



# P&A Wellbore For State

Well Name: RYANN STATE C16-21

Original Hole [Land]		Well Header									
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512325369			Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 10.00		Original Spud Date 1/24/2008		Abandon Date		Well Sub-Status PR		High...	
		Comment									
		Surface Location (Congressional)									
		Qtr 3 NW	Qtr 4 SE	Section 16	Twنش 4	Twنش... N	Range 64	Rng E/... W	Latitude (°) 40.31106672 7	Longitude (°) -104.554614424	
		Wellbore Sections									
		Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)			
		SURFACE		12 1/4		10.0		578.0			
		PRODUCTION		7 7/8		578.0		7,028.0			
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		PRODUCTION		7 7/8		578.0		7,028.0			
		Casing Strings									
		Csg Des		Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)	
		Surface		1/25/2008		8 5/8	24.00	J-55	10	569	
		Production Casing		1/28/2008		4 1/2	11.60	M-80	10	7017	
		Cement									
		Des				Start Date		Top (ftKB)		Btm (ftKB)	
		SURFACE CASING CEMENT				1/25/2008		10.0		569.0	
		PRODUCTION CASING CEMENT				1/28/2008		2,220.0		7,017.0	
		Zone Statuses									
		Zone Name		Status Date	Status	Fluid Type	Job			Prod Method	
		NIOBRARA		3/7/2008	PR		DRILLING/COMPLETION - ORIGINAL, 1/24/2008...				
		CODELL		3/7/2008	PR		DRILLING/COMPLETION - ORIGINAL, 1/24/2008...				
		Perforation Data									
		Linked Zone		Explosive Type	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date	
		NIOBRARA, Original Hole		A	64	6,582.0		6,598.0		3/3/2008	
		NIOBRARA, Original Hole		B	64	6,659.0		6,675.0		3/3/2008	
		CODELL, Original Hole			56	6,850.0		6,864.0		2/6/2008	
		Stim/Frac Stage									
		Zone				Start Date		Top (ftKB)		Btm (ftKB)	
		NIOBRARA, Original Hole				3/3/2008		6,582.0		6,675.0	
		CODELL, Original Hole				3/3/2008		6,850.0		6,864.0	
		Other In Hole									
		Run Date	Des				Make	OD (in)	Top (ftKB)	Btm (ftKB)	
		Logs									
		Date		Type				Depth Top (MD) (ftKB)		Btm (ftKB)	
		1/28/2008		Caliper/Comp.Density/Neutron/GR/SP/ML				2,600		7,016.0	
		1/28/2008		DIL/GR/SP/Caliper				573		7,036.0	
		2/6/2008		CBL/CCL/GR				2,080		6,973.0	
		Wellbore Plug Back Total Depths									
		Date		Type		Com				PBTD (ftKB)	
		1/29/2008		LATCH DOWN COLLAR						7,000	

7.9

9.8

16.0

567.9

568.9

578.1

769.0

2,220.1

2,221.1

2,320.9

2,323.2

6,505.9

6,534.1

6,537.7

6,559.1

6,582.0

6,598.1

6,659.1

6,674.9

6,813.0

6,828.7

6,829.4

6,830.7

6,831.7

6,850.1

6,863.8

6,999.0

7,000.0

7,000.3

7,015.4

7,017.1

7,027.9

Surface Casing Cement,  
Casing, 1/25/2008 06:00; 10  
-569; 2008-01-25 06:00

Production Casing Cement,  
Casing, 1/28/2008 22:00;  
2220-7017; 2008-01-28  
22:00

6,582.0-6,598.0ftKB on  
3/3/2008 11:46 (Perforated);  
6582-6598; 2008-03-03  
11:46

6,659.0-6,675.0ftKB on  
3/3/2008 11:45 (Perforated);  
6659-6675; 2008-03-03  
11:45

6,850.0-6,864.0ftKB on  
2/6/2008 12:00 (Perforated);  
6850-6864; 2008-02-06  
12:00