

**DRILLING FLUID SYNOPSIS**

**RICKS EXPLORATION**  
**Lancaster Springs # 4**  
**Section 5**  
**T-22-S**  
**R-28-E**  
**Eddy County, New Mexico**

**Recommended Casing**

13 3/8" at 700'  
9 5/8" at 2,600'  
TD at 11,500'

| DEPTH           | MUD WEIGHT   | VISCOSITY | FLUID LOSS | DRILL SOLIDS | COMMENTS                                          |
|-----------------|--------------|-----------|------------|--------------|---------------------------------------------------|
| 0'-700'         | 8.6 to 9.0   | 32 to 34  | No Control | <5%          | Spud Mud<br>Paper                                 |
| 700'-2,600'     | 8.4 to 8.5   | 28 to 29  | No Control | <1%          | Fresh Water,<br>Lime, Paper,<br>Star NP-110       |
| 2,600'-9,700'   | 8.4 to 10.0  | 28 to 29  | No Control | <1%          | Fresh/Cut Brine,<br>Caustic, Paper<br>Star NP-110 |
| 9,700'-10,500'  | 9.5 to 10.0  | 28 to 29  | <20cc      | <5%          | Brine, Caustic,<br>White Starch,<br>Star NP-110,  |
| 10,500'-11,500' | 10.0 to 10.5 | 36 to 45  | 15 to 8cc  | <5%          | Xanthan Gum,<br>White Starch,<br>Barite if needed |