



Daily Drilling - Detail (legal size)

Report Date: 1/31/2020

Report #: 2.0, DFS: 0.54

Depth Progress: 0.00

Well Name: Fox Creek 25-5807BE

Well Name Fox Creek 25-5807BE	API 05-123-50371-00	Excalibur ID 20598	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 1/31/2020 05:00	Regulatory Rig Release Date
Surface Legal Location SWSE Sec 25 T12N R63W	North/South Distance (ft) 930.0	North/South Reference FSL	East/West Distance (ft) 1,410.0	East/West Reference FEL	Lat/Long Datum NAD 83
Latitude (°) 40° 58' 33.308" N	Longitude (°) 104° 22' 36.3" 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
1/31/2020 03:30

End Date
1/31/2020 17:30

Spud Date
1/31/2020 05:00

Target Depth (ftKB)
18,250.0

Target Formation
Niobrara

AFE Number
20598D

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
1/31/2020

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
GOOD

Diesel Used (gal)

Diesel Received (gal)

Diesel on Hand (gal)

Total Rig Power (hp)

24 Hour Summary
DRILL F/350' T/1533', CIRC, POOH, L/D BHA, RUN 9.625" SURFACE CASING, CIRC, CEMENT, LAND CASING & L/D LANDING JT RIG RELEASED @ 17:30 ON 1/31/2020

Remarks
RIG RELEASED @ 17:30 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)
1,533.0

End Depth (ftKB)
1,533.0

Depth Start (TVD) (ftKB)

Depth End (TVD) (ftKB)

Depth Progress (ft)
0.00

Daily Time Breakdown

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Category	Start Depth (ftKB)	End Depth (ftKB)	Com
06:00	10:30	4.50	4.50	2	DRILL ACTUAL	350.0	1,533.0	DRILL F/ 350' T/1533'
10:30	11:30	1.00	5.50	5	COND MUD & CIRC	1,533.0	1,533.0	CIRC HIGH VIS POLYMER SWEEP
11:30	12:30	1.00	6.50	6	TRIPS	1,533.0	1,533.0	TRIP OUT OF HOLE
12:30	13:00	0.50	7.00	20	DIRECTIONAL WORK	1,533.0	1,533.0	LAY DOWN DIR TOOLS
13:00	13:30	0.50	7.50	12	RUN CASING & CEMENT	1,533.0	1,533.0	RIG UP FOR CASING RUN
13:30	15:30	2.00	9.50	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
15:30	16:00	0.50	10.00	5	COND MUD & CIRC	1,533.0	1,533.0	CIRC, S/M, RIG UP CEMENTERS
16:00	17:30	1.50	11.50	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 @ 17:30 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

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 #

Drill String Name

Bit Run

Drill Bit

BHA Objective

BHA Result

Nozzles (1/32")

String Length (ft)

String Wt (1000lbf)

Depth In (ftKB)

Depth Out (ftKB)

Depth Drilled (ft)

BHA ROP (ft/hr)

Drilling Time (hr)

Drill String Components

Item Des	OD (in)	ID (in)	Mass/Len (lb/ft)	Grade	Len (ft)	Jts	Top Thread

Drilling Parameters

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth Drilled (ft)	Drilling Time (hr)	Cum Drilling Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
Weight on Bit (1000lbf)	RPM (rpm)	Stand Pipe Pressure (psi)	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

Rigs

Rig Number
88

Contractor
CARTEL

Rig Type
Drilling Rig

Rotary System

Rig Start Date
1/31/2020 03:30

Rig Release Date
1/31/2020 17:30

Rig Supervisor

Mud Pumps

Pump #

Make

Model

Start Date

End Date

Action Type

SN

Pwr (hp)

Rod Dia (in)

Stroke (in)

Pump Operations

Start Date

End Date

Liner Size (in)

Vol/Stk OR (bbl/stk)

Optimum Vol Per Stroke (bbl/stk)

Max Pressure (psi)

Pump Checks

Date

Depth (ftKB)

Strokes (spm)

Pressure (psi)

Slow Speed Check?

Volumetric Efficiency (%)

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