



Daily Drilling - Detail (legal size)

Report Date: 1/30/2020

Well Name: Fox Creek 25-5807BW

Report #: 1.0, DFS: 0.56
Depth Progress: 1,445.00

Well Name Fox Creek 25-5807BW	API 05-123-50373-00	Excalibur ID 20525	Operator HighPoint Resources	Current Well Status NOT DRILLED	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,415.50	Ground Elevation (ft) 5,399.00	KB-Ground Distance (ft) 16.50	Regulatory Drilling Spud Date 1/30/2020 14:00	Regulatory Rig Release Date
Surface Legal Location SWSE Sec 25 T12N R63W	North/South Distance (ft) 931.0	North/South Reference FSL	East/West Distance (ft) 1,455.0	East/West Reference FEL	Lat/Long Datum NAD 83
Latitude (°) 40° 58' 33.316" N	Longitude (°) 104° 22' 36.887" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

Click on the 'New' button to start a new daily report.

Jobs								
Job Category D & C		Primary Job Type Drilling & Completion			Start Date 1/30/2020 12:30	End Date 1/31/2020 03:30	Spud Date 1/30/2020 13:30	
Target Depth (ftKB) 18,250.0	Target Formation Niobrara	AFE Number 20525D	AFE+Supp Amt (Cost)	Total Fld Est (Cost)	Total Final Invoice (Cost)	AFE - Field Est (Cost)	Total Depth Drilled (ft) 1,445.00	

Daily Operations							
Rig CARTEL, 88		Report Start Date 1/30/2020	Report End Date 1/31/2020	Operations @ 6:00 AM NEXT WELL	Ops Next Rpt NEXT WELL	Status at Reporting Time 07 DRILLING	
Weather	Temperature (°F)	Hole Condition	Diesel Used (gal)	Diesel Received (gal)	Diesel on Hand (gal)	Total Rig Power (hp)	

24 Hour Summary SKID RIG & RIG UP, M/U DIRECTIONAL BHA, DRILL F/88' T/1530', CIRC, POOH, L/D BHA, RIG UP & RUN 9 5/8" SURFACE CASING, CIRC, CEMENT, LAND CASING & L/D LANDING JT RIG RELEASED @ 03:30 ON 1/31/2020							
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Remarks RIG RELEASED @ 03:30 ON 1/31/2020							
Daily Cost Total (Cost)		Cum Cost To Date (Cost)		Daily Mud Cost (Cost)		Mud Additive Cost To Date (Cost)	
Depth Start (ftKB) 88.0		End Depth (ftKB) 1,533.0		Depth Start (TVD) (ftKB)		Depth End (TVD) (ftKB)	
						Depth Progress (ft) 1,445.00	

Daily Time Breakdown								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Category	Start Depth (ftKB)	End Depth (ftKB)	Com
12:30	13:00	0.50	0.50	1	RIGUP & TEARDOWN	88.0	88.0	SKID RIG & RIG UP
13:00	13:30	0.50	1.00	20	DIRECTIONAL WORK	88.0	88.0	M/U DIRECTIONAL BHA
13:30	18:00	4.50	5.50	2	DRILL ACTUAL	88.0	1,533.0	DRILL F/ 88' T/1533'
18:00	19:30	1.50	7.00	5	COND MUD & CIRC	1,533.0	1,533.0	CIRC HIGH VIS POLYMER SWEEP
19:30	21:00	1.50	8.50	6	TRIPS	1,533.0	1,533.0	TRIP OUT OF HOLE
21:00	21:30	0.50	9.00	20	DIRECTIONAL WORK	1,533.0	1,533.0	LAY DOWN DIR TOOLS
21:30	23:00	1.50	10.50	12	RUN CASING & CEMENT	1,533.0	1,533.0	RIG UP FOR CASING RUN
23:00	01:00	2.00	12.50	12	RUN CASING & CEMENT	1,533.0	1,533.0	RIG UP AND RUN 36 JOINTS OF 9 5/8 36 # J55 CASING TO A SET DEPTH OF 1532' - CENT ON FIRST 3 THEN EVERY THIRD JOINT, 10 TOTAL
01:00	01:30	0.50	13.00	5	COND MUD & CIRC	1,533.0	1,533.0	CIRC, S/M, RIG UP CEMENTERS
01:30	03:30	2.00	15.00	12	RUN CASING & CEMENT	1,533.0	1,533.0	CEMENT WELL - PRESSURE TEST LINES T/ 2500 PSI, 40 BBL H2O SPACER W/ DYE IN LAST 10, 158 BBL/13 PPG/1.93 YLD 460 SACKS, DISPLACE W/ 115 BBLS H2O, BUMP PLUG 500 PSI OVER CHECK FLOATS - FLOATS HELD - 24 BBLS OF CEMENT TO SURFACE - R/D CEMENTERS & WASH UP IN CELLAR - LAND CASING & L/D LANDING JT RIG RELEASED @ 03:30 ON 1/31/2020

