

Daily Drilling Report

API/UWI 42-475-38226-0000		Well Profile HORIZONTAL		Open Formation BONE SPRING 3 (BSPG 3)		Field Name PHANTOM (WOLFCAMP)				
SSN ID00057481	Property Sub	KB-Grd (ft) 26.00	Orig KB Elev (ft) 2,728.00	Ground Elevation (ft) 2,702.00	Spud Date 7/15/2021	TD Date				
Jobs										
Responsible Grp 2 DRL ENG - ALEXANDER LINDBLAD		Responsible Grp 3 AREA TEAM 1		Job Type ODR	Start Date 7/15/2021 06:00	End Date		Job Status IN PROGRESS		
Job Dates (ex. Estimated Pad Release, TXRRC Calls)										
Type			Subtype		Date		Note			
Daily Operations										
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 1,029.0		Target Depth (ftKB)		
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 1,028.5		Target Depth (TVD) (ftKB)		
Daily Goal Description		Daily Goal - Last 24				Daily Goal - Next 24		Goal Comments		
Backbuild		Lateral Inclination		Last Casing String SURFACE, 1,011.3ftKB				Next Casing String		
Avg Connection Gas		Avg Trip Gas		Avg Background Gas		Max Connection Gas		Max Trip Gas		
Avg Drill Gas										
Operations Summary Move over UTL 1308D 3808H & rig up,Perferate casing & cement										
Operations Next Report Period Release rig										
Operations at Report Time Release rig										
Remarks										
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	0.5	06:30	CONST, DRL SURF	SFTY	NORMAL	Hold safety meeting with Cantrell Trucking and Pioneer.	1,029.0	1,029.0		
06:30	1.5	08:00	CONST, DRL SURF	MOVE	NORMAL	Mobilize back to UTL 1308D 3808H, spot mud tank, both mud pumps, gen house and frac tank	1,029.0	1,029.0		
08:00	10	18:00	CONST, DRL SURF	RU MIRU	NORMAL	Spot unit over the hole, spot dog house, pipe loader, pipe racks and trash pumps and rig up. Rig up hoses and strap drill pipe.	1,029.0	1,029.0		
18:00	1	19:00	CONST, DRL SURF	RIG_INSP	NORMAL	Pre spud inspection, function test and complete drops inspection.	1,029.0	1,029.0		
19:00	0.5	19:30	CONST, DRL SURF	SFTY	NORMAL	Hold safety meeting with Dialog, Permian 5, Haliburton and Pioneer.	1,029.0	1,029.0		
19:30	0.5	20:00	CONST, DRL SURF	RU_WL	NORMAL	Pick up 13 3/8 landing joint and made up Lubricator with Dialog.	1,029.0	1,029.0		
20:00	0.5	20:30	CONST, DRL SURF	CSG_TEST	NORMAL	Test 13 3/8 casing to 1000 PSI with mud pump for 30 minutes.	1,029.0	1,029.0		
20:30	0.5	21:00	CONST, DRL SURF	WL	NORMAL	Run in the hole with 2'Perf guns and perforate 6 shots per foot from 778' to 780'.	1,029.0	1,029.0		
21:00	1	22:00	CONST, DRL SURF	RU_WL	NORMAL	Rig down and lay out Dialog Lubricator and tools.	1,029.0	1,029.0		
22:00	0.5	22:30	CONST, DRL SURF	SFTY	NORMAL	Hold safety meeting with Haliburton, Permian 5 and Pioneer.	1,029.0	1,029.0		
22:30	0.5	23:00	CONST, DRL SURF	HDL_BHA	NORMAL	Pick up and Make up Haliburton cement retainer on drill pipe	1,029.0	1,029.0		
23:00	1	00:00	CONST, DRL SURF	TIH_NONELEV	NORMAL	Trip in the hole with 23 joints of drill pipe and set cement retainer @ 724'	1,029.0	1,029.0		
00:00	0.5	00:30	CONST, DRL SURF	SFTY	NORMAL	Hold safety meeting Permian 5, Haliburton and Pioneer.	1,029.0	1,029.0		
00:30	1	01:30	CONST, DRL SURF	CMT	NORMAL	Cement with Permian 5, LEAD- Total sks: 445, TAIL- Total sks: 491 and displace with 9 bbls of fresh water. Circulated 77 bbls of cement to surface.	1,029.0	1,029.0		
01:30	1	02:30	CONST, DRL SURF	CIRC	NORMAL	Unsting from cement retainer and drop Nerf ball to clean internal walls of drill pipe and circulate 1.5 BU with Permian 5.	1,029.0	1,029.0		
02:30	1	03:30	CONST, DRL SURF	TOOH_NONEL EV	NORMAL	Trip out the hole with stinger.	1,029.0	1,029.0		
03:30	0.5	04:00	CONST, DRL SURF	RD RDMO	NORMAL	Rig down Haliburton stinger with Haliburton and Rig Release @ 330 (Total Fuel Used in 24 Hours=124 gal)	1,029.0	1,029.0		
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Daily Drilling Report

