



PA Wellbore For State - Vertical

Well Name: WELLS RANCH USX BB15-11

Original Hole [Land]		Well Header								
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512326560		Business Unit Rockies		Gov Auth Dist		Prod Tree Loc Land		
		Orig. KB to Gnd (ft) 13.00		Original Spud Date 3/9/2008		Abandon Date		Well Sub-Status PR		
		High...		N						
		Comment								
		Geologic Horizons								
		Formation Name FOXHILLS-BASE PROD						Final Top MD (ftKB) 253.1		
		Formation Name UPPER PIERRE AQUIFER-TOP PROD						Final Top MD (ftKB) 442.8		
		Formation Name UPPER PIERRE AQUIFER-BASE PROD						Final Top MD (ftKB) 1,478.7		
		Formation Name A SAND-TOP PROD						Final Top MD (ftKB) 2,284.9		
		Formation Name PIERRE						Final Top MD (ftKB) 2,613.0		
		Formation Name A SAND-BASE PROD						Final Top MD (ftKB) 2,875.4		
		Formation Name PARKMAN-TOP PROD						Final Top MD (ftKB) 3,433.5		
		Formation Name PARKMAN-BASE PROD						Final Top MD (ftKB) 3,806.5		
		Formation Name SUSSEX-TOP PROD						Final Top MD (ftKB) 3,919.1		
		Formation Name SUSSEX-BASE PROD						Final Top MD (ftKB) 4,320.3		
		Formation Name SHANNON-TOP PROD						Final Top MD (ftKB) 4,727.5		
		Formation Name SHANNON-BASE PROD						Final Top MD (ftKB) 4,926.4		
		Formation Name TEEPEE BUTTES						Final Top MD (ftKB) 5,605.0		
		Formation Name INTRA SHARON SPGS MK						Final Top MD (ftKB) 6,327.7		
		Formation Name NIOBRARA-TOP PROD						Final Top MD (ftKB) 6,362.0		
		Formation Name NIO A CHALK						Final Top MD (ftKB) 6,362.2		
		Formation Name NIO A MARL						Final Top MD (ftKB) 6,384.8		
		Formation Name NIO B CHALK						Final Top MD (ftKB) 6,438.0		
		Formation Name NIO B MARL						Final Top MD (ftKB) 6,471.9		
		Formation Name NIO C CHALK						Final Top MD (ftKB) 6,517.4		
		Formation Name NIO C MARL						Final Top MD (ftKB) 6,548.6		
		Formation Name NIO D CHALK						Final Top MD (ftKB) 6,581.2		
		Formation Name NIO FT HAYS						Final Top MD (ftKB) 6,605.6		
		Formation Name CODELL						Final Top MD (ftKB) 6,629.0		
		Formation Name CARLILE						Final Top MD (ftKB) 6,641.4		
		Formation Name GREENHORN						Final Top MD (ftKB) 6,707.0		
		Surface Location (Congressional)								
		Qtr 3 NE	Qtr 4 SW	Section 15	Twnshp 5	Twnsh... N	Range 63	Rng E/... W	Latitude (°) 40.39782306 9	Longitude (°) -104.425087687
		Wellbore Sections								
		Section Des		Hole Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)		
		SURFACE		12 1/4		13.0		485.0		
		PRODUCTION		7 7/8		485.0		6,800.0		
		Casing Strings								
		Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)	Set Depth (MD) (ftKB)		
		Surface	3/9/2008	8 5/8	24.00	J-55	13	475		
		Production Casing	3/12/2008	4 1/2	11.60	M-80	13	6791.4		
		Cement								
		Des		Start Date		Top (ftKB)		Btm (ftKB)		
		Surface Casing Cement		3/9/2008		13.0		475.0		

0.0

13.1

20.0

25.9

474.1

475.1

484.9

674.9

1,832.0

2,165.0

2,265.1

2,267.1

3,915.0

3,919.9

6,288.1

6,313.3

6,315.9

6,327.4

6,363.8

6,379.9

6,454.1

6,470.1

6,583.0

6,603.3

6,604.3

6,604.7

6,629.9

6,641.1

6,774.6

6,775.6

6,775.9

6,790.0

6,791.3

6,799.9

Surface Casing Cement,
Casing, 3/9/2008 22:15; 13-
475; 2008-03-09 22:15

2 in, Stage Tool, 8/11/2014
00:00; 3915-3920; 2014-08-
11

Production Casing Cement,
Casing, 3/12/2008 20:00;
1832-6791.4; 2008-03-12
20:00; SPORADIC BOND
THROUGHOUT

6,364.0-6,380.0ftKB on
4/22/2008 16:00
(Perforated); 6364-6380;
2008-04-22 16:00

6,454.0-6,470.0ftKB on
4/22/2008 16:00
(Perforated); 6454-6470;
2008-04-22 16:00

6,630.0-6,641.0ftKB on
4/16/2008 08:00
(Perforated); 6630-6641;
2008-04-16 08:00

Production Casing Cement,
Casing, 3/12/2008 20:00
(plug); 6776-6791.4; 2008-
03-12 20:00; SPORADIC
BOND THROUGHOUT



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