



## Well History

Well Name: Lion Creek 23-0164B

Well Name Lion Creek 23-0164B	API 05-123-47385-	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

Well Name: Lion Creek 23-0164B		Field Name: Hereford	
Excalibur ID: 20240		Total Depth (ftKB): 18,174.0	
User Text 1:	Type of Well:	Type of Comp.:	
7/30/2018 21:30 - 7/31/2018 06:00			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal):
License #:	Report End Date: 7/31/2018	Well Status:	
Operations @ 6:00 AM: DIR WORK			
24 Hour Summary: DRILL CASE AND CEMENT PREVIOUS WELL			
Daily Cost Total (Cost):		Cum Cost To Date (Cost):	
Most Likely Duration (no plan change) (days):		Job Day (days): -34.0	
7/31/2018 06:00 - 8/1/2018 06:00			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal):
License #:	Report End Date: 8/1/2018	Well Status:	
Operations @ 6:00 AM: CASING			
24 Hour Summary: DRILL TOO H RUN CASIN			
Daily Cost Total (Cost): 243,532.02		Cum Cost To Date (Cost): 243,532.02	
Most Likely Duration (no plan change) (days):		Job Day (days): -33.0	
8/1/2018 06:00 - 8/1/2018 11:30			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal):
License #:	Report End Date: 8/1/2018	Well Status:	
Operations @ 6:00 AM: STACK RIG			
24 Hour Summary: RUN CASING AND CEMENT			
Daily Cost Total (Cost):		Cum Cost To Date (Cost): 243,532.02	
Most Likely Duration (no plan change) (days):		Job Day (days): -32.0	
9/3/2018 00:00 - 9/3/2018 06:00			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal): 133
License #:	Report End Date: 9/3/2018	Well Status:	
Operations @ 6:00 AM: TESTING BOP			
24 Hour Summary: SKID RIG - NIPPLE UP BOP - TEST BOP - RIG UP BACK YARD			
Daily Cost Total (Cost): 4,462.00		Cum Cost To Date (Cost): 247,994.02	
Most Likely Duration (no plan change) (days):		Job Day (days): 1.0	
9/3/2018 06:00 - 9/4/2018 06:00			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal): 2052
License #:	Report End Date: 9/4/2018	Well Status:	
Operations @ 6:00 AM: DRILLING 8.75" HOLE			
24 Hour Summary: INSTALL WEAR RING - PU SDI BHA AND LAY DOWN GEO GUIDANCE BHA - TIH - DRILL OUT FLOAT EQUIPMENT - DRILLING 8.75" HOLE - RIG SERVICE - DRILLING 8.75" HOLE - RIG SERVICE - DRILLING 8.75" HOLE - RIG SERVICE - DRILLING 8.75" HOLE			
Daily Cost Total (Cost): 82,546.92		Cum Cost To Date (Cost): 330,540.94	
Most Likely Duration (no plan change) (days):		Job Day (days): 1.0	
9/4/2018 06:00 - 9/5/2018 06:00			
Job Category: D & C		Primary Job Type: Drilling & Completion	
State/Province: Colorado	County: Weld	Wave Conditions:	Diesel Used (gal): 2724
License #:	Report End Date: 9/5/2018	Well Status:	
Operations @ 6:00 AM: WIPER TRIP			
24 Hour Summary: TROUBLESHOOT MWD - DRILLING 8.75" HOLE - CIRCULATE - RIG SERVICE - DRILING 8.75" HOLE - RIG SERVICE - CIRC - WIPER TRIP TO SHOE FOR SHUTTLE LOGS			
Daily Cost Total (Cost): 52,725.24		Cum Cost To Date (Cost): 383,266.18	
Most Likely Duration (no plan change) (days):		Job Day (days): 2.0	



## Well History

**Well Name: Lion Creek 23-0164B**

Well Name Lion Creek 23-0164B	API 05-123-47385-	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

**9/5/2018 06:00 - 9/6/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2297  
**License #:** **Report End Date:** 9/6/2018 **Well Status:**  
**Operations @ 6:00 AM:** TRIP OUT LOGGING  
**24 Hour Summary:** TRIP IN HOLE, CIRC HOLE CLEAN, TRIP OUT, RIG UP WEATHERFORD SHUTTLE LOG, TRIP IN AND DEPLOY TOOL, TRIP OUT LOGGING @ 16'/MIN TO 4200'

