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| <div><div><div>ENSIGN</div><div>Directional</div></div><div>Crow Creek State AC36-78-HN</div><div>MD</div><div>1"-1.00"</div></div> | | | |
| Company: Ensign Energy, Inc | | | |
| Well Name: Crow Creek State AC36-78-HN | | | |
| UWI or ST: 05-23-2725 | | | |
| RMT or: Inverse 628 | | | |
| State: Inverse 628 | | | |
| County/Parish: Field | | | |
| Survey Company: USA, Directional | | | |
| Job Number: 1295.19 | | | |
| Company Man 1 Gary Stapperton | | | |
| Directional Officer 1 Tyler Blatchelder | | | |
| Directional Officer 2 Matt Mason | | | |
| MWD 1 Joel Alsie | | | |
| MWD 2 Andrew Keeshan | | | |
| Log Measurements: | | Depth | |
| Depth measured from: KB | | Start: 610 ft End: 10374 ft 10/6/2013 10/15/2013 | |
| Maximum temperature: | | Elevations | |
| Casing Depth | Size | Mud Type: | Density: KB: 4730 GR: 4730 |
| Surface: 600 | | | |
| Interval: 692 | 7 | Viscosity: 600 | GR: 4774 |
| Run Bit Size Gamma Survey | | | |
| 1 | 6000 | Start Depth | Start Date |
| 2 | 6125 | 65.40 | 10/12/2013 |
| 3 | 6125 | 65.40 | 10/12/2013 |
| 4 | 6125 | 65.40 | 10/13/2013 |
| 5 | 6125 | 65.40 | 10/13/2013 |
| 6 | 6125 | 65.40 | 10/13/2013 |
| 7 | 6125 | 65.40 | 10/13/2013 |
| 8 | 6125 | 65.40 | 10/13/2013 |
| 9 | 6125 | 65.40 | 10/13/2013 |
| 10 | 6125 | 65.40 | 10/13/2013 |

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.

