

PETROLEUM DEVELOPMENT CORP Weld County CO

Well Name: Wells Ranch 34F-212

Surface Location: **Wells Ranch NW-34 Pad Sec.34-T6N-R63W**

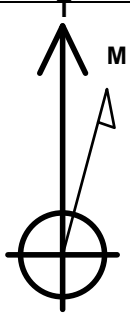
North American Datum 1983 , US State Plane 1983 Colorado Northern Zone

Ground Elevation: 4805.0

| | | | | | | |
|---------------------|-------|---------------------------------------|------------|-----------|-------------|------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 0.0 | 0.0 | 1407361.38 | 3297092.26 | 40.446700 | -104.432520 | |
| RKB Ensign 32 - 15' | | WELL @ 4820.0ft (RKB Ensign 32 - 15') | | | | |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|-------------------------|--------|-------|--------|------------|------------|-----------|-------------|---------|
| HARDLINE BHL 460'FEL | 1.0 | 500.0 | 4779.9 | 1407918.86 | 3301865.60 | 40.448071 | -104.415346 | Polygon |
| HARDLINE SHL 460'FWL | 1.0 | 500.0 | 410.0 | 1407866.26 | 3297496.19 | 40.448072 | -104.431047 | Polygon |
| SECTIONLINE 50'W OF SHL | 1.0 | 500.0 | -50.0 | 1407860.72 | 3297036.24 | 40.448072 | -104.432700 | Polygon |
| BHL 850'FNL & 500'FEL | 6680.0 | 441.3 | 4739.9 | 1407859.67 | 3301826.28 | 40.447910 | -104.415490 | Point |



Azimuths to True North
Magnetic North: 8.59°

Magnetic Field
Strength: 53110.7nT
Dip Angle: 67.12°
Date: 3/20/2012
Model: IGRF2010

ANNOTATIONS

| TVD | MD | Annotation |
|--------|--------|--------------|
| 500.0 | 500.0 | KOP #1 |
| 5890.3 | 5919.3 | KOP #2 |
| 6654.3 | 7114.4 | End of Build |

Wells Ranch NW-34 Pad Sec.34-T6N-R63W
Wells Ranch 34F-212
Plan #1 (3-20-12)
11:09, April 03 2012

