

Property Number: 733242

Wellname: STATE 2-16-1

Perforations



Role Production Engineer	Contact Name Kyle Taylor	Role Production Superintendent	Contact Name Brandon VanderVoort	Role Production Foreman	Contact Name BJ JACKSON					
API Number 0512331432	State COLORADO	County WELD	Well Config HORIZONTAL	Op Field Name WILDCAT	Ground Elevation (ft) 5,496.0	Original RKB (ft) 5,511.0	KB-Ground Distance (ft) 15.0	First Sales Gas	First Sales Oil 7/5/2011 12:00 AM	Orig Comp Dt Sc

HORIZONTAL - Lateral, 7/25/2014 8:53:14 AM											
Vertical schematic (actual)											
<div>Sidetrack - Lateral; 15.0; 15.0 Surface; 13 1/2; 15.0; 867.0</div> <div>Surface; 9 5/8 in; 36.00 lb/ft; 15.0-867.0 ftKB</div> <div>Intermediate; 8 3/4; 867.0; 7,952.0</div> <div>Intermediate; 7 in; 26.00 lb/ft; LTC; 15.0-7,952.0 ftKB</div> <div>Frac; Stims and Treats; 7,921.7; 8,215.5; 3/22/2011</div> <div>Frac; Stims and Treats; 8,215.5; 8,498.8; 3/22/2011</div> <div>Frac; Stims and Treats; 8,498.8; 8,743.0; 3/22/2011</div> <div>Frac; Stims and Treats; 8,743.0; 9,031.7; 3/22/2011</div> <div>Frac; Stims and Treats; 9,031.7; 9,324.7; 3/22/2011</div> <div>Frac; Stims and Treats; 9,324.7; 9,563.2; 3/22/2011</div> <div>Frac; Stims and Treats; 9,563.2; 9,806.9; 3/22/2011</div> <div>Frac; Stims and Treats; 9,806.9; 10,095.3; 3/22/2011</div> <div>Frac; Stims and Treats; 10,095.3; 10,469.8; 3/22/2011</div> <div>Production; 6 1/8; 7,952.0; 13,110.0</div> <div>Frac; Stims and Treats; 10,469.8; 10,757.8; 3/22/2011</div> <div>Frac; Stims and Treats; 10,757.8; 11,042.2; 3/22/2011</div> <div>Frac; Stims and Treats; 11,042.2; 11,330.0; 3/22/2011</div> <div>Frac; Stims and Treats; 11,330.0; 11,617.9; 3/22/2011</div> <div>Frac; Stims and Treats; 11,617.9; 11,903.0; 3/22/2011</div> <div>Frac; Stims and Treats; 11,903.0; 12,190.5; 3/22/2011</div> <div>Frac; Stims and Treats; 12,190.5; 12,476.3; 3/22/2011</div> <div>Frac; Stims and Treats; 12,476.3; 12,758.8; 3/22/2011</div> <div>Frac; Stims and Treats; 12,758.8; 13,022.0; 3/22/2011</div> <div>Production; 4 1/2 in; 11.60 lb/ft; P-110; 6,832.0-13,022.0 ftKB</div> <div>TD - Lateral; 13,110.0; 13,110.0</div> <div>Cement Squeeze; 782.0; 882.0</div> <div>870.0; 875.0; 7/8/2014 Cement Plug; 6,752.0; 6,832.0</div> <div>Cement Plug; 6,832.0; 6,922.0</div> <div>Cement Plug; 7,304.0; 7,504.0</div>											
Perforation Summary											
Date		7/8/2014		Top Depth (ftKB)		870.0		Stage Number		Zone	
Date		9/20/2013		Bottom Depth (ftKB)		7,965.0		Stage Number		Zone	
										NIOBRARA SHALE, Lateral	
Perforation Details											
870.0 - 875.0 ftKB, Lateral, <Zone/Formation?>											
Date		7/8/2014		Job		Abandon, 6/11/2014 2:24 AM		Stage Number		Top Depth (ftKB)	
										870.0	
Btm (ftKB)		875.0		Total Shots				Shot Dens (shots...)		Perforation Company	
										FWZ YL	
Reference Log		EHD (in)		Penetration (in)		Orientation		P Surf Init (psi)		P Final Surf (psi)	
										Fluid Density (lb/gal)	
										Fluid Type	
Conveyance Method		Gun Description		Gun Size (in)		Phasing (°)		Part Number		Charge Type	
										Carrier Make	
										Charge Size (g)	
Comment											
875.0 - 880.0 ftKB, Lateral, <Zone/Formation?>											
Date		9/20/2013		Job		Failure, 9/30/2012 12:00 AM		Stage Number		Top Depth (ftKB)	
										875.0	
Btm (ftKB)		880.0		Total Shots				Shot Dens (shots...)		Perforation Company	
										FWZ YL	
Reference Log		EHD (in)		Penetration (in)		Orientation		P Surf Init (psi)		P Final Surf (psi)	
										Fluid Density (lb/gal)	
										Fluid Type	
Conveyance Method		Gun Description		Gun Size (in)		Phasing (°)		Part Number		Charge Type	
										Carrier Make	
										Charge Size (g)	
Comment											
7,960.0 - 7,965.0 ftKB, Lateral, NIOBRARA SHALE											
Date		9/20/2013		Job		Failure, 9/30/2012 12:00 AM		Stage Number		Top Depth (ftKB)	
										7,960.0	
Btm (ftKB)		7,965.0		Total Shots				Shot Dens (shots...)		Perforation Company	
										FWZ YLN	
Reference Log		EHD (in)		Penetration (in)		Orientation		P Surf Init (psi)		P Final Surf (psi)	
										Fluid Density (lb/gal)	
										Fluid Type	
Conveyance Method		Gun Description		Gun Size (in)		Phasing (°)		Part Number		Charge Type	
										Carrier Make	
										Charge Size (g)	
Comment											