 3/16/2021 13:00, <class>				4/6/2021		Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.						
Leak Off and Formation Integrity Tests																		
Test Type						Depth (ftKB)						Dens Fluid (lb/gal)						
FORMATION INTEGRITY						1,070.0						12.58						
FORMATION INTEGRITY						7,988.0						12.56						
Casing Pressure Test																		
Test Type				Test Subtype				Date		Item Tested				Failed?	Time (min)		P (psi)	
CASING				STANDARD				11/27/2020		SURFACE, 1,070.4ftKB				No	30.00		1,000.0	
CASING				STANDARD				3/24/2021		INTERMEDIATE, 8,229.0ftKB				No	30.00		2,500.0	
Kick Offs & Key Depths																		
Date						Type				Top Depth (ftKB)				Depth Top (TVD) (ftKB)				
3/24/2021 13:45						KICK OFF				8,290.0				8,049.1				
3/25/2021 08:30						HEEL				8,976.0				8,467.7				
3/30/2021 05:00						TOE				18,730.0				8,504.0				
Casing Strings																		
Description		Set Depth (ftKB)		Set Depth (TVD) (ftKB)		OD (in)		Grade		Wt/Len (lb/ft)		Top Thread		P LeakOff (psi)				
CONDUCTOR		128.0				20		H40		78.67								
Daily Drilling Report																		
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Daily Drilling Report

Casing Strings								
Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)	
SURFACE	1,070.4	1,069.7	13 3/8	K55	54.50	BTC	698.7	
INTERMEDIATE	8,229.0	7,988.2	9 5/8	L80-IC	40.00	BTC	5,055.0	
Gas Emissions - Flare								
Type	Method	Dur (min)	Amount	Units	Com			
Job Supply Amounts								
Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed
DIESEL	FUEL	GAL	7,291	2,767		Rig tank	9,654	32,721.0
DIESEL	MUD	GAL	7,297	7,108		Mud Tank	4,914	34,343.0
DIESEL	FUEL	GAL	0	0		Emergency tank	2,352	683.0
WATER	FRESH	BBL	0	0		Beginning: 231,877 End: 231,877	0	2,502.0
Mud Additive Amounts								
Des	Type	Units	Rec	Consumed	On Loc	Cum Cons		
BARITE - BULK	WEIGHTING MATERIAL	TON	24	29	35.0	145		
BCI OBM PRIMARY	OIL MUD ADDITIVE	GAL		1	3.0	6		
BCI OBM RHEO MODIFIER	OIL MUD ADDITIVE	GAL		1	3.0	4		
BENTONE 910	OIL MUD ADDITIVE	LB		10	41.0	73		
CALCIUM CHLORIDE	SALT	LB		71	91.0	359		
GILSOCOL GP	SPECIALITY	LB		46	52.0	166		
LIME	ALKALINITY CONTROL	LB		60	87.0	348		
SOLTEX	FLUID LOSS ADDITIVES	LB		35	85.0	155		
TRANSPORTATION	MISCELLANEOUS	EA	685	685	0.0	8,875		
Pump Operations								
Pump #	Make		Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)	
1	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
2	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
3	BOMCO		F1600	5 1/2	12.00	0.088	5,556.0	
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
1	18,165.0	02:23	390.0	30	106	95		
1	18,165.0	02:23	520.0	40	141	95		
1	18,165.0	02:23	680.0	50	176	95		
2	18,165.0	02:23	410.0	30	106	95		
2	18,165.0	02:23	670.0	50	176	95		
2	18,165.0	02:23	500.0	40	141	95		
Deviation Surveys								
Date		Description				Job		
		FINAL SURVEY						
Date		Description				Job		
11/22/2020		AS DRILL SURVEY				ODR, 11/21/2020 21:30		
Survey Data - All surveys for 24 hr reporting period								
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	
17,170.00	89.78	1.90	8,509.01	9,399.25	9,365.73	1,459.79	0.75	
17,264.00	89.66	0.88	8,509.47	9,493.24	9,459.70	1,462.07	1.09	
17,357.00	91.72	0.92	8,508.35	9,586.23	9,552.68	1,463.54	2.22	
17,451.00	90.83	0.33	8,506.26	9,680.19	9,646.65	1,464.56	1.14	
17,546.00	91.84	0.58	8,504.04	9,775.15	9,741.62	1,465.31	1.10	
17,640.00	89.60	1.65	8,502.86	9,869.14	9,835.59	1,467.14	2.64	
17,733.00	90.37	3.36	8,502.89	9,962.12	9,928.49	1,471.21	2.02	
17,827.00	90.24	3.41	8,502.39	10,056.06	10,022.33	1,476.76	0.15	
17,920.00	89.30	2.85	8,502.76	10,149.02	10,115.19	1,481.84	1.18	
18,014.00	89.68	3.32	8,503.60	10,242.97	10,209.05	1,486.89	0.64	
18,107.00	89.07	2.94	8,504.61	10,335.93	10,301.90	1,491.97	0.77	
18,202.00	92.78	4.52	8,503.08	10,430.82	10,396.67	1,498.15	4.24	
18,295.00	90.47	2.73	8,500.44	10,523.70	10,489.44	1,504.03	3.14	
18,389.00	86.91	357.97	8,502.59	10,617.62	10,583.37	1,504.60	6.32	
18,483.00	88.14	356.97	8,506.65	10,711.30	10,677.19	1,500.46	1.69	
18,576.00	91.20	357.35	8,507.19	10,804.03	10,770.06	1,495.85	3.32	
Formations								
Formation Name			Prog Top (TVD SS) Override (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)	
TARGET_1			-5,865.0		8,535.0			
PBHL/TD			-5,880.0		8,550.0			
Daily Contacts								
Job Contact		Title	Office	Mobile	Email			
HARDIN, JOE, AREA DRILLING SUPERINTENDENT		AREA DRILLING SUPERINTENDENT	361-452-2118	361-318-8762	JOE.HARDIN@PXD.COM			
DAFFRON, MIKE, SUPERINTENDENT		SUPERINTENDENT	432-385-9242	318-243-5902	MIKE.DAFFRON@PXD.COM			
JAY, JON, SUPERINTENDENT		SUPERINTENDENT	432-848-4581	432-234-2702	JON.JAY@PXD.COM			
SPACEK, KEITH, ENGINEER		ENGINEER	972-969-5932	972-741-1753	KEITH.SPACEK@PXD.COM			
Daily Drilling Report				Page 3/4		Printed: Tuesday, March 30, 2021		