UTL 1308D 3808H

PINNERGY - 4

Accept: 7/15/2021
Days Since LTI:

Release:
Days Since RI:

DELAWARE

Job:
Report Date:
Report #:
DFS:
AFE #:
Total AFE + Sup:
Daily Field Est. (Cost):

ODR
7/21/2021
4
2
9015136
\$3,344,396.60
\$35.00

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)
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 (mg/L)		Calcium (mg/L)	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

Leak Off and Formation Integrity Tests

Test Type	Depth (ftKB)	Dens Fluid (lb/gal)

Casing Pressure Test

Test Type	Test Subtype	Date	Item Tested	Failed?	Time (min)	P (psi)

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)	Depth Top (TVD) (ftKB)

Casing Strings

Description	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	OD (in)	Grade	Wt/Len (lb/ft)	Top Thread	P LeakOff (psi)
CONDUCTOR	106.0	106.0	20	H40	78.67		
SURFACE	1,011.3	1,010.8	13 3/8	J55	54.50	BTC	

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	GARDNER-DENVER	PZ-9	6	9.02	0.079	2,500.0
2	GARDNER-DENVER	PZ-9	6	9.02	0.079	2,500.0

Pump Checks

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

Deviation Surveys

Date	Description	Job
	FINAL SURVEY	
Date	Description	Job
7/15/2021	AS DRILL SURVEY	ODR, 7/15/2021 06:00

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)
251_0_SLDO	1,630.0		1,098.0		
263_BELL CANYON	-2,340.0		5,068.0		
263_5_TOP_CHERRY_CANYON	-3,230.0		5,958.0		
264_5_TOP_BRUSHY_CANYON	-4,505.0		7,233.0		
264_AVLN	-5,360.0		8,088.0		
ALT_ICP1	-5,560.0		8,288.0		
265_BSPG1	-5,790.0		8,518.0		
267_BSPG2	-7,160.0		9,888.0		
268_BSPG3	-7,630.0		10,358.0		
268_PHANTOM FIELD TOP	-7,630.0		10,358.0		
ICP1	-7,780.0		10,508.0		
268_BSPG3 BASE CARBONATE	-8,170.0		10,898.0		
TOT	-8,360.0		11,088.0		
BOT	-8,410.0		11,138.0		
FTP	-8,385.0		11,113.0		
PBHL/TD	-8,100.0		10,828.0		

Daily Contacts

Job Contact	Title	Office	Mobile	Email
POLYA, JOE, AREA DRILLING SUPERINTENDENT	AREA DRILLING SUPERINTENDENT	432-413-6147	432-352-3155	JOE.POLYA@PXD.COM
LINDBLAD, ALEXANDER, ENGINEER	ENGINEER	972-969-1749		ALEXANDER.LINDBLAD@PXD.COM
COX, BRYAN, ENGINEER	ENGINEER	972-969-5717	361-318-4212	BRYAN.COX@PXD.COM
DOVERSPIKE, DANIEL, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		361-318-0893	DANIEL.DOVERSPIKE@PXD.COM
VOGEL, ROGER, WELLSITE SUPERVISOR	WELLSITE SUPERVISOR		361-772-2235	ROGER.VOGEL@PXD.COM

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PIONEER

NATURAL RESOURCES

Daily Drilling Report

UTL 1308D 3808H		DELAWARE	Job:	ODR
			Report Date:	7/21/2021
			Report #:	4
			DFS:	2
			AFE #:	9015136
			Total AFE + Sup:	\$3,344,396.60
			Daily Field Est. (Cost):	\$35.00
PINNERGY - 4				
Accept: 7/15/2021		Release:		
Days Since LTI:		Days Since RI:		

Personnel Log	
Company	Count
PIONEER NATURAL RESOURCES USA INC	1
PINNERGY LTD	11
METEORITE ENERGY SERVICES INC	2

