

Chesapeake Operating Inc.

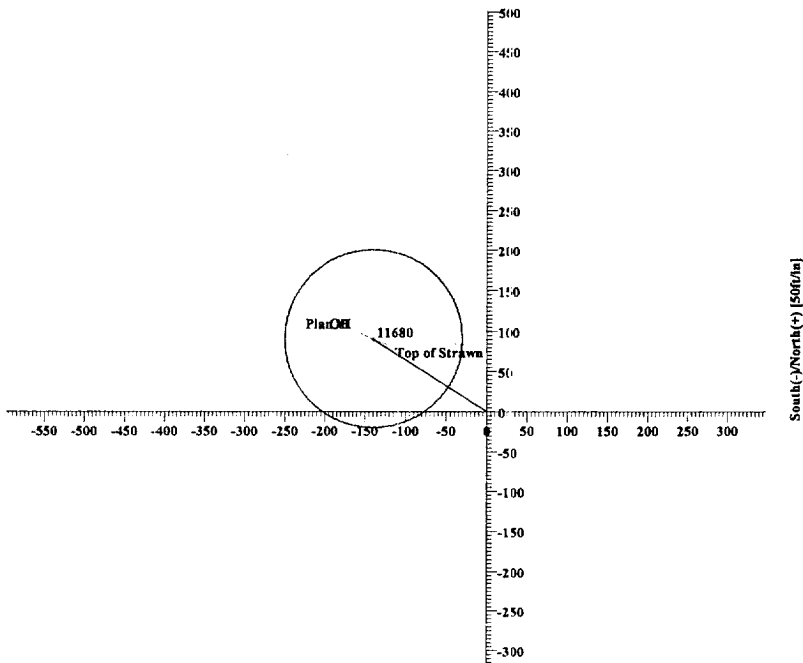
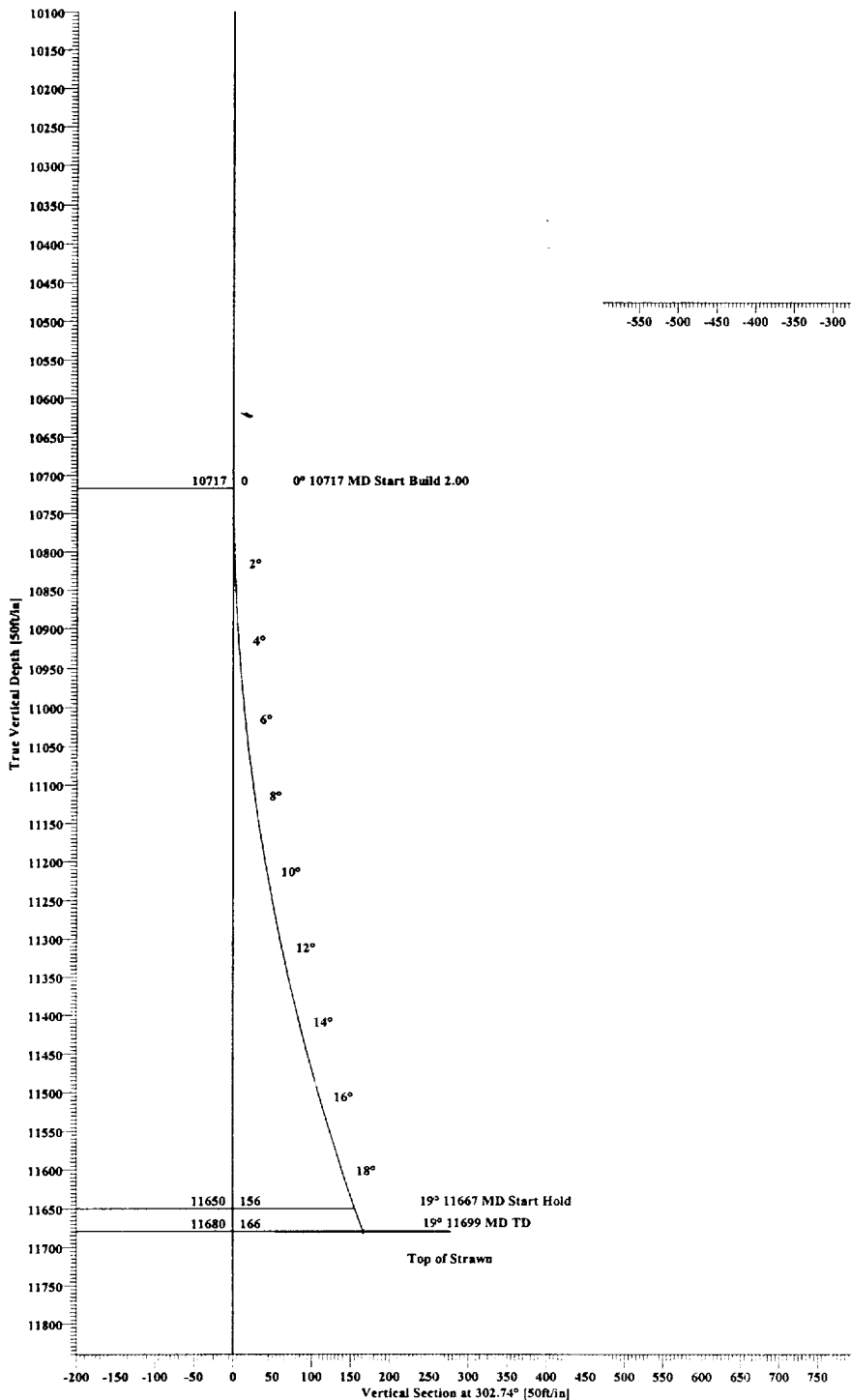
Midway 1-23



All Angles Relative
To Grid North
Grid North: 0.00
True North: 0.00
Magnetic North: 0.00



Ryan Energy Technologies USA Inc.



West(-)/East(+) [50ft/in]

FORMATION TOP DETAILS

No. TVDPath MDPath Formation
No formation top details fall on the wellpath.

FIELD DETAILS

Lea County
New Mexico
USA
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: Clarke - 1866
Zone: New Mexico, Eastern Zone
Magnetic Model: Igrf2000
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Midway
Lea County
Water Depth: 0.00
Positional Uncertainty: 0.00
Magnetic Declination: 0.00
Convergence: 0.00

WELLPATH DETAILS

OH
Original hole
Vertical Section Origin: Slot - (0.00,0.00)
Vertical Section Angle: 302.74°
Rig:
Depth Reference: SITE 3719.00R
Plan: Plan #1 (Midway 1-23/OH)

Created By: RyanUSA

Date: 8/22/2000