

Well Name: UNIVERSITY 7-43 76H

Recurring Costs										
Carry forward?	Recurring Cost Item	Cost Code	Cost Type	Vendor	Day Charge ?	Other Rate 1	Additional Amount (Cost)	Field Est (Cost)	Custom Phase Allocation	Custom AFE Allocation
No	PIONEER NATURAL RESOURCES USA INC - INSURANCE; INSURANCE - 1 TIME CHARGE	2801	42	PIONEER NATURAL RESOURCES USA INC	Yes			10,000.00	MOB, RIG UP	9006351
No	PIONEER NATURAL RESOURCES USA INC - TAX; SALES TAX - 1 TIME CHARGE	2809	42	PIONEER NATURAL RESOURCES USA INC	Yes			81,305.00	MOB, RIG UP	9006351
Yes	PIONEER NATURAL RESOURCES USA INC - SUPERVISION/PROJECT MANAGEMENT - GENERAL; WELLSITE SUPERVISION - DAILY CHARGE	1404	11	PIONEER NATURAL RESOURCES USA INC	Yes			2,000.00	CONST, DRL SURF	9006351
No	PIONEER NATURAL RESOURCES USA INC - OTHER - SUPERVISION & INSPECTION; WELLVIEW, SAFETY, FIELD OPTIMIZATION TEAM - DAILY CHARGE	1499	11	PIONEER NATURAL RESOURCES USA INC	Yes			1,510.00	CONST, DRL SURF	9006351
Yes	WELLDRIIVE LLC - RECORDING DEVICES; WELLDRIIVE (SPUDDER & BIG RIG) - DAILY CHARGE	1645	20	WELLDRIIVE LLC	Yes			75.00	CONST, DRL SURF	9006351
Yes	PIONEER NATURAL RESOURCES USA INC - OVERHEAD; OVERHEAD - DAILY CHARGE	2804	42	PIONEER NATURAL RESOURCES USA INC	Yes			500.00	CONST, DRL SURF	9006351
No	PIONEER WATER MANAGEMENT LLC - FRESH WATER - NON-POTABLE; PWM WATER PER BBL (NON JV ONLY) - DAILY CHARGE	2103	21	PIONEER WATER MANAGEMENT LLC	Yes			0.00	CONST, DRL SURF	9006351
Yes	RENTAL XPRESS LLC - TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT; POTTY & TRASH TRAILER (SPUDDER ONLY) - DAILY CHARGE	1654	20	RENTAL XPRESS LLC	Yes			110.00	CONST, DRL SURF	9006351
Daily Costs										
Carry forward?	Cost Code Des	Cost Code	Cost Typ	Vendor	Field Est (Cost)		Fld Tkt	Note	Custom Phase Allocation	Custom AFE Allocation
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	TREND SERVICES INC	460.00		NA	HOUSING (2) AND CLEANING	CONST, DRL SURF	9006351
Yes	COMMUNICATIONS	3107	20	TREND SERVICES INC	230.00		NA	INTERNET (2)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	PIONEER NATURAL RESOURCES USA INC	35.00		NA	FRAC TANK (1)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	MCANEAR MACHINERY LP	105.00		W7910	LIGHT TOWERS (3)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	DOUBLE T OILFIELD SERVICE LLC	40.00		NA	COOLING TRAILER (1)	CONST, DRL SURF	9006351
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	MCANEAR MACHINERY LP	180.00		NA	FUEL FOR CAMP GENERATOR	CONST, DRL SURF	9006351
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	MCANEAR MACHINERY LP	100.00		NA	CAMP GENERATOR (1)	CONST, DRL SURF	9006351
No	CASING - SURFACE	1666	21	TENARIS GLOBAL SERVICES USA			NA	13 3/8" CASING	CONST, DRL SURF	9006351
No	DIRECTIONAL DRILLING - CONVENTIONAL	1614	24	METEORITE ENERGY SERVICES INC				17.5 DIRECTIONAL	CONST, DRL SURF	9006351
No	CLEAN & DRIFT CASING	1802	11	BURTON OIL SERVICE OPERATIONS LLC	1,480.00		NA	Clean and drift 13 3/8" casing	CONST, DRL SURF	9006351
No	CLEAN & DRIFT CASING	1802	11	LAUNCH SERVICES LLC	200.00		NA	HAUL OFF THREAD PROTECTORS	CONST, DRL SURF	9006351
No	FLOAT EQUIPMENT, SHOES, & CENTRALIZERS	2003	21	WEATHERFORD INTERNATIONAL INC	3,582.32		13933001	13 3/8" FLOAT EQUIPMENT	CONST, DRL SURF	9006351
No	CASING - SURFACE	1666	22	JOHNNY MORALES	2,353.00		48331	Casing delivery	CONST, DRL SURF	9006351
No	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	TREND SERVICES INC	1,305.00		O56203	Houses moved and move permit	CONST, DRL SURF	9006351
No	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	TREND SERVICES INC	1,000.00		NA	NPWFOR TRAILERS & SEWER HAUL OFF	CONST, DRL SURF	9006351
No	CASING - SURFACE	1666	22	MAGNUM SERVICES LP	500.00		NA	DELIVER PIPE RACKS TO LOCATION	CONST, DRL SURF	9006351
No	OTHER SURFACE EQUIPMENT	1637	20	MCANEAR MACHINERY LP	212.00		NA	DELIVER CAMP GEN AND LIGHT TOWERS TO LOCATION	CONST, DRL SURF	9006351
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Well Name: UNIVERSITY 7-43 76H

