



| | | | |
|----------------|-----|----------------------|----------------|
| WATER GAS | WL | WELL LOG DESCRIPTION | |
| WIPER GAS | RM | MUD RESISTIVITY | HOLE S |
| CONNECTION GAS | RMF | FILTRATE RESISTIVITY | |
| WEIGHT ON BIT | LAT | LOGGED AFTER TRIP | 12X" AT 21" |

| PP SPM | PUMP PRESSURE STROKES/MIN | PR MUD TYPE | POOR RETURNS Gel-Water to 550' Polymer to TD | AT | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|------------------|--------------------------|------|-------------------------------------|-----------|--------------------------|-------|-------------------------------------|-----------|-------------------------------------|------------|-------------------------------------|-----------|-------------------------------------|--------------|-------------------------------------|-------------|
| <table border="0"> <tr> <td><input checked="" type="checkbox"/></td> <td>SAND / Sandstone</td> <td><input type="checkbox"/></td> <td>CLAY</td> <td><input checked="" type="checkbox"/></td> <td>LIMESTONE</td> </tr> <tr> <td><input type="checkbox"/></td> <td>SHALE</td> <td><input checked="" type="checkbox"/></td> <td>DIATOMITE</td> <td><input checked="" type="checkbox"/></td> <td>Z DOLOMITE</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>SILTSTONE</td> <td><input checked="" type="checkbox"/></td> <td>CONGLOMERATE</td> <td><input checked="" type="checkbox"/></td> <td>V VOLCANICS</td> </tr> </table> | | | | | <input checked="" type="checkbox"/> | SAND / Sandstone | <input type="checkbox"/> | CLAY | <input checked="" type="checkbox"/> | LIMESTONE | <input type="checkbox"/> | SHALE | <input checked="" type="checkbox"/> | DIATOMITE | <input checked="" type="checkbox"/> | Z DOLOMITE | <input checked="" type="checkbox"/> | SILTSTONE | <input checked="" type="checkbox"/> | CONGLOMERATE | <input checked="" type="checkbox"/> | V VOLCANICS |
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| <input type="checkbox"/> | SHALE | <input checked="" type="checkbox"/> | DIATOMITE | <input checked="" type="checkbox"/> | Z DOLOMITE | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | SILTSTONE | <input checked="" type="checkbox"/> | CONGLOMERATE | <input checked="" type="checkbox"/> | V VOLCANICS | | | | | | | | | | | | | | | | | |
| OIL: BASED ON LIVE OIL IN UNWASHED CUTTINGS AND PERCENT ST | | | | | | | | | | | | | | | | | | | | | | |
| PENETRATION | | ANALYSIS OF | | | | | | | | | | | | | | | | | | | | |
| D E P T H | L I T H O G Y | OIL | GAS — UNITS | | C | | | | | | | | | | | | | | | | | |
| | | TRACE STRONG SHOW | STRONG SHOW | DITCH — TOTAL GAS | | | | | | | | | | | | | | | | | | |
| | | CUTTINGS GAS | | | | | | | | | | | | | | | | | | | | |
| | | | | CALIBRATION | 100 units = 2% methane by volume | | | | | | | | | | | | | | | | | |
|  DRILL RATE (FT/HR) drilling data | | | | | | | | | | | | | | | | | | | | | | |

100
MW 8.5 VIS 39

