



# P&A Wellbore For State

Well Name: Francis 11-8

Original Hole [Land]		Well Header										
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512322517		Business Unit Rockies		Gov Auth Dist Evans		Prod Tree Loc Land				
		Orig. KB to Gnd (ft) 10.00		Original Spud Date 12/19/2004		Abandon Date		Well Sub-Status PR		High...		
		Comment Annular Fill surface to 3072'. JH 9/18/24										
		Surface Location (Congressional)										
		Qtr 3 NW	Qtr 4 NW	Section 8	Twnshp 6	Twnsh... N	Range 64	Rng E/... W	Latitude (°) 40.50644	Longitude (°) -104.58197		
Wellbore Sections												
		Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)				
		Surface		12 1/4		10.0		420.0				
		Production		7 7/8		420.0		7,258.0				
Casing Strings												
		Csg Des		Run Date		OD (in)		Wt/Len (lb/ft)		Grade		
		Surface		12/19/2004		8 5/8		24.00		J-55		
		Production		12/23/2004		4 1/2		10.50		M-65		
Cement												
		Des		Start Date		Top (ftKB)		Btm (ftKB)				
		Surface Casing Cement		12/19/2004		10.0		410.0				
		Production Casing Cement		12/23/2004		3,094.0		7,232.0				
		Annular Fill		10/21/2011		10.0		3,072.0				
Zone Statuses												
		Zone Name		Status Date		Status		Fluid Type		Job		
										Prod Method		
Perforation Data												
		Linked Zone		Explosive Type		Entered Shot Total		Top (ftKB)		Btm (ftKB)		
		Niobrara_A, Original Hole				4		6,742.0		6,744.0		
		Niobrara_B, Original Hole				24		6,875.0		6,883.0		
		Codell, Original Hole				24		7,036.0		7,044.0		
		Codell, Original Hole				24		7,036.0		7,044.0		
Stim/Frac Stage												
		Zone		Start Date		Top (ftKB)		Btm (ftKB)				
		Codell, Original Hole		1/4/2005								
		Codell, Original Hole		10/26/2011								
		Codell, Original Hole		2/14/2005								
		Niobrara, Original Hole		10/26/2011								
Other In Hole												
		Run Date		Des		Make		OD (in)		Top (ftKB)		
										Btm (ftKB)		
Logs												
		Date		Type				Depth Top (MD) (ftKB)		Btm (ftKB)		
		12/23/2004		Compensated Density Neutron (CDN)				410		7,258.0		
		12/30/2004		CBL/VDL/GR/CCL				3,000		7,162.0		
		10/24/2011		CBL/VDL/GR/CCL				10		3,200.0		
		2/14/2017		Gyro				100		7,000.0		
Wellbore Plug Back Total Depths												
		Date		Type		Corn				PBTD (ftKB)		
		12/23/2004								7,258		
		10/31/2011				Drill out plug and push it down to, wash and push plug down to...				7,153		

7.9

9.8

14.1

20.0

25.9

49.9

410.1

419.9

955.1

2,671.9

2,772.0

2,774.0

3,071.9

3,094.2

3,569.9

3,597.1

6,667.0

6,693.9

6,742.1

6,744.1

6,875.0

6,882.9

7,020.3

7,022.0

7,036.1

7,044.0

7,152.6

7,216.5

7,231.0

7,232.0

7,257.9

Surface Casing Cement, Casing, 12/19/2004 00:00; 10-410; 2004-12-19

Production Casing Cement, Casing - Remedial, 10/21/2011 00:00 (Annular Fill); 10-3072; 2011-10-21; TIH w/ 1 1/4" annular cmt string, tag original cmt @ 3072'. Set EOT @ 3057'.

Production Casing Cement, Casing, 12/23/2004 00:00; 3094-7232; 2004-12-23

6,742.0-6,744.0ftKB on 10/26/2011 10:00 (Perforated); 6742-6744; 2011-10-26 10:00

6,875.0-6,883.0ftKB on 10/26/2011 10:00 (Perforated); 6875-6883; 2011-10-26 10:00

7,036.0-7,044.0ftKB on 10/24/2011 13:30 (Perforated); 7036-7044; 2011-10-24 13:30

7,036.0-7,044.0ftKB on 1/4/2005 00:00 (Perforated); 7036-7044; 2005-01-04