



Precision Directional Services, Inc.

27610 Commerce Oaks Drive
Oak Ridge North, TX 77385

State 4-16-9-60

Scale 2":100' - MD

12/16/2013 3:30 PM

Oper. Company: Carrizo Oil & Gas, Inc.

Well: State 4-16-9-60

Field: Niobrara 83'

Rig: Xtreme 17

Well ID: 05-123-38452

Job Number: DL2004

Notes:

State: Colorado

County: Weld

Country: United States

Start Date: 12/09/2013 22:30:00

End Date:

Latitude: 40 44'38.840M

Longitude: 104 16.658W

Elev KB: 4949

Elev DF: 17

Elev GL: 4932

Notes:

Operator 1: Andrew Thomson

Notes:

Operator 2: Luis Suarez

Hole Data			Casing Data		
Size	From	To	Size	From	To
12 1/4	0.00	1456.00	9 5/8	0.00	1456.00
8 3/4	1456.00	6571.00	7	1456.00	6571.00
6 1/8	6571.00	10793.00	4 1/2	6571.00	10793.00

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.



