Daily Drilling Report

PATTERSON - UTI - 804

Accept: 3/16/2021	Release:
Days Since LTI: 968.00	Days Since RI: 248.00

PERMIAN - JV SOUTHERN WOLFCAMP	
Job:	ODR
Report Date:	3/30/2021
Report #:	16
DFS:	15
AFE #:	9011468
Total AFE + Sup:	\$2,283,773.46
Daily Field Est. (Cost):	\$92,608.35

Daily Contacts				
Job Contact	Title	Office	Mobile	Email
ROGERS, WILL, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		806-549-1545	WILL.ROGERS@PXD.COM
TSCHACHER, NYANA, FIELD ENGINEER	FIELD ENGINEER	432-571-2800	432-438-5117	NYANA.TSCHACHER@PXD.COM
JACKSON, MATTHEW, MUD ENGINEER	MUD ENGINEER	512-393-4397		MATTHEW.JACKSON@PXD.COM
RIG-PATTERSON 804, RIG PHONE	RIG PHONE	432-355-3141	432-238-4084	
Personnel Log				
Company				Count
PIONEER NATURAL RESOURCES USA INC				2
PATTERSON-UTI DRILLING COMPANY LLC				13
INTREPID DIRECTIONAL DRILLING SPECIALISTS				3
GISLER BROTHERS LOGGING CO INC				1
CRESCENT DRILLING FOREMAN INC				1
HALLIBURTON ENERGY SERVICES INC				1