Daily Costs

Carry forward?	Cost Code Des	Cost Code	Cost Typ	Vendor	Field Est (Cost)	Fld Tkt	Note	Custom Phase Allocation	Custom AFE Allocation
No	OTHER SURFACE EQUIPMENT	1637	20	PIONEER NATURAL RESOURCES USA INC	500.00	NA	DELIVER FRACTANKS TO LOCATION	CONST, DRL SURF	9006351

Job Supplies (Water)

FRESH WATER

Supply Item Description	Type	Unit Label	On Loc	Note
Date	Received	Consumed	Returned	Note
				Cum On Location

Interval Problems

Problem Type	Problem Subtype	Problem Description	Start Date	End Date	Wellbore
Start Depth (ftKB2)	End Depth (ftKB2)	Reference #	Accountable Party	Comment	Exclude From Problem Time Calcs?

Lost Circulation

Type	Operation In Progress	Start Date	End Date	Top Depth (ftKB2)	Bottom Depth (ftKB2)
Wellbore	Total Lost Volume (bbl)	Equivalent Mud Weight (ppg)	Surface Pressure Applied (psi)	ECD (ppg)	Comment

Influx

Type	Nature of Influx	Influx Indicator	Influx Date	Influx Depth (ftKB2)	Wellbore	SIDP Pressure (psi)	SIC Pressure (psi)
Operation In Progress	Influx Volume (bbl)	Pump Rate (gpm)	Pump Pressure (psi)	EMW (ppg)	SPA (psi)	ECD (ppg)	Comments

Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UWI	Start Depth...	Start Depth...	Proposed Deviation Survey	Actual Deviation Survey	Job
ORIGINAL	ORIGINAL	42003481370000	13.0		PROPOSED, Proposed? Yes		ODR, 8/24/2019 06:00

Wellbore Sections

Section Description	Size (in)	Actual Top Depth (ftKB2)	Actual Btm Depth (ftKB2)	Start Date	End Date	Length (ft)
SURFACE	17 1/2	93.0		8/24/2019 11:00		

Deviation Surveys

Date	Description	Proposed?	Job
8/24/2019 11:00	AS DRILL SURVEY	No	ODR, 8/24/2019 06:00

Survey Data

MD (ftKB2)	Incl (°)	Azm (°)	Method	Date	Survey Company	TVD (ftKB2)	VS (ft)
100.00	0.00	0.00	MWD	8/24/2019	METEORITE ENERGY SERVICES		
135.84	0.20	231.40	MWD	8/24/2019	METEORITE ENERGY SERVICES		
200.26	0.30	257.20	MWD	8/24/2019	METEORITE ENERGY SERVICES		
290.74	0.10	280.40	MWD	8/24/2019	METEORITE ENERGY SERVICES		
379.92	0.20	244.10	MWD	8/24/2019	METEORITE ENERGY SERVICES		
468.74	0.30	273.90	MWD	8/24/2019	METEORITE ENERGY SERVICES		
556.61	0.20	243.70	MWD	8/24/2019	METEORITE ENERGY SERVICES		
645.91	0.70	94.60	MWD	8/24/2019	METEORITE ENERGY SERVICES		
821.27	1.80	80.60	MWD	8/24/2019	METEORITE ENERGY SERVICES		
907.42	2.00	78.10	MWD	8/24/2019	METEORITE ENERGY SERVICES		
995.23	2.10	76.40	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,081.26	2.50	80.20	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,167.61	2.70	84.60	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,254.19	2.70	88.80	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,341.65	2.90	89.70	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,423.94	2.30	87.80	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,509.85	2.30	86.90	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,598.60	2.00	85.50	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,686.87	1.90	86.00	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,773.06	1.80	89.20	MWD	8/24/2019	METEORITE ENERGY SERVICES		
1,862.16	1.90	86.60	MWD	8/24/2019	METEORITE ENERGY SERVICES		

