



Azimuths to True North
Magnetic North: 9.06°

Magnetic Field
Strength: 53428.1snT
Dip Angle: 67.36°
Date: 4/12/2010
Model: IGRF2010

Rubicon Oil & Gas

County: Weld County
Well: Pawnee 3-16-1
Wellbore: Single Lateral
Design: Plan 1
Rig: Ensign 14



SITE DETAILS

Legal Location: Sec. 16-T9N-R66W

Site Centre Latitude: 40° 44' 28.723 N
Longitude: 104° 47' 2.850 W

Ref. Datum: Est. RKB @ 5286.0ft (Ensign 14)
Positional Uncertainty: 0.0
Convergence: 0.46

PROJECT DETAILS

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level
Local North: True

CASING DETAILS

TVD	MD	Name	Size
7620.07891.5	7"	Intermediate	7"

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00		0.0	
2	7142.5	0.00	0.00	7142.5	0.0	0.0	0.00	0.00	0.0	
3	7892.5	90.00	341.76	7620.0	453.5	-149.5	12.00	341.76	477.5	
4	11663.6	90.00	341.76	7620.0	4035.0	-1330.0	0.00	0.00	4248.5	PBHL- Pawnee 3-16-1

