

WELL NAME:	SHABLE #29-23					OPERATOR:	8 NORTH LLC	
FIELD:	GROVER					FORMATION:	J SAND	
SHL:	qtr-qtr	SWNW	Section	29	Township	11N	Range	61W
BHL:	qtr-qtr	SWNW	Section	29	Township	11N	Range	61W
COUNTY:	WELD		STATE:	CO		API:	05-123-30246	

not to scale	
GROUND LEVEL:	5111'
KELLY BUSHING:	5123'
SPUD DATE:	11/6/2009
TD DATE:	11/10/2009

8 5/8" csg @  
1064'

SURFACE CASING	
SIZE:	8 5/8"
WEIGHT:	24#
HOLE SIZE:	12 1/4"
HOLE DEPTH:	1064'
CSG DEPTH:	1064'
CEMENT:	380 SKS
TOC:	SURFACE

PRODUCTION CASING	
SIZE:	5 1/2"
WEIGHT:	17#
HOLE SIZE:	7 7/8"
TOTAL DEPTH TVD	N/A
TOTAL DEPTH MD	7790'
CSG DEPTH:	7790'
CEMENT:	905 SKS
TOC:	80'

FORMATION TOPS & PERFORATIONS	
J SAND MD	7588'
PERFORATIONS	7605' - 7640'

PRODUCTION TUBING	
SIZE:	2 7/8"
WEIGHT:	6.5#
DEPTH:	7717'
TUBING SET DATE:	7/7/2011

FRAC DATA  
FRAC'D JSND W/ 4,000# 40/70 MESH; 340,600# 20/40; & 20,000# 20/40 SB EXCELAND USING  
120,109 GAL 18# PHASER. PERF DETAIL: 7605 - 20' & 7634 - 7640'

EOT @ 7717'

Production Csg @ 7790'  
MD TD @ 7790'