Drill Bits

Size (in)	Type	SN	Make	Model	Len (ft)	Note
17 1/2	PDC	12533672	HALLIBURTON	SF65	1.40	

Drill Strings

BHA #	Drill String Name	Drill Bit	Bit Run	Bit Dull-Reason Pulled	BHA Provider
1	SURFACE	17 1/2in, SF65, 12533672	1		METEORITE ENERGY SERVICES

Drill String Components

Item Des	ID (in)	OD (in)	Max OD (in)	Make	Len (ft)	Jts	SN	Top Gend	Top Conn	Conn/Tool Jt ID (in)	Weight Per Foot (lb/ft)	Grade	Type	Btm Gend	Btm Conn	Mk-up Tq (ft•lb)	Stab Typ
DRILL PIPE	4.28	5				26		BOX	NC 50 (4 1/2" IF)	3.25	19.50	S-135	Drill Pipe	BOX	NC 50 (4 1/2" IF)	15,000	
SUB - XO	2.70	6 1/4			2.75	1	RIG	BOX	NC 50 (4 1/2" IF)	0			Other	PIN	4 1/2" REG	0	
DRILL COLLAR	2.88	6 1/4			150.33	5	RIG	BOX	4 1/2" REG	0	0.00	REG	Drill Collar	PIN	4 1/2" REG	0	
SUB - XO	2.87	8		AMEGA WEST	4.57	1	RIG	BOX	4 1/2" REG	0	0.00	REG	Other	PIN	6 5/8" REG	0	
DRILL COLLAR	2.88	8			90.53	3	RIG	BOX	6 5/8" REG	0	0.00	REG	Drill Collar	PIN	6 5/8" REG	0	
DRILL COLLAR - NON MAG	3.50	8 1/8		AMEGA WEST	58.85	2	AWS800-30-5197/4940	BOX	6 5/8" REG	0	0.00	REG	Drill Collar	PIN	6 5/8" REG	0	
SUB - UBHO	3.25	8		AMEGA WEST	3.00	1	PM926-92	BOX	6 5/8" REG	0	0.00	REG	Other	PIN	6 5/8" REG	0	

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Well Name: UNIVERSITY 7-43 76H

Drill String Components

Item Des	ID (in)	OD (in)	Max OD (in)	Make	Len (ft)	Jts	SN	Top Gend	Top Conn	Conn/Tool Jt ID (in)	Weight Per Foot (lb/ft)	Grade	Type	Btm Gend	Btm Conn	Mk-up Tq (ft•lb)	Stab Typ
STABILIZER	3.00	8	17	AMEGA WEST	6.60	1	AWSS -3927	BOX	6 5/8" REG	0	0.00	REG	Variabl e Gauge Stabiliz ers	PIN	6 5/8" REG	0	INTEG RAL (IBS)
MOTOR - STABILIZER SLEEVE	3.25	8	17	SNIPER	31.46	1	TMC 85006	BOX	6 5/8" REG	0	0.00	REG	Mud Motor	BOX	6 5/8" REG	0	SLEEV E

Drilling Parameters

Start Date	End Date	Start Depth (ftKB2)	End Depth (ftKB2)	Wellbore	Drill Time (hr)	Circ Time (hr)	Param Type	WOB (1000lbf)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	RPM (rpm)	Q Flow (gpm)	Drill Tq	Off Btm Tq
8/24/2019 11:00	8/25/2019 06:00	93.0	1,963.0	ORIGINAL	19.00	0.00	DRILL	10	1,650.0	98.0	20	22	17	65	370	10.0	8.0

SURFACE CASING STRING

Description	Set Depth (ftKB2)	Run Date	Prop...	Run Job	Wellbore	Pick Up Date	Make-Up Contractor	Centralizers	Cut/Pull Date	Depth Cut/Pull (ft...
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Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Top Thread	Make	Len (ft)	Type

SURFACE CEMENT

Description	Proposed?	String	Type	Cementing Start Date	Cementing End Date
Wellbore	Job	Cementing Company	Cementing Supervisor	Evaluation Method	Technical Result

Cement Stages

Stage Number	Description		Final Top Depth (ftKB2)	Bottom Depth (ftKB2)	Full Return?	Vol Cement Ret (bbl)	Top Plug?	Bottom Plug?
Q Pump Init (bbl/min)	Q Pump Final (bbl/min)	Q Pump Avg (bbl/min)	P Pump Final (psi)	P Plug Bump (psi)	Pressure Held (psi)	Pressure Release Date	Plug Failed?	Float Failed?