Daily Drilling Report

UNIVERSITY W2-34F 6H				PERMIAN - JV SOUTHERN WOLFCAMP	
PATTERSON - UTI - 804				Job:	ODR
Accept: 3/16/2021				Report Date:	3/31/2021
Days Since LTI: 969.00				Report #:	17
Release:				DFS:	16
Days Since RI: 249.00				AFE #:	9011468
				Total AFE + Sup:	\$2,283,773.46
				Daily Field Est. (Cost):	\$322,945.97

API/UWI 42-383-40908-0000		Well Profile HORIZONTAL		Open Formation WOLFCAMP B2 (WFMP B2)		Field Name SPRABERRY (TREND AREA)						
SSN ID00020527		Property Sub		KB-Grd (ft) 28.00	Orig KB Elev (ft) 2,670.00	Ground Elevation (ft) 2,642.00	Spud Date 11/22/2020	TD Date 3/30/2021				
Jobs												
Responsible Grp 2 DRL ENG - KEITH SPACEK		Responsible Grp 3 AREA TEAM 4		Job Type ODR	Start Date 11/21/2020 21:30		End Date		Job Status IN PROGRESS			
Job Dates (ex. Estimated Pad Release, TXRRC Calls)												
Type MILESTONE			Subtype ESTIMATED PAD RELEASE		Date 5/17/2021		Note Drilling 4th Lateral on a 7 well pad (3-26-21)					
Type TXRRC CALL			Subtype CEMENT PROD		Date 3/30/2021		Note Ivey , Job #239601					
Daily Operations												
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 18,730.0		Target Depth (ftKB) 18,683.0		Daily Field Est Total (Cost) 322,945.97	Cum Field Est To Date (Cost) 1,979,904.73	
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 8,504.0		Target Depth (TVD) (ftKB) 8,550.0		Daily Mud Field Est (Cost) 10,942.97	Cum Mud Field Est (Cost) 113,522.33	Total AFE + Sup (Cost) 2,283,773.46
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 0.0				Daily Goal - Next 24 0.0		Goal Comments Goal Met		
Backbuild Yes		Lateral Inclination Toe Up		Last Casing String INTERMEDIATE, 8,229.0ftKB					Next Casing String PRODUCTION, 18,714.0ftKB			
Avg Connection Gas 480.00		Avg Trip Gas 0.00		Avg Background Gas 422.00		Max Connection Gas 673.00		Max Trip Gas 0.00		Max Drill Gas 529.00		
Operations Summary Finish circulating K&M cleanup cycle. TOO H. L/D BHA. RU and run 5.5" production casing T/1,475'												
Operations Next Report Period Run 5.5" production casing T/18,714'. Cement same.												
Operations at Report Time Run 5.5" production casing @ 1,475'												
Remarks TD Inter: 3/22/2021 @ 3:00 TD Production: 3/30/2021 @ 5:00 March. NPT: Cum: 75.75 hrs; Dly: 0 hrs Surf: 100% Int. 1: 100% Prod Vert: 100% Prod. Curve: 100% Prod. Lateral: 100% No Incidents or Spills Reported												
Time Log												
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com		Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #	
06:00	5	11:00	PROD, POST DRL	K&M_CLEANUP	NORMAL	Perform K & M clean up cycles, CBU x 6.5. Full returns. 2nd BU 50% screen coverage 3rd BU 35% screen coverage 4th BU 20% screen coverage (only fines) 5th BU 15% screen coverage (only fines) 6th BU 5% screen coverage (only fines)		18,730.0	18,730.0			
11:00	0.25	11:15	PROD, POST DRL	FLOW_CHK	NORMAL	Flow Check well on trip tanks, well static.		18,730.0	18,730.0			
11:15	4.5	15:45	PROD, POST DRL	TOOH_ELEV	NORMAL	TOOH F/18,730' - T/11,600', Proper hole fill observed on trip tanks, no excess overpull.		18,730.0	18,730.0			
15:45	1.25	17:00	PROD, POST DRL	HDL_BHA	NORMAL	Rack back 14 stands of HWDP f/ 11,600' t/ 10,350'. Installing slick joint of HWDP on top of every double.		18,730.0	18,730.0			
17:00	0.5	17:30	PROD, POST DRL	L/D BHA	NORMAL	L/D 14 joints of spiral HWDP		18,730.0	18,730.0			
17:30	1.25	18:45	PROD, POST DRL	TOOH_ELEV	NORMAL	TOOH F/10,350' - T/8,058', Proper hole fill observed on trip tank.		18,730.0	18,730.0			
18:45	0.25	19:00	PROD, POST DRL	FLOW_CHK	NORMAL	Flow check well at intermediate csg shoe, Well Static.		18,730.0	18,730.0			
19:00	0.75	19:45	PROD, POST DRL	SLIP_CUT	NORMAL	Slip and Cut Drill line.		18,730.0	18,730.0			
19:45	0.5	20:15	PROD, POST DRL	RIG_SVC	NORMAL	Rig service.		18,730.0	18,730.0			
20:15	0.25	20:30	PROD, POST DRL	HDL_ROT HD	NORMAL	Remove rotating head, and install trip nipple.		18,730.0	18,730.0			
20:30	1.75	22:15	PROD, POST DRL	TOOH_ELEV	NORMAL	TOOH F/8,058' - T/ 3,000', Proper hole fill observed on trip tanks.		18,730.0	18,730.0			
22:15	0.25	22:30	PROD, POST DRL	HDL_AGITATOR	NORMAL	L/D agitator		18,730.0	18,730.0			
Daily Drilling Report				Page 1/4				Printed: Wednesday, March 31, 2021				