Daily Drilling Report

UTL 1308D 3808H				DELAWARE	
PINNERGY - 1				Job:	ODR
Accept: 7/15/2021				Report Date:	8/3/2021
Days Since LTI:				Report #:	4
Release:				DFS:	3
Days Since RI:				AFE #:	9015136
				Total AFE + Sup:	\$4,318,574.50
				Daily Field Est. (Cost):	\$22,059.96

API/UWI 42-475-38226-0000		Well Profile HORIZONTAL		Open Formation BONE SPRING 3 (BSPG 3)		Field Name PHANTOM (WOLFCAMP)				
SSN ID00057481	Property Sub	KB-Grd (ft) 26.00	Orig KB Elev (ft) 2,729.00	Ground Elevation (ft) 2,703.00	Spud Date 7/15/2021	TD Date				
Jobs										
Responsible Grp 2 DRL ENG - ALEXANDER LINDBLAD		Responsible Grp 3 AREA TEAM 1		Job Type ODR	Start Date 7/15/2021 06:00	End Date	Job Status IN PROGRESS			
Job Dates (ex. Estimated Pad Release, TXRRRC Calls)										
Type		Subtype		Date		Note				
Daily Operations										
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)	End Depth (ftKB) 1,029.0	Target Depth (ftKB)	Daily Field Est Total (Cost) 22,059.96	Cum Field Est To Date (Cost) 348,749.24		
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)	End Depth (TVD) (ftKB) 1,028.5	Target Depth (TVD) (ftKB)	Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)	Total AFE + Sup (Cost) 4,318,574.50	
Daily Goal Description		Daily Goal - Last 24			Daily Goal - Next 24			Goal Comments		
Backbuild		Lateral Inclination		Last Casing String SURFACE, 1,011.3ftKB			Next Casing String			
Avg Connection Gas		Avg Trip Gas		Avg Background Gas		Max Connection Gas		Max Trip Gas	Max Drill Gas	
Operations Summary From the Shull-Crawford 15RR 118H move to the UTL 1308D 3808H & rig up over the conductor.Perform inspection & make repairs.Make up 12 1/4" bit & TIH t/607'										
Operations Next Report Period TIH with 12 1/4" drill bit,F/ 607' T/778'. Tag on retainer & drill out T/830'.circulate & TOO H,Install T/A cap & test T/1000psi.Rig down, release rig F/UTL 1308D 3808H.										
Operations at Report Time TIH @ 607'										
Remarks										
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	3	09:00	CONST, DRL SURF	RD RDMO	NORMAL	Rig down- Make rig, move ready	1,029.0	1,029.0		
09:00	0.5	09:30	CONST, DRL SURF	SFTY	NORMAL	PJSM WITH 4C ENERGY, PNR, RIG CREW. DISCUSS THE HAZARDS OF WORKING WITH AND AROUND TRUCKS. GO OVER ROUTE SURVEY.	1,029.0	1,029.0		
09:30	8.5	18:00	CONST, DRL SURF	MOVE	NORMAL	MOBILIZE RIG AND EQUIPMENT 90 MILES TO THE UTL 1308D 3808H-C. SPOT MUD TANK, BOTH MUD PUMPS, GEN HOUSE, FRAC TANK. SPOT ALL TRAILERS ON THE EDGE OF LOCATION.UTL 1308D 3808H.	1,029.0	1,029.0		
18:00	8.5	02:30	CONST, DRL SURF	RU MIRU	NORMAL	Work with Cantrell trucking to spot all rig equipment in place, R/U Hoses, Lines, Electrical.Set in Catwalk. Continue R/U of All Rig Components. R/U Transfer Pumps.	1,029.0	1,029.0		
02:30	2	04:30	CONST, DRL SURF	RIG_INSP	NORMAL	Complete Rig Inspection & make neccessary corrections.	1,029.0	1,029.0		
04:30	1.5	06:00	CONST, DRL SURF	PU_DP	NORMAL	Pick up and make up Dumb iron & TIH T/607'	1,029.0	1,029.0		
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)
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 (mg/L)		Calcium (mg/L)		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			
Leak Off and Formation Integrity Tests										
Test Type		Depth (ftKB)				Dens Fluid (lb/gal)				
Casing Pressure Test										
Test Type		Test Subtype			Date	Item Tested		Failed?	Time (min)	P (psi)
CASING		STANDARD			7/23/2021	SURFACE, 1,011.3ftKB		No	30.00	1,000.0
Kick Offs & Key Depths										
Date			Type			Top Depth (ftKB)		Depth Top (TVD) (ftKB)		
Daily Drilling Report										

