

Ensign Directional			Razor 27L-3401B		MD
Company: WHITING OIL AND GAS					5"-100'
Well Name: RAZOR 27L-3404B					
UWI or LSD: 05-123-37495					
Rig Id: CADE 21					
State: Colorado					
County/Parish: Weld					
Country: USA					
Survey Company: Ensign Directional					
Job number: 207-26					
DD1 Corey Neuroth					
DD2 Albert Gallegos					
LWD1 Brennen Kneer					
LWD2 Johnnie Kibel					
Log measurements: Gamma, ROP		Depth		Date	
Maximum temperature: 5000		Depth measured from: 5000		Start: 5000 ft	
				End: 6092 ft	
				8-14-2013	
Casing Depth		Size	Mud Type: Water	Elevations	
Surface: 1600		9 5/8	Density: 9.0 lb/gal	KB: 4742.9	
Intermediate:			Viscosity: 31 funnel/vs	GI: 4725.6	
			Rm:	Rmc:	
				DL: 4742.3	
Run Bit Size Gamma Survey		Start	End	Dates	
1 8.75		0.00	1600	8-11-2013	
2 8.75		0.00	1600	8-12-2013	
3 8.75		44.17	5000	8-14-2013	
4 8.75		44.17	5000	8-14-2013	
5					
6					
7					
8					
9					
10					

Ensign Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

