



Lease Review All - CR
Well Name: EQUITY FEDERAL 2-7

API Number 0510307796		WPC ID 8CO059803		Well Permit Number 760104		Field Name Rangely		County Rio Blanco		State CO															
Well Configuration Type Vertical				Orig KB Elv (ft) 5,394.00		Ground Elevation (ft) 5,380.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 6,780.0													
Original Spud Date 2/18/1976		Completion Date 4/2/1976		Asset Group Central Rockies		Responsible Engineer Jared Huckabee		N/S Dist (ft) 667.0		N/S Ref FSL		E/W Dist (ft) 1,827.0		E/W Ref FWL											
Lot		Quarter 1 SE		Quarter 2 SW		Quarter 3		Quarter 4		Section 7		Section Suffix		Section Type		Township 2 N		Township N/S Dir		Range 102		Range E/W Dir W		Meridian	
Vertical - Original Hole, 11/4/2014 2:23:39 PM																Wellbore Sections									
MD (ftKB)		TV D (ftK B)		n cl (° B)		Vertical schematic (actual)		Logs		Section Des		Wellbore Name		Start Date		Size (in)		Act Top (ftKB)		Act Btm (ftKB)					
										Surface		Original Hole		2/18/1976		12 1/4		14.0		510.0					
										Production		Original Hole		2/19/1976		7 7/8		510.0		6,780.0					
Surface Casing, 510.0ftKB																									
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des													
8 5/8		24.00		K-55		14.0		508.5		494.50		Casing Joints													
8 5/8						508.5		510.0		1.50		Shoe													
Production Casing, 6,700.0ftKB																									
OD (in)		Wt (lb/ft)		Grade		Top (ftKB)		Btm (ftKB)		Len (ft)		Item Des													
5 1/2		15.50		K-55		14.0		6,698.5		6,684.50		Casing Joints													
5 1/2						6,698.5		6,700.0		1.50		Shoe													
Cement Stages																									
Des		Pump Start Date		Drill Out Date		Top (ftKB)		Btm (ftKB)		Top Meas Meth															
Surf Cmt		2/18/1976				14.0		510.0																	
Prod Cmt		3/3/1976				3,395.0		6,700.0		Cement Bond Log															
Cmt below shoe		3/3/1976				6,700.0		6,780.0																	
5 sx cmt on CIBP		9/14/1997		9/17/2009		6,380.0		6,400.0		Unknown															
Sqz Csg Leak		9/14/1997				5,443.0		5,656.0																	
Cmt Plug		9/14/1997		9/17/2009		5,497.0		5,652.0																	
Perforations																									
Type of Hole		Date		Top (ftKB)		Btm (ftKB)		Zone																	
Perforated		9/24/2009		6,477.0		6,479.0		Weber, Original Hole																	
Perforated		3/23/1976		6,478.0		6,479.0		Weber, Original Hole																	
Perforated		9/24/2009		6,511.0		6,514.0		Weber, Original Hole																	
Perforated		3/23/1976		6,512.0		6,514.0		Weber, Original Hole																	
Perforated		3/23/1976		6,522.0		6,528.0		Weber, Original Hole																	
Perforated		9/24/2009		6,522.0		6,528.0		Weber, Original Hole																	
Perforated		3/16/1976		6,536.0		6,566.0		Weber, Original Hole																	
Perforated		3/16/1976		6,582.0		6,592.0		Weber, Original Hole																	
Stim/Treat Stages																									
Stage Type		Start Date		Top (ftKB)		Btm (ftKB)		Stim/Treat Fluid				Vol Clean Pump (bbl)													
Acidization		3/29/1976		6,478.0		6,528.0																			
Frac		3/29/1976		6,478.0		6,528.0		7500# 100 Mesh, Sand																	
Acidization		5/10/1978		6,478.0		6,528.0		15% HCl, Acid				5.95													
Acidization		9/1/1982		6,478.0		6,528.0		15% HCl, Acid				11.90													
