

WELLBORE DIAGRAM

2/20/2014

ACTUAL

CLD

Mineral Resources, Inc

Clark #A1

NENE 20, T5N R65W

40.391385, -104.680559

Weld County, CO

05-123-22953

Notes:

G.L.= 4668

DEVIATED WELLBORE

K.B.= 4684

Vert Sec: 1919'

16

Max Angle: 50

8-5/8", Surf. CSG @ 456' (12-1/4" Hole)

Cmt'd w/ 275 sx

237 jnts 2-3/8" TBG Set @ 7723'

TOC=2,900'

NBRR-7244'

CODL-7732'

NBRR A	Perf'd	7,264'-7,270'	4 SPF	03/31/11	PR
NBRR B	Perf'd	7,460'-7,466'	4 SPF	03/31/11	PR
Frac'd 03/21/11 ISIP=3435, ISDP=3795, ATP=5303, ATR=57.2					
w/ 221,172 gal fluid (126,420 gal SLKW, 94,752 gal XLG)& 306,220# sand					
(251,000 20/40 & 55,220 40/70)					
CODL	Re-Perf'd	7740'-7750'	4SPF, 0.42"	03/30/11	PR
	Perf'd	7740'-7750'	4SPF, 0.42"	11/03/05	
Re-Frac'd 03/31/11 ISIP=2770, ISDP=3655, ATP=5301, ATR=50.9					
w/ 128,016 gal fluid and 251,820# 20/40 sand (32,197 gal SW, 95,819 gal xlink gel)					
Frac'd 10/05/05 ISIP=2898,					
w/ 120,750 GAL GEL, 240,700# 20/40 SAND AND 10,000# 20/40 RCS					
POBS left @ 7806'					
POBS LEFT @ 7908'					
4-1/2" 13.5# CSG set @ 7931' (7-7/8" Hole)					
Cmt'd w/ 660 sx					

PDTD= 7900

PBTVD= 7197

TD= 7950

TVD= 7230

* all measurements from KB (MD) unless otherwise indicated