

CWC PETRO LLC  
Current WBD  
Raven 3-9  
SENE 3-T3S-R46W  
1,980' FSL & 760' FEL  
Yuma County, Colorado  
API: 05-125-10831-00

GL Elevation: 4,056'  
KB Elevation: 4,061'

Pierre Shale: 85' 3,976'SS

TD 9-7/8" Hole: 285'

200' CBL TOC (08-16-07)

282' 7 jts, 7", 17#, J-55 STC Surface Casing  
M&P 75sx "Common" + 3% CaCl2 + 3% gel. 2.5 bbls cement to pit.

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Top Sharon Springs: 2,069' 1,992'SS

Top Niobrara: 2,177' 1,884'SS

PBTD: 2,332' 1,729'SS  
TD 6-1/4" Hole: 2,375' 1,686'SS

Tubing Detail as of 09/17/07				
		5.00'	KB Elevation	
3	5.00'	2,169.07'	67 jts 2-3/8", 4.7#, N-80, 8 rd Tubing	
2	2,174.07'	1.10'	2-3/8" Standard Seat Nipple	
1	2,175.17'	30.50'	2-3/8" Mud Anchor	
		2,205.67'	2,205.67'	67 jts End of Tubing

Niobrara 0.41" Perforations

2,183' 2,213' 30' 2 spf 60 shots

2,356' 58 jts 4-1/2", 10.5#, J-55 STC Production Casing  
M&P 10 bbls fresh water spacer, 90 sx Lite + 0.25 pps Flo-seal, y = 1.81 ft3/sk, 12.2 ppg Lead. 75 sx ASC + 2% gel, y = 1.57, 14.5 ppg Tail.  
Circulated no cement to pit. ETOC: 100'.