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)	
CONDUCTOR	106.0	106.0	20	H40	78.67			
SURFACE	1,011.3	1,010.8	13 3/8	J55	54.50	BTC		
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	130	130	0		0	727.0
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	GARDNER-DENVER		PZ-9	6	9.02	0.079	2,500.0	
2	GARDNER-DENVER		PZ-9	6	9.02	0.079	2,500.0	
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
Deviation Surveys								
Date	Description					Job		
	FINAL SURVEY							
Date	Description					Job		
7/15/2021	AS DRILL SURVEY					ODR, 7/15/2021 06:00		
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)	
251_0_SLDO			1,630.0		1,099.0			
263_BELL CANYON			-2,340.0		5,069.0			
263_5_TOP_CHERRY_CANYON			-3,230.0		5,959.0			
264_5_TOP_BRUSHY_CANYON			-4,505.0		7,234.0			
264_AVLN			-5,360.0		8,089.0			
ALT_ICP1			-5,560.0		8,289.0			
265_BSPG1			-5,790.0		8,519.0			
267_BSPG2			-7,160.0		9,889.0			
268_BSPG3			-7,630.0		10,359.0			
268_PHANTOM FIELD TOP			-7,630.0		10,359.0			
ICP1			-7,780.0		10,509.0			
268_BSPG3 BASE CARBONATE			-8,170.0		10,899.0			
TOT			-8,360.0		11,089.0			
BOT			-8,410.0		11,139.0			
FTP			-8,385.0		11,114.0			
PBHL/TD			-8,100.0		10,829.0			
Daily Contacts								
Job Contact		Title	Office	Mobile	Email			
VOGEL, ROGER, WELLSITE SUPERVISOR		WELLSITE SUPERVISOR		361-772-2235	ROGER.VOGEL@PXD.COM			
Personnel Log								
Company							Count	
PIONEER NATURAL RESOURCES USA INC							1	
PINNERGY LTD							11	
METEORITE ENERGY SERVICES INC							2	

Daily Drilling Report

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Printed: Tuesday, August 3, 2021

Daily Drilling Report

UTL 1308D 3808H				DELAWARE	
PINNERGY - 1				Job:	ODR
Accept: 7/15/2021				Report Date:	8/4/2021
Days Since LTI:				Report #:	5
Release:				DFS:	3
Days Since RI:				AFE #:	9015136
				Total AFE + Sup:	\$4,318,574.50
				Daily Field Est. (Cost):	\$2,970.00