Cement Fluids

<typ>					
Fluid Type	Estimated Top (ftKB2)	Estimated Bottom Depth (ftKB2)	Amount (sacks)	Class	Volume Pumped (bbl)
Yield (ft³/sack)	Mix H2O Ratio (gal/sack)	Density (lb/gal)	Thickening Time (hr)	Yield Point (lbf/100ft²)	2nd Compressive Strength (psi)
Additive	Type	Concentration	Conc Unit label	Amount	Amount Units

Well Name: UNIVERSITY 7-43 76H

Well Name UNIVERSITY 7-43 76H			Operator PIONEER NATURAL RESOURCES USA INC			Division PERMIAN ASSET TEAM			State TEXAS			County				
Well Status DRILLING			API/UWI 42-003-48137-0000			Pad Code PPID00962			Field Name SPRABERRY (TREND AREA)			Spud Date 8/24/2019				
Original KB Elevation (ft) 2,977.50						Ground Elevation (ft) 2,951.00				Other Elevation Link 2,964.00 KB2,8/24/2019 06:00						
Elevation History																
Start Date			End Date			Other Elv (ft)			Other Elv Label			Other Elv Note				
8/24/2019			8/26/2019			2,964.00			KB2							
Job: ORIG DRILLING , Job Start Date: 8/24/2019 06:00																
Job Category ORIG DRILLING			Primary Job Type ODR			Job Status IN PROGRESS			Start Date 8/24/2019 06:00			Target Depth (ftKB2) 19,361.5			Target Formation	
Rig BURTON OILFIELD, 10			Primary Wellbore Affected ORIGINAL			Responsible Grp 1			Responsible Grp 2 DRL ENG - KEITH SPACEK			Responsible Grp 3 AREA TEAM 1			AFE Number 9006351	
Job Dates																
Date		Type			Subtype			Note								
8/24/2019 11:00		TXRRC CALL			SPUD											
8/24/2019 11:00		TXRRC CALL			CEMENT SURF											
Phases																
Phase			Step			Wellbore			Actual Start Date			Actual End Date				
CONST			DRL SURF			ORIGINAL			8/24/2019 06:00			8/26/2019 06:00				
Rigs																
Contractor BURTON OILFIELD				Rig Number 10				Rig Type SPUDDER				Reference Height (ft) 13.00				
Rig Start Date 8/24/2019				Rig Release Date 8/26/2019				Rotary System HYDRAULIC TOP DRIVE				Max Hook Load (1000lbf) 200,000				
Mud Pump Operations																
Pump Number 1		Make GARDNER-DENVER			Model PZ-9-1000		Stroke Length (in) 9.00		Liner Size (in) 6 1/2		Max Pressure (psi) 5,000.0		Vol/Stk (bbl/stk) 0.092			
Pump Number 2		Make GARDNER-DENVER			Model PZ-9-1000		Stroke Length (in) 9.00		Liner Size (in) 6 1/2		Max Pressure (psi) 5,000.0		Vol/Stk (bbl/stk) 0.092			
Mud Pump Checks																
Pump Number		Date			Depth (ftKB2)		Strokes (spm)		Volumetric Efficiency (%)		Pressure (psi)		Flow Rate (gpm)			
Safety Checks																
Date		Type	Des		Tour	Inspected By			Com							
8/25/2019 06:00		MEETING	PRE-TOUR		DAY	VALERIANO, JOSE			Discussed staying hydrated due to record ambient heat.							
8/25/2019 18:00		MEETING	PRE-TOUR		NIGHT	VALERIANO, JOSE			Discussed cement lines. Staying away from cement lines while pumping cement.							
Job Contacts																
Contact Name			Title				Office			Mobile			Email			
MCCLAIN, BRADY			FIELD ENGINEER							409-739-0874			BRADY.MCCLAIN@PXD.COM			
JENKINS III, CHARLES			WELSITE SUPERVISOR				432-571-2587						CHARLES.JENKINS@PXD.COM			
BLEDSOE, WILL			FOREMAN							361-318-5836			WILL.BLEDSOE@PXD.COM			
VALERIANO, JOSE			FOREMAN				432-571-2800			432-269-5640			JOSE.VALERIANO@PXD.COM			
NICKERSON, KEVIN			SUPERVISOR							432-227-3431			KEVIN.NICKERSON@PXD.COM			
Operation Summary and Forecast																
Report Start Date 8/25/2019 06:00				Report End Date 8/26/2019 06:00				Operations at Report Time Rig Released @ 06:00								
Operations Summary Drill f/1,963' t/2046, circ, TOO H, run casing, cement casing in place, Rig release @ 06:00.								Operations Next Report Period Rig down, move rig to the Univ. 7-43 115H thru118H								
Time Log																
Start Time	End Time	Dur (hr)	Phase	Activity	Activity Detail	Operation	Ops Category	Start Depth (ftKB2)	End Depth (ftKB2)	Wellbore	Com	Pro b Ref #	Prob Hrs (hr)			
06:00	10:00	4	CONST, DRL SURF	DRILL	DRILLING	DRL	NORMAL	1,963.0	2,046.0	ORIGINAL	Drill from 1,963' to 2,046					
10:00	11:00	1	CONST, DRL SURF	NON_DRILL	CIRCULATE	CIRC	NORMAL	2,046.0	2,046.0	ORIGINAL	Circulate hole clean					
11:00	12:30	1.5	CONST, DRL SURF	NON-NPT	RIG REPAIR – NON NPT	RIG_RP R	NORMAL	2,046.0	2,046.0	ORIGINAL	Remove cylinder from winch, strap down.					
12:30	15:30	3	CONST, DRL SURF	DRILL PIPE	LAY DOWN DRILL PIPE	L/D DP	NORMAL	2,046.0	2,046.0	ORIGINAL	Lay down DP					
15:30	17:30	2	CONST, DRL SURF	BHA	LAY DOWN BHA	L/D BHA	NORMAL	2,046.0	2,046.0	ORIGINAL	Lay down BHA, directional tools, break bit, L/D mud motor.					
17:30	18:00	0.5	CONST, DRL SURF	SAFETY	PLANNED SAFETY EVENT	SFTY	NORMAL	2,046.0	2,046.0	ORIGINAL	Clean and clear rig floor for casing operations					
18:00	18:30	0.5	CONST, DRL SURF	SAFETY	PLANNED SAFETY EVENT	SFTY	NORMAL	2,046.0	2,046.0	ORIGINAL	PJSM with casing crew on rigging up and casing running order					
18:30	02:00	7.5	CONST, DRL SURF	CASING	RUN CSG W/O ROTATION	CSG_W/ O ROTATION	NORMAL	2,046.0	2,046.0	ORIGINAL	Make up shoe track, and run casing. Washed last 14-jnts down. P/U landing joint, wash to bottom and land on conductor.					
02:00	02:30	0.5	CONST, DRL SURF	NON_DRILL	CIRCULATE	CIRC	NORMAL	2,046.0	2,046.0	ORIGINAL	Circulate casing capacity.					
02:30	03:00	0.5	CONST, DRL SURF	SAFETY	PLANNED SAFETY EVENT	SFTY	NORMAL	2,046.0	2,046.0	ORIGINAL	PJSM with cementers on rigging up and pump schedule					

