



Carrizo Oil & Gas

Precision Directional Services Inc
27610 Commerce Oaks Drive
Oak Ridge North Texas 77385

DL1358

2":100' - TVD

11/17/2012 10:31:23 AM

Oper. Company: Precision Directional Services Inc

Country: USA

State / Province: CO

County / Parish: Weld

API/UWI: 05-123-33959-00

Field: NIOBRARA CONZ'83

Well: Ptasnik 30-44-9-59

Rig: Xtreme 19

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.



