



Daily Drilling - Detail (legal size)

Report Date: 1/30/2020

Report #: 2.0, DFS: 0.46

Well Name: Fox Creek 25-6005BE

Depth Progress: 0.00

Well Name Fox Creek 25-6005BE	API 05-123-50372-00	Excalibur ID 20523	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 01:30	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) 1,470.0	East/West Reference FEL	Lat/Long Datum NAD 83
Latitude (°) 40° 58' 33.316" N	Longitude (°) 104° 22' 37.081" 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

Target Depth (ftKB)  
18,250.0

Primary Job Type  
Drilling & Completion

Target Formation  
Niobrara

Start Date  
1/30/2020 00:00

Total Fld Est (Cost)

End Date  
1/30/2020 12:30

Total Final Invoice (Cost)

Spud Date  
1/30/2020 01:30

AFE - Field Est (Cost)

Total Depth Drilled (ft)  
1,447.00

Daily Operations

Rig  
CARTEL, 88

Report Start Date  
1/30/2020

Report End Date  
1/30/2020

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  
CIRC, POOH, L/D BHA, RUN 9.625" CASING, RUN 9.625" SURFACE CASING, CIRC, CEMENT, LAND CASING & L/D LANDING JT  
RIG RELEASED @ 12:30 ON 1/30/2020

Remarks  
RIG RELEASED @ 12:30 ON 1/30/2020

Daily Cost Total (Cost)

Cum Cost To Date (Cost)

Daily Mud Cost (Cost)

Mud Additive Cost To Date (Cost)

Actual Phase Field Est (Cost)  
341,598.05

Depth Start (ftKB)  
1,535.0

End Depth (ftKB)  
1,535.0

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	07:00	1.00	1.00	5	COND MUD & CIRC	1,530.0	1,530.0	CIRC HIGH VIS POLYMER SWEEP
07:00	08:00	1.00	2.00	6	TRIPS	1,535.0	1,535.0	TRIP OUT OF HOLE
08:00	08:30	0.50	2.50	20	DIRECTIONAL WORK	1,535.0	1,535.0	LAY DOWN DIR TOOLS
08:30	09:00	0.50	3.00	12	RUN CASING & CEMENT	1,535.0	1,535.0	RIG UP FOR CASING RUN
09:00	10:30	1.50	4.50	12	RUN CASING & CEMENT	1,535.0	1,535.0	RIG UP AND RUN 36 JOINTS OF 9 5/8 36 # J55 CASING TO A SET DEPTH OF 1534' - CENT ON FIRST 3 THEN EVERY THIRD JOINT, 10 TOTAL
10:30	11:00	0.50	5.00	5	COND MUD & CIRC	1,535.0	1,535.0	CIRC, S/M, RIG UP CEMENTERS
11:00	12:30	1.50	6.50	12	RUN CASING & CEMENT	1,535.0	1,535.0	CEMENT WELL - PRESSURE TEST LINES T/ 2500 PSI, 40 BBL H2O SPACER W/ DYE IN LAST 10, 165 BBL/13 PPG/1.93 YLD 480 SACKS, DISPLACE W/ 115 BBLs H2O, BUMP PLUG 500 PSI OVER CHECK FLOATS - FLOATS HELD - 30 BBLs OF CEMENT TO SURFACE - R/D CEMENTERS & WASH UP IN CELLAR - LAND CASING & L/D LANDING JT RIG RELEASED @ 12:30 ON 1/30/2020

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	1,447.00					

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 (1000lb/ft)  
13

Depth In (ftKB)  
88.0

Depth Out (ftKB)  
1,535.0

Depth Drilled (ft)  
1,447.00

BHA ROP (ft/hr)  
321.6

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)  
1,535.0

End Depth (ftKB)  
1,535.0

Cum Depth Drilled (ft)  
1,447.00

Drilling Time (hr)  
0.00

Cum Drilling Time (hr)  
4.50

Interval ROP (ft/hr)

Flow Rate (gpm)  
675

Weight on Bit (1000lb/ft)  
25

RPM (rpm)  
60

Stand Pipe Pressure (psi)  
1,550.0

Drill Str Wt (1000lb/ft)

PU Str Wt (1000lb/ft)

SO Str Wt (1000lb/ft)

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

Rigs

Rig Number  
88

Contractor  
CARTEL

Rig Type  
Drilling Rig

Rotary System

Rig Start Date  
1/30/2020 00:00

Rig Release Date  
1/30/2020 12:30

Rig Supervisor

Mud Pumps

Pump #	Make	Model	Start Date	End Date	Action Type	SN	Pwr (hp)	Rod Dia (in)	Stroke (in)
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