PIONEER

NATURAL RESOURCES

Spudder Rig Daily Input

Well Name: UNIVERSITY 7-43 76H

Date: 8/26/2019

Report #: 2

DFS: 2

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Activity Detail	Operation	Ops Category	Start Depth (ftKB2)	End Depth (ftKB2)	Wellbore	Com	Pro b Ref #	Prob Hrs (hr)
03:00	05:30	2.5	CONST, DRL SURF	CEMENT	CEMENTING	CMT	NORMAL	2,046.0	2,046.0	ORIGINAL	Cement Surface casing in place		
05:30	06:00	0.5	CONST, DRL SURF	CEMENT	RIG DOWN CEMENT	RD_CMT	NORMAL	2,046.0	2,046.0	ORIGINAL	Rig down cement head, wash and flush through flowline of any cement residue. Rig Released @ 06:00		

Daily Contacts

Carry forward?	Job Contact	Tour	Mobile	Email
Yes	VALERIANO, JOSE, FOREMAN	DAY	432-269-5640	JOSE.VALERIANO@PXD.COM

Personnel Log

Carry forward?	Company	Count
Yes	PIONEER NATURAL RESOURCES USA INC	1
Yes	BURTON OIL SERVICE OPERATIONS LLC	12
Yes	METEORITE ENERGY SERVICES INC	2