API/UWI 42-475-38226-0000		Well Profile HORIZONTAL		Open Formation BONE SPRING 3 (BSPG 3)		Field Name PHANTOM (WOLFCAMP)					
SSN ID00057481	Property Sub	KB-Grd (ft) 26.00	Orig KB Elev (ft) 2,729.00	Ground Elevation (ft) 2,703.00	Spud Date 7/15/2021	TD Date					
Jobs											
Responsible Grp 2		Responsible Grp 3		Job Type	Start Date	End Date	Job Status				
DRL ENG - ALEXANDER LINDBLAD		AREA TEAM 1		ODR	7/15/2021 06:00		IN PROGRESS				
Job Dates (ex. Estimated Pad Release, TXRRC Calls)											
Type		Subtype		Date		Note					
Daily Operations											
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)	End Depth (ftKB) 1,029.0	Target Depth (ftKB)	Daily Field Est Total (Cost) 2,970.00	Cum Field Est To Date (Cost) 351,719.24			
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)	End Depth (TVD) (ftKB) 1,028.5	Target Depth (TVD) (ftKB)	Daily Mud Field Est (Cost)	Cum Mud Field Est (Cost)	Total AFE + Sup (Cost) 4,318,574.50		
Daily Goal Description		Daily Goal - Last 24			Daily Goal - Next 24			Goal Comments			
Backbuild		Lateral Inclination		Last Casing String SURFACE, 1,011.3ftKB			Next Casing String				
Avg Connection Gas		Avg Trip Gas		Avg Background Gas		Max Connection Gas		Max Trip Gas	Max Drill Gas		
Operations Summary TIH with 12 1/4" drill bit,F/ 607' T/778'. Tag on retainer & drill out T/830'.circulate & TOO H,Install T/A cap & test T/1000psi(Test Good).Rig down, release rig to the Pinery yard.											
Operations Next Report Period release rig to the Pinery yard											
Operations at Report Time release rig to the Pinery yard											
Remarks											
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	2.5	08:30	CONST, DRL SURF	DRL_OUT	NORMAL	DRLG RETAINER PLUG AND CEMENT 727-830	1,030.0	1,030.0			
08:30	0.5	09:00	CONST, DRL SURF	CIRC	NORMAL	CIRCULATE CASING CLEAN.	1,030.0	1,030.0			
09:00	1	10:00	CONST, DRL SURF	L/D DP	NORMAL	TRIP OUT OF HOLE WITH PIPE, COLLARS. BREAK BIT. CLEAR FLOOR	1,030.0	1,030.0			
10:00	0.5	10:30	CONST, DRL SURF	RD RDMO	NORMAL	RIG DOWN RIG, PIPELOADER, FLOOR. TO INSTALL TA CAP AND TEST.	1,030.0	1,030.0			
10:30	0.5	11:00	CONST, DRL SURF	SFTY	NORMAL	PJSM WITH BATTLE, CACTUS, RIG CREW, PNR. DISCUSS THE HAZARDS OF TESTING CASING AND GO OVER JOB DETAILS. INSTALL TA CAP WITH CACTUS WELL HEAD, RIG UP BATTLE TESTERS.	1,030.0	1,030.0			
11:00	1	12:00	CONST, DRL SURF	CSG_TEST	NORMAL	TEST WELL TO 1000 PSI AND HOLD FOR 30 MIN. GOOD TEST.	1,030.0	1,030.0			
12:00	0.5	12:30	CONST, DRL SURF	RD RDMO	NORMAL	RIG DOWN BATTLE TESTERS. RIG RELEASE @ 1230. FUEL= 123 GALLONS	1,030.0	1,030.0			
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)	
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 (mg/L)		Calcium (mg/L)		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			
Leak Off and Formation Integrity Tests											
Test Type			Depth (ftKB)				Dens Fluid (lb/gal)				
Casing Pressure Test											
Test Type		Test Subtype			Date		Item Tested		Failed?	Time (min)	P (psi)
CASING		STANDARD			7/23/2021		SURFACE, 1,011.3ftKB		No	30.00	1,000.0
Kick Offs & Key Depths											
Date			Type			Top Depth (ftKB)			Depth Top (TVD) (ftKB)		
Daily Drilling Report											

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)	
CONDUCTOR	106.0	106.0	20	H40	78.67			
SURFACE	1,011.3	1,010.8	13 3/8	J55	54.50	BTC		
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	123	123	0		0	850.0
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	GARDNER-DENVER	PZ-9	6	9.02	0.079	2,500.0		
2	GARDNER-DENVER	PZ-9	6	9.02	0.079	2,500.0		
Pump Checks								
Pump #	Depth (ftKB)	Time	P (psi)	Strokes (spm)	Q Flow (gpm)	Eff (%)		
Deviation Surveys								
Date	Description					Job		
	FINAL SURVEY							
Date	Description					Job		
7/15/2021	AS DRILL SURVEY					ODR, 7/15/2021 06:00		
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)	
251_0_SLDO			1,630.0		1,099.0			
263_BELL CANYON			-2,340.0		5,069.0			
263_5_TOP_CHERRY_CANYON			-3,230.0		5,959.0			
264_5_TOP_BRUSHY_CANYON			-4,505.0		7,234.0			
264_AVLN			-5,360.0		8,089.0			
ALT_ICP1			-5,560.0		8,289.0			
265_BSPG1			-5,790.0		8,519.0			
267_BSPG2			-7,160.0		9,889.0			
268_BSPG3			-7,630.0		10,359.0			
268_PHANTOM FIELD TOP			-7,630.0		10,359.0			
ICP1			-7,780.0		10,509.0			
268_BSPG3 BASE CARBONATE			-8,170.0		10,899.0			
TOT			-8,360.0		11,089.0			
BOT			-8,410.0		11,139.0			
FTP			-8,385.0		11,114.0			
PBHL/TD			-8,100.0		10,829.0			
Daily Contacts								
Job Contact		Title	Office	Mobile	Email			
VOGEL, ROGER, WELLSITE SUPERVISOR		WELLSITE SUPERVISOR		361-772-2235	ROGER.VOGEL@PXD.COM			
Personnel Log								
Company						Count		
PIONEER NATURAL RESOURCES USA INC						1		
PINNERGY LTD						11		
METEORITE ENERGY SERVICES INC						2		