

ENSIGN										TVD	
ENERGY SERVICES INC.										5"-100'	
State Seventy Holes 34-31-6HNB											
Company: Bonanza Creek Energy Operating											
Well Name: State Seventy Holes 34-31-6HNB											
API: 05-123-37914-00											
Rig Id: Ensign 136											
State: Colorado											
County/Parish: Weld											
Country: USA											
Survey Company: Ensign Directional											
Job number: 378											
Company Man 1 Lonnie Mustard											
Directional Driller 1 Breven Williams											
Directional Driller 2 Joe Dupre											
MWD 1 Wade Eldridge											
MWD 2 Andrew Keohan											
Log measurements:											
Depth measured from: KB										Depth Date	
Maximum temperature: 219.2										Start: 5700 ft 09-18-2013	
										End: 10991 ft 09-23-2013	
Casing Depth Size				Mud Type:				Elevations			
Surface: 463 9.625				Density:				KB: 4543			
Intermediate: 6780 7				Viscosity:				GL: 4530			
				Rm:				Rmf:			
								Rmc:			
								DF: 4543			
Run Bit Size		Offsets		Start		End		Start		End	
1 13.5		0.00 0.00		0		482		09-04-2013		09-04-2013	
2 8.750		57.81 52.81		482		6797		09-18-2013		09/19/2013	
3 6.18		58.53 53.53		6797		10991		09-20-2013		09/23/2013	
4											
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.

