

ENSGN

Wells Ranch AA1-646

2"-100'

Initial State

Company: Noble Energy

Well Name: Wells Ranch AA1-646

Rpt Id: H&P 326

State: Colorado

County/Parish: Weld

Country: USA

Survey Company: ENSIGN Directional

Job number: HP206-207-12

DD1: Zach Gentry

DD2: Tyler Beshler

DD3: Cody Hansen

MMQ1: Andrew Dertow

MMQ2: Derek Savitsky

MMQ3: Buster Sinder

Log measurements: Gamma ROP

Depth measured from: Maximum temperature:

Casing Depth

Size

Surface: 1830

9.5/8

Mud Type:

Density:

Viscosity:

Rmft:

Rmc:

Elevations

KB: 30

GI: 4885

DF: 4885

ENSGN 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.

Gamma

API

0.0

350.0

7500.0

350.0

700.0

7500.0

15000.0

TVD

ft

ROP

0

800.0

1600.0

0.0

800.0

700

(R) TVDR64.18 (Inet 1) Azm272.2 (4) TVDR64.15 (VS:0.29) NSG0.13) EWG:2.1

(R) MDY746.471 (Inet 2) Azm272.4 (1) VDD730.45 (VS:1.25) NSG0.19) EWG:1.241