



Azimuths to True North  
Magnetic North: 4.63°

Magnetic Field  
Strength: 52276.1snT  
Dip Angle: 66.10°  
Date: 2/26/2014  
Model: IGRF2010\_14

To convert a Magnetic Direction to a Grid Direction, Add 4.58°  
To convert a True Direction to a Grid Direction, Subtract 0.05°

**Raymond Lease - Rice County, KS**  
**Raymond #1-H**  
**13' RKB - 1719' GL @ 1732.0usft (Sterling Drilling #4)**  
Longitude: 98° 25' 27.736 W  
Latitude: 38° 16' 30.433 N  
Northing: 1898024.71  
Easting: 1334044.22

**Design #2**

**WELL DETAILS:** Raymond #1-H

+N/-S	+E/-W	Northing	Ground Level:	1719.0	
0.0	0.0	1898024.71	Easting	1334044.2238°	16' 30.433 N
			Latitude		98° 25' 27.736 W
			Longitude		

**PROJECT DETAILS:** Raymond Lease

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Kansas Southern Zone  
System Datum: Mean Sea Level