**Daily Cost Total (Cost):** 37,328.00 **Cum Cost To Date (Cost):** 420,594.18  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 3.0

**9/6/2018 06:00 - 9/7/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 700  
**License #:** **Report End Date:** 9/7/2018 **Well Status:**  
**Operations @ 6:00 AM:** TRIPPING IN  
**24 Hour Summary:** TRIP OUT LOGGING @ 16'/MIN, LAY DOWN LOGGING TOOLS, RIG UP CASERS AND RUN 7" CASING SET @ 8217', CIRC AND CEMENT, INSTALL 7" PACK OFF, PICK UP DIRECTIONAL TOOLS AND TRIP IN, CUT AND SLIP DRILL LINE,

**Daily Cost Total (Cost):** 293,869.94 **Cum Cost To Date (Cost):** 714,464.12  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 4.0

**9/7/2018 06:00 - 9/8/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 1007  
**License #:** **Report End Date:** 9/8/2018 **Well Status:**  
**Operations @ 6:00 AM:** DRILLING LATERAL  
**24 Hour Summary:** TRIP IN, DRILL OUT SHOE TRACK, DRILL LATERAL FROM 8237' TO 12460'  
**Daily Cost Total (Cost):** 37,034.00 **Cum Cost To Date (Cost):** 751,498.12  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 5.0

**9/8/2018 06:00 - 9/9/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2289  
**License #:** **Report End Date:** 9/9/2018 **Well Status:**  
**Operations @ 6:00 AM:** DRILLING LATERAL  
**24 Hour Summary:** DRILL LATERAL FROM 12460' TO 16411'  
**Daily Cost Total (Cost):** 36,834.00 **Cum Cost To Date (Cost):** 788,332.12  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 6.0

**9/9/2018 06:00 - 9/10/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2353  
**License #:** **Report End Date:** 9/10/2018 **Well Status:**  
**Operations @ 6:00 AM:** TRIPPING OUT  
**24 Hour Summary:** TROUBLE SHOOT MWD, DRILL LATERAL FROM 16411' TO 18174', TD, CIRC, TRIP OUT TO RUN 4.5" CASING  
**Daily Cost Total (Cost):** 39,035.00 **Cum Cost To Date (Cost):** 827,367.12  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 7.0

**9/10/2018 06:00 - 9/11/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 798  
**License #:** **Report End Date:** 9/11/2018 **Well Status:**  
**Operations @ 6:00 AM:** RIG RELEASED  
**24 Hour Summary:** TRIP OUT, LAY DOWN DIRECTIONAL TOOLS, RIG UP AND RUN 4.5" LINER, CIRC, CEMENT, TRIP OUT LINER HANGER SETTING TOOL, NIPPLE DOWN BOP, RIG RELEASE @ 9/11/18 02:30  
**Daily Cost Total (Cost):** 317,621.49 **Cum Cost To Date (Cost):** 1,144,988.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 8.0

**9/19/2018 06:00 - 9/20/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):**  
**License #:** **Report End Date:** 9/20/2018 **Well Status:**  
**Operations @ 6:00 AM:** RIG SECURED  
**24 Hour Summary:** MI/RU E-LINE RUN CBL'S  
**Daily Cost Total (Cost):** 4,000.00 **Cum Cost To Date (Cost):** 1,148,988.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 17.0



## Well History

Well Name: Lion Creek 23-0164B

Well Name Lion Creek 23-0164B	API 05-123-47385-___	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

9/20/2018 06:00 - 9/21/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal):

License #:

Report End Date: 9/21/2018

Well Status:

Operations @ 6:00 AM: Secure well

24 Hour Summary: MI RU Run Tieback land and secure well

Daily Cost Total (Cost): 109,970.00

Cum Cost To Date (Cost): 1,258,958.61

Most Likely Duration (no plan change) (days):

Job Day (days): 18.0

9/21/2018 06:00 - 9/22/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal):

License #:

Report End Date: 9/22/2018

Well Status:

