

## WORKOVER PROCEDURE

<b>WELL NAME:</b>	Spike State GWS C24-06		<b>DATE:</b>	9/9/2016	
<b>LOCATION:</b>					
Qtr/Qtr:	SENW	Section:	24	Township:	4N
Footages:	1951	FNL	&	1943	FWL
<b>COUNTY:</b>	WELD		<b>STATE:</b>	CO	
<b>ENGINEER:</b>	AJ Paine		<b>7 Day Notice Sent:</b>		
	(Please notify Engineer of any major changes prior to work)		<b>Do not start operations until:</b>		
			<b>Notice Expires:</b>		
<b>OBJECTIVE:</b>	P&A				
<b>WELL DATA:</b>					
Surface Csg:	8 5/8", 24# @ 357'			KB Elevation:	4690'
Surface Cmt:	300 sx			GL Elevation:	4651'
Long St Csg:	2 7/8", 6.5#, J-55 @ 6936'			TD:	6936'
Long St Cmt:	270 sx			PBTD:	6901'
Long St Date:	7/12/1992				
Plug Back (Sand or CIBP):	Tubing tally				
Perforation Interval (1):	Codell Perforations: 6760' - 6770'				
Perforation Interval (2):					
Perforation Interval (3):					
Tubing:	1 1/2", 2.75#, J-55 @ 6735'			Rods:	
Pump:					
Misc.:	SN and notched collar @ EOT.				
<b>PRODUCTION STATUS:</b>	Shut-in.				
<b>COMMENTS:</b>					

### PROCEDURE:

- 1) Verify with AJ Paine that Form 17 has been completed and required samples have been gathered prior to RU.
  - a) Office: (720)587-2374
  - b) Cell: (406)671-4612
  - c) If Form 17 has not been completed, rig foreman to perform Form 17 and recover required samples;
  - d) Direct sample to Precision contact for analysis
- 2) MIRU workover rig, pump & tank.
- 3) POOH and laydown 1 1/2" tubing.
- 4) RU WL. RIH w/ CIBP and set @ 6710'.
- 5) RIH w/ workstring to pump 10 sx balance plug from 6710' - 6374' for Niobrara coverage.
- 6) Unland casing. Cut casing off @ 2500'. POOH and laydown 2 7/8" casing.
- 7) RIH w/ workstring to pump 100 sx stub plug from 2550' - 2450'. If maintain circulation, no need to tag plug.
- 8) POOH w/ workstring to 472'. Pump 175 sx shoe plug. Cement to surface.
- 9) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 10) Cut surface casing off 6'-8' below ground.
- 11) Clean up location. Reclaim location. RDMO.

**NOBLE ENERGY INC.**  
 Spike State GWS C24-06  
 SENW 24-4N-64W  
 1951 FNL & 1943 FWL  
 WELD COUNTY, CO  
 Wattenberg  
**CURRENT WELLBORE SCHEMATIC**  
 with PROPOSED P&A  
 9/9/2016

API: 05-123-15791

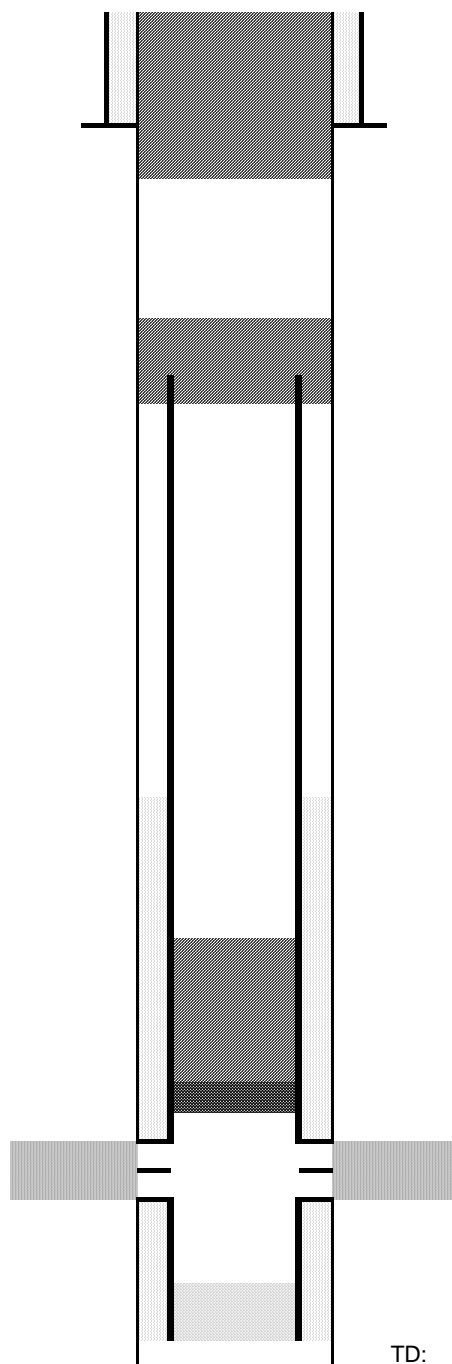
KB Elev: 4690'  
 GL Elev: 4651'

**Spud Date:** 7/7/1992

**Surface Casing :**  
 8 5/8", 24# @ 357'  
 Cement: 300 sx  
 TOC: Surface

**TOC @ 5826'**

**Production Casing :**  
 2 7/8", 6.5#, J-55 @ 6936'  
 Cement: 270 sx  
 Run Date: 7/12/1992



Cut surface casing off 6'-8' below surface.

Pump approx 175 sx shoe plug @ 472'  
 Will bring cement to surface.

Pump 100 sx stub plug where csg was pulled  
 Cut and pull csg @ 2500'

Pump 10 sx balance plug from 6710' - 6374' for Niobrara co  
 CIBP @ 6710'

Codell Perforations: 6760' - 6770'

TD: 6936'

verage