



Casing

Well Name: Critter Creek 16-6005BE

Intermediate

Well Name Critter Creek 16-6005BE	API 05-123-47306-00	Excalibur ID 20219	Operator HighPoint Resources	Current Well Status PRODUCING	Government Authority State of Colorado
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,273.00	Ground Elevation (ft) 5,253.00	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/20/2018 10:00	Regulatory Rig Release Date 12/27/2018 01:30
Surface Legal Location SESE Sec 16 T11N R63W	North/South Distance (ft) 430.0	North/South Reference FSL	East/West Distance (ft) 1,064.0	East/West Reference FEL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 58.637" N	Longitude (°) 104° 25' 56.33" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

Kick Offs & Key Depths

Wellbore Name					Top Depth (ftKB)
Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
Surface	13 1/2	20.0	1,547.0	8/20/2018 10:00	8/21/2018 03:00
Intermediate	8 3/4	1,547.0	8,010.0	12/14/2018 09:00	12/16/2018 01:30

Wellhead

Type	Start Date	Service	Comment
------	------------	---------	---------

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description Intermediate	Set Depth (ftKB) 7,995.0	Run Date 12/16/2018 11:30	Set Tension (kips)
Centralizers		Scratchers	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top Thread	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)
Landing Joint	7	6.37	23.00	J-55	0.00	1	LT&C	20.1	20.1	
Pup Joint	7	6.37	23.00	J-55	3.40	1	LT&C	20.1	23.5	
Casing Joints	7	6.37	23.00	J-55	5,959.07	138	LT&C	23.5	5,982.5	
Marker Joint	7	6.37	23.00	J-55	20.91	1	LT&C	5,982.5	6,003.4	
Casing Joints	7	6.37	23.00	J-55	1,945.42	45	LT&C	6,003.4	7,948.9	
Float Collar	7	6.37	23.00	J-55	1.50	1	LT&C	7,948.9	7,950.4	
Casing Joints	7	6.37	23.00	J-55	43.15	1	LT&C	7,950.4	7,993.5	
Float Shoe	7	6.37	23.00	J-55	1.50	1	LT&C	7,993.5	7,995.0	



Cement

Well Name: Critter Creek 16-6005BE

Intermediate Casing Cement

Well Name Critter Creek 16-6005BE	API 05-123-47306-00	Excalibur ID 20219	Operator HighPoint Resources	Current Well Status PRODUCING	Government Authority State of Colorado
Well Configuration Type Horizontal	Original KB Elevation (ft) 5,273.00	Ground Elevation (ft) 5,253.00	KB-Ground Distance (ft) 20.00	Regulatory Drilling Spud Date 8/20/2018 10:00	Regulatory Rig Release Date 12/27/2018 01:30
Surface Legal Location SESE Sec 16 T11N R63W	North/South Distance (ft) 430.0	North/South Reference FSL	East/West Distance (ft) 1,064.0	East/West Reference FEL	Lat/Long Datum NAD 83
Latitude (°) 40° 54' 58.637" N	Longitude (°) 104° 25' 56.33" W	Basin DJ Basin	Field Name Hereford	County Weld	State/Province Colorado

Cement Details

Description Intermediate Casing Cement	String Intermediate, 7,995.0ftKB	Type Casing	Cementing Start Date 12/16/2018 23:00	Cementing End Date 12/17/2018 02:00	Cementing Company Halliburton Energy Services
Job Category D & C	Wellbore Original Hole	Evaluation Method Returns to Surface	Cement Evaluation Results 15 BBLS SPACER TO SURFACE	Technical Result	Cementing Supervisor NICK ROLES

Comment

Cement Stages

Stage # 1

Stage Number 1	Description Intermediate Casing Cement	Objective CEMENT TO SURFACE	Top Depth (ftKB) 169.0	Bottom Depth (ftKB) 7,995.0	Full Return? No	Vol Cement Ret (bbl) 0.0	Top Plug? Yes	Bottom Plug? No
Q Pump Init (bbl/min) 5	Q Pump Final (bbl/min) 3	Q Pump Avg (bbl/min) 4	P Pump Final (psi) 2,620.0	P Plug Bump (psi) 3,180.0	Pipe Reciprocated? No	Stroke (ft)	Pipe Rotated? No	Pipe RPM (rpm)
Tagged Depth (ftKB)	Tag Method	Top Measurement Method Volume Calculations				Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)	

Comment

GOT 15 BBLS SPACER TO SURFACE

Cement Fluids & Additives

Fluid

Fluid Type Tail	Fluid Description	Estimated Top (ftKB) 0.0	Est Btm (ftKB) 7,995.0	Amount (sacks) 790	Class TYPE 1-11	Volume Pumped (bbl) 218.0
Yield (ft ³ /sack) 1.57	Mix H2O Ratio (gal/sack) 7.52	Free Water (%)	Density (lb/gal) 13.20	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives

Add	Type	Amount	Amount Units	Conc	Conc Unit