Recurring Costs

Carry forward?	Recurring Cost Item	Cost Code	Cost Type	Vendor	Day Charge ?	Other Rate 1	Additional Amount (Cost)	Field Est (Cost)	Custom Phase Allocation	Custom AFE Allocation
Yes	PIONEER NATURAL RESOURCES USA INC - SUPERVISION/PROJECT MANAGEMENT - GENERAL; WELLSITE SUPERVISION - DAILY CHARGE	1404	11	PIONEER NATURAL RESOURCES USA INC	Yes			2,000.00	CONST, DRL SURF	9006351
Yes	WELLDRIIVE LLC - RECORDING DEVICES; WELLDRIIVE (SPUDDER & BIG RIG) - DAILY CHARGE	1645	20	WELLDRIIVE LLC	Yes			75.00	CONST, DRL SURF	9006351
Yes	PIONEER NATURAL RESOURCES USA INC - OVERHEAD; OVERHEAD - DAILY CHARGE	2804	42	PIONEER NATURAL RESOURCES USA INC	Yes			500.00	CONST, DRL SURF	9006351
Yes	RENTAL XPRESS LLC - TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT; POTTY & TRASH TRAILER (SPUDDER ONLY) - DAILY CHARGE	1654	20	RENTAL XPRESS LLC	Yes			110.00	CONST, DRL SURF	9006351

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Carry forward?	Cost Code Des	Cost Code	Cost Typ	Vendor	Field Est (Cost)	Fid Tkt	Note	Custom Phase Allocation	Custom AFE Allocation
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	TREND SERVICES INC	460.00	NA	HOUSING (2) AND CLEANING	CONST, DRL SURF	9006351
Yes	COMMUNICATIONS	3107	20	TREND SERVICES INC	230.00	NA	INTERNET (2)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	PIONEER NATURAL RESOURCES USA INC	35.00	NA	FRAC TANK (1)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	MCANEAR MACHINERY LP	105.00	W7910	LIGHT TOWERS (3)	CONST, DRL SURF	9006351
Yes	OTHER SURFACE EQUIPMENT	1637	20	DOUBLE T OILFIELD SERVICE LLC	40.00	NA	COOLING TRAILER (1)	CONST, DRL SURF	9006351
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	MCANEAR MACHINERY LP	180.00	NA	FUEL FOR CAMP GENERATOR	CONST, DRL SURF	9006351
Yes	TEMPORARY HOUSING & LOCATION SUPPORT EQUIPMENT	1654	20	MCANEAR MACHINERY LP	100.00	NA	CAMP GENERATOR (1)	CONST, DRL SURF	9006351
No	CEMENTING PRIMARY - SURFACE	2006	11	PERMIAN 5 ENERGY SERVICES LLC	25,243.17	NA	Surface casing cement	CONST, DRL SURF	9006351

Job Supplies (Water)

FRESH WATER

Supply Item Description	Type	Unit Label	On Loc	Note
Date	Received	Consumed	Returned	Note

Cum On Location

Interval Problems

Problem Type	Problem Subtype	Problem Description	Start Date	End Date	Wellbore
Start Depth (ftKB2)	End Depth (ftKB2)	Reference #	Accountable Party	Comment	Exclude From Problem Time Calcs?

Lost Circulation

Type	Operation In Progress	Start Date	End Date	Top Depth (ftKB2)	Bottom Depth (ftKB2)
Wellbore	Total Lost Volume (bbl)	Equivalent Mud Weight (ppg)	Surface Pressure Applied (psi)	ECD (ppg)	Comment

Influx

Type	Nature of Influx	Influx Indicator	Influx Date	Influx Depth (ftKB2)	Wellbore	SIDP Pressure (psi)	SIC Pressure (psi)
Operation In Progress	Influx Volume (bbl)	Pump Rate (gpm)	Pump Pressure (psi)	EMW (ppg)	SPA (psi)	ECD (ppg)	Comments

Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UW1	Start Depth...	Start Depth...	Proposed Deviation Survey	Actual Deviation Survey	Job
ORIGINAL	ORIGINAL	42003481370000	13.0		PROPOSED, Proposed? Yes	AS DRILL SURVEY, Proposed? No	ODR, 8/24/2019 06:00

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Well Name: UNIVERSITY 7-43 76H

Wellbore Sections

Section Description	Size (in)	Actual Top Depth (ftKB2)	Actual Btm Depth (ftKB2)	Start Date	End Date	Length (ft)
SURFACE	17 1/2	93.0	2,046.0	8/24/2019 11:00	8/25/2019 10:00	1,953.00

Deviation Surveys

Date	Description	Proposed?	Job
8/24/2019 11:00	AS DRILL SURVEY	No	ODR, 8/24/2019 06:00

