



Casing

Intermediate

Well Name: Anschutz State 05-62-26-4841C

Well Name Anschutz State 05-62-26-4841C	API 05-123-46085-__	Excalibur ID 19904	Operator HighPoint Resources	Current Well Status Producing	Government Authority
Well Configuration Type Horizontal	Original KB Elevation (ft) 4,672.60	Ground Elevation (ft) 4,656.10	KB-Ground Distance (ft) 16.50	Regulatory Drilling Spud Date 2/25/2018 16:45	Regulatory Rig Release Date 4/23/2018 13:00
Surface Legal Location NESE Sec. 27 T5N R62W	North/South Distance (ft) 1,345.0	North/South Reference FSL	East/West Distance (ft) 400.0	East/West Reference FEL	Lat/Long Datum
Latitude (°)	Longitude (°)	Basin DJ Basin	Field Name Briggsdale	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	17.0	819.0	2/25/2018 16:45	2/26/2018 02:00
Intermediate	8 3/4	819.0	6,713.0	4/17/2018 19:00	4/19/2018 03:00

Wellhead				
Type	Start Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing			
Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Intermediate	6,698.5	4/19/2018 10:00	
Centralizers	FIRST TWO, EVERY THIRD FOR TOTAL OF 12		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)
MANDREL	7	6.37	26.00	J-55	1.00	1	LT&C	16.5	17.5	
PUP JT	7	6.37	23.00	HCP-110	3.30	1	LT&C	17.5	20.8	
Casing Joints	7	6.37	23.00	HCL-80	4,827.50	104	LT&C	20.8	4,848.3	
MARKER JOINT	7	6.37	23.00	HCL-80	22.11	1	LT&C	4,848.3	4,870.4	
Casing Joints	7	6.37	23.00	HCL-80	1,778.04	39	LT&C	4,870.4	6,648.5	
Float Collar	7	6.13	26.00	K-55	1.50	1	LT&C	6,648.5	6,650.0	
Casing Joints	7	6.37	23.00	HCL-80	47.08	1	LT&C	6,650.0	6,697.0	
Float Shoe	7		26.00	K-55	1.50	1		6,697.0	6,698.5	



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Cement Details

Description Intermediate Casing Cement	String Intermediate, 6,698.5ftKB	Type Casing	Cementing Start Date 4/19/2018 17:00	Cementing End Date 4/19/2018 19:15	Cementing Company BJ
Job Category	Wellbore Original Hole	Evaluation Method Returns to Surface	Cement Evaluation Results 20 BBLs SPACER TO SURFACE 11 BBLs CEMENT TO SURFACE	Technical Result Success	Cementing Supervisor ROGER ACUNA

Comment

Cement Stages

Stage # 1								
Stage Number 1	Description Intermediate Casing Cement	Objective	Top Depth (ftKB) 16.5	Bottom Depth (ftKB) 6,698.5	Full Return? Yes	Vol Cement Ret (bbl) 11.0	Top Plug? No	Bottom Plug? Yes
Q Pump Init (bbl/min) 2	Q Pump Final (bbl/min) 7	Q Pump Avg (bbl/min) 5	P Pump Final (psi) 1,800.0	P Plug Bump (psi) 2,300.0	Pipe Reciprocated? No	Stroke (ft) 0.00	Pipe Rotated? No	Pipe RPM (rpm) 0
Tagged Depth (ftKB)	Tag Method	Top Measurement Method Volume Calculations			Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)		

Comment

Cement Fluids & Additives

Fluid						
Fluid Type WATER SPACER	Fluid Description WATER	Estimated Top (ftKB) 0.0	Est Btm (ftKB) 0.0	Amount (sacks) 0	Class FRESH WATER	Volume Pumped (bbl) 30.0
Yield (ft ³ /sack)	Mix H2O Ratio (gal/sack)	Free Water (%)	Density (lb/gal) 8.33	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives						
Add	Type	Amount	Amount Units	Conc	Conc Unit	

Fluid						
Fluid Type WEIGHT SPACER	Fluid Description WT SPACER	Estimated Top (ftKB) 0.0	Est Btm (ftKB) 0.0	Amount (sacks) 0	Class TUNED	Volume Pumped (bbl) 20.0
Yield (ft ³ /sack)	Mix H2O Ratio (gal/sack)	Free Water (%)	Density (lb/gal) 11.00	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives						
Add	Type	Amount	Amount Units	Conc	Conc Unit	

Fluid						
Fluid Type LEAD CEMENT	Fluid Description CONTROL SET C - ELASTICEM	Estimated Top (ftKB) 16.5	Est Btm (ftKB) 5,000.0	Amount (sacks) 380	Class ALTM TYPE 3	Volume Pumped (bbl) 140.0
Yield (ft ³ /sack) 2.07	Mix H2O Ratio (gal/sack) 11.83	Free Water (%)	Density (lb/gal) 12.50	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives						
Add	Type	Amount	Amount Units	Conc	Conc Unit	

Fluid						
Fluid Type TAIL CEMENT	Fluid Description CONTROL SET C - ELASTICEM	Estimated Top (ftKB) 5,000.0	Est Btm (ftKB) 6,698.5	Amount (sacks) 270	Class CLASS G	Volume Pumped (bbl) 55.0
Yield (ft ³ /sack) 1.15	Mix H2O Ratio (gal/sack) 4.98	Free Water (%)	Density (lb/gal) 15.80	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives						
Add	Type	Amount	Amount Units	Conc	Conc Unit	

Fluid						
Fluid Type DISPLACEMENT	Fluid Description WATER	Estimated Top (ftKB) 6,698.5	Est Btm (ftKB) 0.0	Amount (sacks) 0	Class FRESH WATER	Volume Pumped (bbl) 261.0
Yield (ft ³ /sack)	Mix H2O Ratio (gal/sack)	Free Water (%)	Density (lb/gal) 8.33	Plastic Viscosity (cP)	Thickening Time (hr)	CmprStr 1 (psi)

Additives						
Add	Type	Amount	Amount Units	Conc	Conc Unit	