Daily Drilling Report

UNIVERSITY W2-34F 6H

PATTERSON - UTI - 804

Accept: 3/16/2021Release: Days Since LTI: 969.00Days Since RI: 249.00

PERMIAN - JV SOUTHERN WOLFCAMP

Job: ODR

Report Date: 3/31/2021

Report #: 17

DFS: 16

AFE #: 9011468

Total AFE + Sup: \$2,283,773.46

Daily Field Est. (Cost): \$322,945.97

Last BOP Test								
Date	Test Type	Item Tested	Next Test Date	Com				
3/16/2021	BOP	BOP'S, 3/16/2021 13:00, <class>	4/6/2021	Perform BOP Test - Test Blinds, Uppers, Lower, HCR, Kill Line to 250 psi Low and 5000 psi High. Test Annular to 250 psi Low and 3500 psi High. Test back to pumps T/5500.				
Leak Off and Formation Integrity Tests								
Test Type		Depth (ftKB)		Dens Fluid (lb/gal)				
FORMATION INTEGRITY		1,070.0		12.58				
FORMATION INTEGRITY		7,988.0		12.56				
Casing Pressure Test								
Test Type	Test Subtype	Date	Item Tested	Failed?	Time (min)	P (psi)		
CASING	STANDARD	11/27/2020	SURFACE, 1,070.4ftKB	No	30.00	1,000.0		
CASING	STANDARD	3/24/2021	INTERMEDIATE, 8,229.0ftKB	No	30.00	2,500.0		
Kick Offs & Key Depths								
Date	Type	Top Depth (ftKB)	Depth Top (TVD) (ftKB)					
3/24/2021 13:45	KICK OFF	8,290.0	8,049.1					
3/25/2021 08:30	HEEL	8,976.0	8,467.7					
3/30/2021 05:00	TOE	18,730.0	8,504.0					
Casing Strings								
Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)	
CONDUCTOR	128.0		20	H40	78.67			
SURFACE	1,070.4	1,069.7	13 3/8	K55	54.50	BTC	698.7	
INTERMEDIATE	8,229.0	7,988.2	9 5/8	L80-IC	40.00	BTC	5,055.0	
Gas Emissions - Flare								
Type	Method	Dur (min)	Amount	Units	Com			
Job Supply Amounts								
Supply Item Des	Type	Unit Label	Received	Consumed	Returned	Note	Cum On Loc	Cum Consumed
DIESEL	FUEL	GAL	0	1,967		Rig tank	7,687	34,688.0
DIESEL	MUD	GAL	7,294	5,005		Mud Tank	7,203	39,348.0
DIESEL	FUEL	GAL	0	0		Emergency tank	2,352	683.0
WATER	FRESH	BBL	0	0		Beginning: 231,877 End: 231,877	0	2,502.0
Mud Additive Amounts								
Des	Type	Units	Rec	Consumed	On Loc	Cum Cons		
ALUMINUM STEARATE	DEFOAMER	LB		1	6.0	3		
BARITE - BULK	WEIGHTING MATERIAL	TON		13	22.0	158		
BCI OBM PRIMARY	OIL MUD ADDITIVE	GAL		1	2.0	7		
BCI OBM RHEO MODIFIER	OIL MUD ADDITIVE	GAL		1	2.0	5		
BENTONE 910	OIL MUD ADDITIVE	LB		15	26.0	88		
BENTONE 990	OIL MUD ADDITIVE	LB		15	54.0	79		
CALCIUM CHLORIDE	SALT	LB		50	41.0	409		