Survey Data

MD (ftKB2)	Incl (°)	Azm (°)	Method	Date	Survey Company	TVD (ftKB2)	VS (ft)
100.00	0.00	0.00	MWD	8/24/2019	METEORITE ENERGY SERVICES	100.00	0.00
135.84	0.20	231.40	MWD	8/24/2019	METEORITE ENERGY SERVICES	135.84	-0.05
200.26	0.30	257.20	MWD	8/24/2019	METEORITE ENERGY SERVICES	200.26	-0.31
290.74	0.10	280.40	MWD	8/24/2019	METEORITE ENERGY SERVICES	290.74	-0.62
379.92	0.20	244.10	MWD	8/24/2019	METEORITE ENERGY SERVICES	379.92	-0.84
468.74	0.30	273.90	MWD	8/24/2019	METEORITE ENERGY SERVICES	468.74	-1.21
556.61	0.20	243.70	MWD	8/24/2019	METEORITE ENERGY SERVICES	556.61	-1.58
645.91	0.70	94.60	MWD	8/24/2019	METEORITE ENERGY SERVICES	645.90	-1.19
821.27	1.80	80.60	MWD	8/24/2019	METEORITE ENERGY SERVICES	821.22	2.61
907.42	2.00	78.10	MWD	8/24/2019	METEORITE ENERGY SERVICES	907.32	5.45
995.23	2.10	76.40	MWD	8/24/2019	METEORITE ENERGY SERVICES	995.08	8.55
1,081.26	2.50	80.20	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,081.04	11.97
1,167.61	2.70	84.60	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,167.30	15.88
1,254.19	2.70	88.80	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,253.78	19.95
1,341.65	2.90	89.70	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,341.14	24.22
1,423.94	2.30	87.80	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,423.34	27.95
1,509.85	2.30	86.90	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,509.18	31.39
1,598.60	2.00	85.50	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,597.87	34.72
1,686.87	1.90	86.00	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,686.09	37.73
1,773.06	1.80	89.20	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,772.24	40.51
1,862.16	1.90	86.60	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,861.29	43.38
1,950.78	2.10	92.50	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,949.86	46.46
1,990.00	1.80	93.10	MWD	8/24/2019	METEORITE ENERGY SERVICES	1,989.05	47.79
2,046.00	1.80	93.10	MWD	8/24/2019	METEORITE ENERGY SERVICES	2,045.02	49.53

Drill Bits

Size (in)	Type	SN	Make	Model	Len (ft)	Note
17 1/2	PDC	12533672	HALLIBURTON	SF65	1.40	

Drill Strings

BHA #	Drill String Name	Drill Bit	Bit Run	Bit Dull-Reason Pulled	BHA Provider
1	SURFACE	17 1/2in, SF65, 12533672	1	TD	METEORITE ENERGY SERVICES

Drill String Components

Item Des	ID (in)	OD (in)	Max OD (in)	Make	Len (ft)	Jts	SN	Top Gend	Top Conn	Conn/Tool Jt ID (in)	Weight Per Foot (lb/ft)	Grade	Type	Btm Gend	Btm Conn	Mk-up Tq (ft•lb)	Stab Typ
DRILL PIPE	4.28	5				26		BOX	NC 50 (4 1/2" IF)	3.25	19.50	S-135	Drill Pipe	BOX	NC 50 (4 1/2" IF)	15,000	
SUB - XO	2.70	6 1/4			2.75	1	RIG	BOX	NC 50 (4 1/2" IF)	0			Other	PIN	4 1/2" REG	0	
DRILL COLLAR	2.88	6 1/4			150.33	5	RIG	BOX	4 1/2" REG	0	0.00	REG	Drill Collar	PIN	4 1/2" REG	0	
SUB - XO	2.87	8		AMEGA WEST	4.57	1	RIG	BOX	4 1/2" REG	0	0.00	REG	Other	PIN	6 5/8" REG	0	
DRILL COLLAR	2.88	8			90.53	3	RIG	BOX	6 5/8" REG	0	0.00	REG	Drill Collar	PIN	6 5/8" REG	0	
DRILL COLLAR - NON MAG	3.50	8 1/8		AMEGA WEST	58.85	2	AWS8 00-30-5197/4 940	BOX	6 5/8" REG	0	0.00	REG	Drill Collar	PIN	6 5/8" REG	0	
SUB - UBHO	3.25	8		AMEGA WEST	3.00	1	PM926 -92	BOX	6 5/8" REG	0	0.00	REG	Other	PIN	6 5/8" REG	0	
STABILIZER	3.00	8	17	AMEGA WEST	6.60	1	AWSS -3927	BOX	6 5/8" REG	0	0.00	REG	Variabl e Gauge Stabiliz ers	PIN	6 5/8" REG	0	INTEG RAL (IBS)
MOTOR - STABILIZER SLEEVE	3.25	8	17	SNIPER	31.46	1	TMC 85006	BOX	6 5/8" REG	0	0.00	REG	Mud Motor	BOX	6 5/8" REG	0	SLEEV E

