

WORKOVER PROCEDURE

WELL NAME:	Lilli Unit 08-09		DATE:	10/4/2016	
LOCATION:					
Qtr/Qtr:	SENE	Section:	9	Township:	8N
Footages:	1980' FNL	&	860' FEL	Range:	58W
COUNTY:	WELD	STATE:	CO	API #:	05-123-14018
ENGINEER:	Ben Zapp PE		7 Day Notice Sent:		
	(Please notify Engineer of any major changes prior to work)		Do not start operations until:		
			Notice Expires:		
OBJECTIVE:	P&A				
WELL DATA:					
Surface Csg:	8 5/8" 24# @ 211'			KB Elevation:	4,718
Surface Cmt:	130 sx			GL Elevation:	4,708
Long St Csg:	4 1/2" 10.5# @ 6,448'			TD:	6,450
Long St Cmt:	220 sx			PBTD:	6,450
Long St Date:	9/10/1988				
Plug Back (Sand or CIBP):	None				
Perforation Interval (1):	D Sand 6,285' - 6,293'				
Perforation Interval (2):					
Perforation Interval (3):					
Tubing:	2 3/8" @ 6,286'		Rods:	No	
Pump:	No				
Misc.:					
PRODUCTION STATUS:	TA @ 6,378'				
COMMENTS:	TOC of 4 1/2" is 5,678'. Nio top is 5,542'.				

PROCEDURE:

- 1) MIRU Workover rig, pump & tank. POOH w/ tbq and lay down.
- 2) RU WL. RIH w/ CIBP. Set CIBP @ 6,235', dump bail 2 sx of cement on top.
- 3) PU & RIH with perf gun, bottom squeeze hole @ 5512ft, top squeeze hole @ 5342ft. POOH with perf gun, verify shots fired. RD WL.
- 4) PU & RIH with cement retainer. Set retainer at 5412ft. Pump 45sxs through btm perf, sting out pump 15sxs. Note: TOC is ~5342ft. Top of Niobrara @ ~ 5542ft
- 5) RU WL. PU & RIH with perf gun, bottom squeeze hole @ 2500ft, top squeeze hole @ 2300ft. POOH with perf gun, verify shots fired. RD WL.
- 6) PU & RIH with cement retainer. Set retainer at 2400ft. Pump 50sxs through btm perf, sting out pump 15sxs. Note: TOC is ~2300ft.
- 7) RIH to 1000ft. Cut and pull casing.
- 8) RIH w/ workstring to 1000ft. Pump 490sxs. Bring cement to surface.
- 9) SI, WOC. Cut surface casing off 6'-8' below ground.
- 10) RDMO WO Rig. Clean up and reclaim location