Operations @ 6:00 AM: RIH to perf and log out stage 1

24 Hour Summary: RU HES and Patriot wireline.  
Acidize toe.

Daily Cost Total (Cost): 7,056.00

Cum Cost To Date (Cost): 1,266,014.61

Most Likely Duration (no plan change) (days):

Job Day (days): 19.0

9/22/2018 06:00 - 9/23/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal): 823

License #:

Report End Date: 9/23/2018

Well Status:

Operations @ 6:00 AM: Currently RIH to perf stage 3

24 Hour Summary: Frac stages - 1-2  
Perf stages - 1-2

Daily Cost Total (Cost): 19,073.00

Cum Cost To Date (Cost): 1,285,087.61

Most Likely Duration (no plan change) (days):

Job Day (days): 20.0

9/23/2018 06:00 - 9/24/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal): 2131

License #:

Report End Date: 9/24/2018

Well Status:

Operations @ 6:00 AM: Currently Frac Stage 7

24 Hour Summary: Frac stages - 3-6  
Perf stages - 3-7

Daily Cost Total (Cost): 39,162.00

Cum Cost To Date (Cost): 1,324,249.61

Most Likely Duration (no plan change) (days):

Job Day (days): 21.0

9/24/2018 06:00 - 9/25/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal): 2777

License #:

Report End Date: 9/25/2018

Well Status:

Operations @ 6:00 AM: Standby to perf stage 13

24 Hour Summary: Frac stages - 7-12  
Perf stages - 8-12

Daily Cost Total (Cost): 45,610.00

Cum Cost To Date (Cost): 1,369,859.61

Most Likely Duration (no plan change) (days):

Job Day (days): 22.0

9/25/2018 06:00 - 9/26/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal): 2890

License #:

Report End Date: 9/26/2018

Well Status:

Operations @ 6:00 AM: Perforating stage 18

24 Hour Summary: Frac stages - 13-17  
Perf stages - 13-17

Daily Cost Total (Cost): 38,263.00

Cum Cost To Date (Cost): 1,408,122.61

Most Likely Duration (no plan change) (days):

Job Day (days): 23.0



## Well History

Well Name: Lion Creek 23-0164B

Well Name Lion Creek 23-0164B	API 05-123-47385-	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

9/26/2018 06:00 - 9/27/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2561  
**License #:** **Report End Date:** 9/27/2018 **Well Status:**  
**Operations @ 6:00 AM:** Standby to frac stage 24  
**24 Hour Summary:** Frac stages - 18-23  
Perf stages - 18-24

**Daily Cost Total (Cost):** 49,706.00 **Cum Cost To Date (Cost):** 1,457,828.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 24.0

9/27/2018 06:00 - 9/28/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 1784  
**License #:** **Report End Date:** 9/28/2018 **Well Status:**  
**Operations @ 6:00 AM:** Standby to Perf zone 31  
**24 Hour Summary:** Frac stages - 24-30  
Perf stages - 25-30

**Daily Cost Total (Cost):** 48,263.00 **Cum Cost To Date (Cost):** 1,506,091.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 25.0

9/28/2018 06:00 - 9/29/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2990  
**License #:** **Report End Date:** 9/29/2018 **Well Status:**  
**Operations @ 6:00 AM:** Prepare to inject into zone 35  
**24 Hour Summary:** Frac stages - 31-35  
Perf stages - 31-35

**Daily Cost Total (Cost):** 38,650.00 **Cum Cost To Date (Cost):** 1,544,741.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 26.0

9/29/2018 06:00 - 9/30/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2444  
**License #:** **Report End Date:** 9/30/2018 **Well Status:**  
**Operations @ 6:00 AM:** Stuck in well with WL on zone 38  
**24 Hour Summary:** Frac stages - 36-37  
Perf stages - 36-37

**Daily Cost Total (Cost):** 23,029.00 **Cum Cost To Date (Cost):** 1,567,770.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 27.0

9/30/2018 06:00 - 10/1/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2877  
**License #:** **Report End Date:** 10/1/2018 **Well Status:**  
**Operations @ 6:00 AM:** Wait on Instruction from management  
**24 Hour Summary:** Frac stages - none  
Perf stages - 38