GILSOCOL GP	SPECIALITY	LB		31	21.0	197		
LIME	ALKALINITY CONTROL	LB		30	57.0	378		
SOLTEX	FLUID LOSS ADDITIVES	LB		40	45.0	195		
Pump Operations								
Pump #	Make	Model	Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)	P Max (psi)		
1	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0		
2	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0		
3	BOMCO	F1600	5 1/2	12.00	0.088	5,556.0		
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
Deviation Surveys								
Date	Description	Job						
	FINAL SURVEY							
Date	Description	Job						
11/22/2020	AS DRILL SURVEY	ODR, 11/21/2020 21:30						
Formations								
Formation Name	Prog Top (TVD SS) Override (ft(elv))	Prog Top MD (ftKB)	Prog Top (TVD) (ftKB)	Final Top MD (ftKB)	Final Top (TVD) (ftKB)			
TARGET_1	-5,865.0		8,535.0					
PBHL/TD	-5,880.0		8,550.0					
Daily Contacts								
Job Contact	Title	Office	Mobile	Email				
HARDIN, JOE, AREA DRILLING SUPERINTENDENT	AREA DRILLING SUPERINTENDENT	361-452-2118	361-318-8762	JOE.HARDIN@PXD.COM				
DAFFRON, MIKE, SUPERINTENDENT	SUPERINTENDENT	432-385-9242	318-243-5902	MIKE.DAFFRON@PXD.COM				
JAY, JON, SUPERINTENDENT	SUPERINTENDENT	432-848-4581	432-234-2702	JON.JAY@PXD.COM				
SPACEK, KEITH, ENGINEER	ENGINEER	972-969-5932	972-741-1753	KEITH.SPACEK@PXD.COM				
ROGERS, WILL, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		806-549-1545	WILL.ROGERS@PXD.COM				
TSCHACHER, NYANA, FIELD ENGINEER	FIELD ENGINEER	432-571-2800	432-438-5117	NYANA.TSCHACHER@PXD.COM				
JACKSON, MATTHEW, MUD ENGINEER	MUD ENGINEER	512-393-4397		MATTHEW.JACKSON@PXD.COM				
RIG-PATTERSON 804, RIG PHONE	RIG PHONE	432-355-3141	432-238-4084					
Daily Drilling Report		Page 3/4		Printed: Wednesday, March 31, 2021				

Daily Drilling Report

UNIVERSITY W2-34F 6H		PERMIAN - JV SOUTHERN WOLFCAMP
		Job: ODR
		Report Date: 3/31/2021
		Report #: 17
		DFS: 16
		AFE #: 9011468
PATTERSON - UTI - 804		Total AFE + Sup: \$2,283,773.46
Accept: 3/16/2021	Release:	Daily Field Est. (Cost): \$322,945.97
Days Since LTI: 969.00	Days Since RI: 249.00	

Personnel Log	
Company	Count
PIONEER NATURAL RESOURCES USA INC	2
PATTERSON-UTI DRILLING COMPANY LLC	13
INTREPID DIRECTIONAL DRILLING SPECIALISTS	3
GISLER BROTHERS LOGGING CO INC	1
CRESCENT DRILLING FOREMAN INC	1
HALLIBURTON ENERGY SERVICES INC	1