



Perforations

Well Name: SPIKE STATE GWS C24-02

API 05-123-15806	Surface Legal Location	Regulatory Field WATTENBERG	State/Province COLORADO
Well Configuration Type VERTICAL	Original KB Elevation (ft) 4,699	KB - GL / MSL (ftKB) 12.00	KB-Casing Flange Distance (ft) 12.00
KB-Tubing Head Distance (ft)			

2,500.00-2,500.00ftKB on 11/21/2017 00:00

Date 11/21/2017		Linked Zone		Top Depth (ftKB) 2,500.00		Bottom Depth (ftKB) 2,500.00	
Perforation Company		Conveyance Method		Gun Size (in)		Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type			Phasing (°) 60		
Orientation				Orientation Method			
Over/Under Balanced	Over/Under Pressure (psi)	Fluid Depth Before Shot (ftKB)		Fluid Depth After Shot (ftKB)		Initial Surface Pressure (psi)	Final Surface Pressure (psi)

Perforation Statuses

Date	Status	Com

6,768.00-6,781.00ftKB on 4/17/2006 00:00

Date 4/17/2006		Linked Zone CODELL, ORIGINAL HOLE		Top Depth (ftKB) 6,768.00		Bottom Depth (ftKB) 6,781.00	
Perforation Company		Conveyance Method		Gun Size (in)		Carrier Make	
Shot Density (shots/ft) 4.0		Charge Type			Phasing (°)		
Orientation				Orientation Method			
Over/Under Balanced		Over/Under Pressure (psi)		Fluid Depth Before Shot (ftKB)		Fluid Depth After Shot (ftKB)	
				Initial Surface Pressure (psi)		Final Surface Pressure (psi)	

Perforation Statuses

Date	Status	Com

6,769.00-6,779.00ftKB on 6/29/1992 00:00

Date 6/29/1992		Linked Zone CODELL, ORIGINAL HOLE		Top Depth (ftKB) 6,769.00		Bottom Depth (ftKB) 6,779.00	
Perforation Company		Conveyance Method		Gun Size (in)		Carrier Make	
Shot Density (shots/ft) 4.0			Charge Type			Phasing (°)	
Orientation				Orientation Method			
Over/Under Balanced		Over/Under Pressure (psi)		Fluid Depth Before Shot (ftKB)		Fluid Depth After Shot (ftKB)	
				Initial Surface Pressure (psi)		Final Surface Pressure (psi)	

Perforation Statuses

Date	Status	Com