**Daily Cost Total (Cost):** 10,633.00 **Cum Cost To Date (Cost):** 1,578,403.61  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 28.0

10/1/2018 06:00 - 10/2/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2367  
**License #:** **Report End Date:** 10/2/2018 **Well Status:**  
**Operations @ 6:00 AM:** Standby to perf stage 44  
**24 Hour Summary:** Frac stages - 38-43  
Perf stages - 39-43

**Daily Cost Total (Cost):** 87,361.80 **Cum Cost To Date (Cost):** 1,665,765.41  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 29.0



## Well History

**Well Name: Lion Creek 23-0164B**

Well Name Lion Creek 23-0164B	API 05-123-47385-	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

**10/2/2018 06:00 - 10/3/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2352  
**License #:** **Report End Date:** 10/3/2018 **Well Status:**  
**Operations @ 6:00 AM:** Frac stage 44  
**24 Hour Summary:** Frac stages - none  
Perf stages - 44  
**Daily Cost Total (Cost):** 9,662.00 **Cum Cost To Date (Cost):** 1,675,427.41  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 30.0

**10/3/2018 06:00 - 10/4/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2410  
**License #:** **Report End Date:** 10/4/2018 **Well Status:**  
**Operations @ 6:00 AM:** Flowback  
**24 Hour Summary:** Frac stages - 44-49  
Perf stages - 45-49  
**Daily Cost Total (Cost):** 40,687.00 **Cum Cost To Date (Cost):** 1,716,114.41  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 31.0

**10/4/2018 06:00 - 10/5/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2396  
**License #:** **Report End Date:** 10/5/2018 **Well Status:**  
**Operations @ 6:00 AM:** Perforate zone 55  
**24 Hour Summary:** Frac stages - 50-54  
Perf stages - 50-54  
**Daily Cost Total (Cost):** 37,905.00 **Cum Cost To Date (Cost):** 1,754,019.41  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 32.0

**10/5/2018 06:00 - 10/6/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 3128  
**License #:** **Report End Date:** 10/6/2018 **Well Status:**  
**Operations @ 6:00 AM:** Perf stage 62  
**24 Hour Summary:** Frac stages - 55-61  
Perf stages - 55-61  
**Daily Cost Total (Cost):** 63,751.00 **Cum Cost To Date (Cost):** 1,817,770.41  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 33.0

**10/6/2018 06:00 - 10/7/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 1839  
**License #:** **Report End Date:** 10/7/2018 **Well Status:**  
**Operations @ 6:00 AM:** Frac zone 69  
**24 Hour Summary:** Frac stages - 62-68  
Perf stages - 62-69  
**Daily Cost Total (Cost):** 59,987.90 **Cum Cost To Date (Cost):** 1,877,758.31  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 34.0

**10/7/2018 06:00 - 10/8/2018 06:00**

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 3234  
**License #:** **Report End Date:** 10/8/2018 **Well Status:**  
**Operations @ 6:00 AM:** Standby to Frac zone 75  
**24 Hour Summary:** Frac stages - 69-74  
Perf stages - 70-75  
**Daily Cost Total (Cost):** 48,589.00 **Cum Cost To Date (Cost):** 1,926,347.31  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 35.0





## Well History

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Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

10/8/2018 06:00 - 10/9/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 3220  
**License #:** **Report End Date:** 10/9/2018 **Well Status:**  
**Operations @ 6:00 AM:** Perf stage 80  
**24 Hour Summary:** Frac stages - 75-79  
Perf stages - 76-79

**Daily Cost Total (Cost):** 39,217.00 **Cum Cost To Date (Cost):** 1,965,564.31  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 36.0

10/9/2018 06:00 - 10/10/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2878  
**License #:** **Report End Date:** 10/10/2018 **Well Status:**  
**Operations @ 6:00 AM:** Well Shut in.  
**24 Hour Summary:** Frac stages - 80-83  
Perf stages - 80-83  
Set Kill Plug

**Daily Cost Total (Cost):** 40,824.00 **Cum Cost To Date (Cost):** 2,006,388.31  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 37.0

10/10/2018 06:00 - 10/11/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 2382  
**License #:** **Report End Date:** 10/11/2018 **Well Status:**  
**Operations @ 6:00 AM:** Well shut in and secured  
**24 Hour Summary:** Well Shut in.