Mud Checks										
Date				Type				Depth (ftKB)		
Filtrate (mL/30min)	pH	Solids (%)	Density (lb/gal)	Gel (10m) (lb/100ft²)	Gel (10s) (lb/100ft²)	PV Override (cP)	Vis 3rpm	Vis 100rpm	YP OR (lb/100ft²)	

HPR Supervisor										
Job Contact					Office					
DUSTIN DAVIS, CO-REP										
BOBBY SATO, CO-REP										

Drill Bits													
Type	Make	Model	Len (ft)	Size (in)	SN	Conn Sz (in)	Thread	Depth Drilled This Job (ft)	Gauge Length (ft)	1	2	3	4
PDC	REED	TK-59	1.00	13 1/2	A264045	6 5/8	Reg	1,445.00					

Drill Strings									
BHA # 1	Drill String Name Surface 1	Bit Run 1	Drill Bit 13 1/2in, TK-59, A264045			BHA Objective 1500'		BHA Result SUCCESS	
Nozzles (1/32") 14/14/14/14/14	String Length (ft) 128.27	String Wt (1000lbf) 13	Depth In (ftKB) 88.0	Depth Out (ftKB) 1,533.0	Depth Drilled (ft) 1,445.00	BHA ROP (ft/hr) 321.1	Drilling Time (hr) 4.50		

Drill String Components							
Item Des	OD (in)	ID (in)	Mass/Len (lb/ft)	Grade	Len (ft)	Jts	Top Thread
SPIRAL COLLAR	8	2.88	100.00		30.12		
NMDC 6.5"	6 1/2	3.25	100.00		28.98		
MWD GAP SUB	6 1/2	3.13	100.00		5.33		
NMDC 6.5"	6 3/4	3.25	100.00		30.91		
X/O 6 5/8 REG PIN / 4.5" IF BOX	6 1/2		100.00		3.03		
8" MOTOR	8		100.00		28.90		

Drilling Parameters							
Wellbore Original Hole	Start Depth (ftKB) 88.0	End Depth (ftKB) 1,533.0	Cum Depth Drilled (ft) 1,445.00	Drilling Time (hr) 4.50	Cum Drilling Time (hr) 4.50	Interval ROP (ft/hr) 321.1	Flow Rate (gpm) 675
Weight on Bit (1000lbf) 25	RPM (rpm) 60	Stand Pipe Pressure (psi) 1,550.0	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Bottom Torque
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	BH Temperature (°F)	P Surf Annulus (psi)	T Surf Annulus (°F)	Liquid Return Rate (gpm)	Gas Return Rate (ft³/min)

Hydraulic Calculations				
Bit Hydraulic Power (hp)	Bit Hydraulic Power Per Hole Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	Percent of Pressure Drop at Bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)
Error No mud check data found				