Drilling Parameters

Start Date	End Date	Start Depth (ftKB2)	End Depth (ftKB2)	Wellbore	Drill Time (hr)	Circ Time (hr)	Param Type	WOB (1000lbf)	SPP (psi)	ROP Average (ft/hr)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	RPM (rpm)	Q Flow (gpm)	Drill Tq	Off Btm Tq
8/24/2019 11:00	8/25/2019 06:00	93.0	1,963.0	ORIGINAL	19.00	0.00	DRILL	10	1,650.0	98.0	20	22	17	65	370	10.0	8.0

SURFACE CASING STRING

Description	Set Depth (ftKB2)	Run Date	Prop...	Run Job	Wellbore	Pick Up Date	Make-Up Contractor	Centralizers	Cut/Pull Date	Depth Cut/Pull (ft...
SURFACE	2,026.0	8/25/2019	No	ODR, 8/24/2019 06:00	ORIGINAL	8/25/2019	Pro Torque	15		

Casing Components

Item Des	Jts	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Top Thread	Make	Len (ft)	Type
CASING JOINTS	0	13 3/8	12.615	54.50	J55	BTC		0.00	
LANDING JOINT	0	13 3/8	12.615	54.50	J55	BTC		0.00	
CASING HANGER	1	13 3/8	12.615	54.50	J55	BTC		1.00	
CASING JOINTS	49	13 3/8	12.615	54.50	J55	BTC		1,964.80	
FLOAT COLLAR	1	13 3/8	12.615	54.50	J55	BTC	WEATHERFORD	1.75	
CASING JOINTS	1	13 3/8	12.615	54.50	J55	BTC		40.41	
FLOAT SHOE	1	13 3/8	12.615	54.50	J55	BTC	WEATHERFORD	2.00	

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Well Name: UNIVERSITY 7-43 76H

SURFACE CEMENT																	
Description SURFACE CASING CEMENT		Proposed? No		String SURFACE, 2,026.0ftKB2		Type Casing		Cementing Start Date 8/26/2019 03:00		Cementing End Date 8/26/2019 05:30							
Wellbore ORIGINAL		Job ODR, 8/24/2019 06:00		Cementing Company PERMIAN 5 ENERGY SERVICES LLC		Cementing Supervisor Luis Luevano		Evaluation Method RETURNS TO SURFACE		Technical Result SUCCESS							
Cement Stages																	
Stage Number 1		Description SURFACE CASING CEMENT		Final Top Depth (ftKB2) 13.0		Bottom Depth (ftKB2) 2,046.0		Full Return? Yes		Vol Cement Ret (bbl) 135.0		Top Plug? Yes		Bottom Plug? No			
Q Pump Init (bbl/min) 4		Q Pump Final (bbl/min) 4		Q Pump Avg (bbl/min) 6		P Pump Final (psi) 600.0		P Plug Bump (psi) 900.0		Pressure Held (psi) 900.0		Pressure Release Date 8/26/2019		Plug Failed? No		Float Failed? No	
Cement Fluids																	
LEAD CMT																	
Fluid Type LEAD CMT		Estimated Top (ftKB2) 13.0		Estimated Bottom Depth (ftKB2) 897.0		Amount (sacks) 1,400		Class CLASS C		Volume Pumped (bbl) 474.0							
Yield (ft³/sack) 1.90		Mix H2O Ratio (gal/sack) 10.49		Density (lb/gal) 13.00		Thickening Time (hr)		Yield Point (lb/100ft²)		2nd Compressive Strength (psi)							
Additive BENTONITE GEL		Type EXTENDER		Concentration 4.0		Conc Unit label BWOC		Amount		Amount Units %							
TAIL CMT																	
Fluid Type TAIL CMT		Estimated Top (ftKB2) 897.0		Estimated Bottom Depth (ftKB2) 2,046.0		Amount (sacks) 600		Class CLASS C		Volume Pumped (bbl) 141.0							
Yield (ft³/sack) 1.33		Mix H2O Ratio (gal/sack) 6.32		Density (lb/gal) 14.80		Thickening Time (hr)		Yield Point (lb/100ft²)		2nd Compressive Strength (psi)							
Additive NA		Type NA		Concentration		Conc Unit label NA		Amount		Amount Units NA							