**Daily Cost Total (Cost):** 2,394,011.22 **Cum Cost To Date (Cost):** 4,400,399.53  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 38.0

10/11/2018 06:00 - 10/12/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):** 1364  
**License #:** **Report End Date:** 10/12/2018 **Well Status:**  
**Operations @ 6:00 AM:** Well shut in and secured  
**24 Hour Summary:** Well Shut in.

**Daily Cost Total (Cost):** 5,689.00 **Cum Cost To Date (Cost):** 4,406,088.53  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 39.0

11/27/2018 06:00 - 11/28/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):**  
**License #:** **Report End Date:** 11/28/2018 **Well Status:**  
**Operations @ 6:00 AM:** WSI  
**24 Hour Summary:** MIRU Ensign WOR 350

**Daily Cost Total (Cost):** 33,874.00 **Cum Cost To Date (Cost):** 4,439,962.53  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 86.0

11/28/2018 06:00 - 11/29/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):**  
**License #:** **Report End Date:** 11/29/2018 **Well Status:**  
**Operations @ 6:00 AM:** Rig up Ensign Rig 350 and support equipment.  
**24 Hour Summary:** MIRU Rig. PU DO BHA. RIH. DO CFP's 1 - 35

**Daily Cost Total (Cost):** 34,466.00 **Cum Cost To Date (Cost):** 4,474,428.53  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 87.0

11/29/2018 06:00 - 11/30/2018 06:00

**Job Category:** D & C **Primary Job Type:** Drilling & Completion  
**State/Province:** Colorado **County:** Weld **Wave Conditions:** **Diesel Used (gal):**  
**License #:** **Report End Date:** 11/30/2018 **Well Status:**  
**Operations @ 6:00 AM:** DO CFP's  
**24 Hour Summary:** DO CFP's 36-83

**Daily Cost Total (Cost):** 32,157.00 **Cum Cost To Date (Cost):** 4,506,585.53  
**Most Likely Duration (no plan change) (days):** **Job Day (days):** 88.0



## Well History

Well Name: Lion Creek 23-0164B

Well Name Lion Creek 23-0164B	API 05-123-47385-___	License #	Excalibur ID 20240	Operator HighPoint Resources	Government Authority Fee
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,411.20	Ground Elevation (ft) 5,391.20	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/1/2018 06:00	Regulatory Rig Release Date
Surface Legal Location NWNW Sec 23 T11N R64W	North/South Distance (ft) 300.0	North/South Reference FNL	East/West Distance (ft) 1,320.0	East/West Reference FWL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 45.922" N	Longitude (°) 104° 31' 2.348" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

11/30/2018 06:00 - 12/1/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal):

License #:

Report End Date: 12/1/2018

Well Status:

Operations @ 6:00 AM: Circulate

24 Hour Summary: LD workstring. Release Tieback.

Daily Cost Total (Cost): 52,148.00

Cum Cost To Date (Cost): 4,558,733.53

Most Likely Duration (no plan change) (days):

Job Day (days): 89.0

12/1/2018 06:00 - 12/2/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal):

License #:

Report End Date: 12/2/2018

Well Status:

Operations @ 6:00 AM: WSI to monitor balance.

24 Hour Summary: LD Tieback. RIH w/ Production Packer.

Daily Cost Total (Cost): 37,516.00

Cum Cost To Date (Cost): 4,596,249.53

Most Likely Duration (no plan change) (days):

Job Day (days): 90.0

12/2/2018 06:00 - 12/3/2018 06:00

Job Category: D & C

Primary Job Type: Drilling & Completion

State/Province: Colorado

County: Weld

Wave Conditions:

Diesel Used (gal):

License #:

Report End Date: 12/3/2018

Well Status:

Operations @ 6:00 AM: Evacuate kill fluid.

24 Hour Summary: Evacuate kill fluid. TOOH. TIH installing GLV's. Land well. RDMO Ensign rig 350.

Daily Cost Total (Cost): 99,043.50

Cum Cost To Date (Cost): 4,695,293.03

Most Likely Duration (no plan change) (days):

Job Day (days): 91.0