Acidization		8/24/1985		6,478.0		6,528.0																			
Tubing - Production set at 6,481.6ftKB on 8/14/2014 12:00																									
Set Depth (ftKB)		Comment								Run Date				Pull Date											
6,481.6										8/14/2014															
Item Des		OD (in)		ID (in)		Wt (lb/ft)		Grade		Jts		Len (ft)		Top (ftKB)		Btm (ftKB)									
Tubing		2 7/8		2.441		6.50		N-80		206		6,437.35		0.0		6,437.4									
Anchor/Catcher		2 7/8		2.441								2.76		6,437.4		6,440.1									
Seating Nipple		2 7/8		2.284				N-80				0.78		6,440.1		6,440.9									
Collar & Perf Sub		3 3/4		2.441		6.50		J-55				4.10		6,440.9		6,445.0									
Collar & Perf Sub		3 3/4		2.441		6.50		J-55				4.00		6,445.0		6,449.0									
Tubing		2 7/8		2.441		6.50		N-80		1		31.83		6,449.0		6,480.8									
Bull Plug w/ collar		3 3/4										0.80		6,480.8		6,481.6									
Rod Strings																									
D Rod on 8/15/2014 07:00																									
Rod Description								Run Date				Pull Date													
D Rod								8/15/2014																	
Item Des		OD (in)		Grade		Jts		Len (ft)		Top (ftKB)		Btm (ftKB)													
Polished Rod		1 1/2				1		18.00		7.0		25.0													
Pony Rod		1				1		4.00		25.0		29.0													
Pony Rod		1				1		8.00		29.0		37.0													
Rod		1				60		1,500.00		37.0		1,537.0													
Slick Rod		7/8		D		48		1,200.00		1,537.0		2,737.0													
Guided Rod (molded)		7/8		D		25		625.00		2,737.0		3,362.0													
Guided Rod (molded)		3/4		D		118		2,950.00		3,362.0		6,312.0													
Slick Rod		1		D		5		125.00		6,312.0		6,437.0													
Rod Pump		2 1/2						16.00		6,437.0		6,453.0													
Other Strings																									
Set Depth (ftKB)		Comment								Run Date				Pull Date											
Item Des		OD (in)		ID (in)		Len (ft)		Top (ftKB)		Btm (ftKB)															
Other In Hole																									
Des		OD (in)		ID (in)		Run Date		Pull Date		Top (ftKB)		Btm (ftKB)													
Fill		4.95				8/13/2014				6,526.0		6,536.0													
Tag hard, possible cmt or another plug		4.95				9/23/2009				6,536.0		6,550.0													
CIBP		4.95				3/17/1976				6,550.0		6,551.0													



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Lot	Quarter 1 SE	Quarter 2 SW	Quarter 3	Quarter 4	Section 7
			Section Suffix	Section Type	Township 2 N
					Range 102 W

Vertical - Original Hole, 11/4/2014 2:23:39 PM

Bottom Hole Cores

MD (ftKB)	TV D (ftKB B)	n cl (°)	Vertical schematic (actual)	Logs	Date	Core #	Top (ftKB)	Btm (ftKB)	Recov (ft)
0.0									
6.9									
14.1									
24.9									
28.9									
37.1									
508.5									
509.8									
1,537.1									
2,736.9									
3,361.9									
3,395.0									
5,442.9									
5,497.0									
5,651.9									
5,655.8									
6,312.0									
6,379.9									
6,399.9									
6,437.0									
6,437.3									
6,440.0									
6,440.9									
6,444.9									
6,449.1									
6,453.1									
6,477.0									
6,478.0									
6,479.0									
6,481.0									
6,481.6									
6,511.2									
6,512.1									
6,514.1									
6,522.0									
6,525.9									
6,527.9									
6,536.1									
6,549.9									
6,550.9									
6,565.9									
6,582.0									
6,591.9									
6,698.5									
6,700.1									
6,779.9									