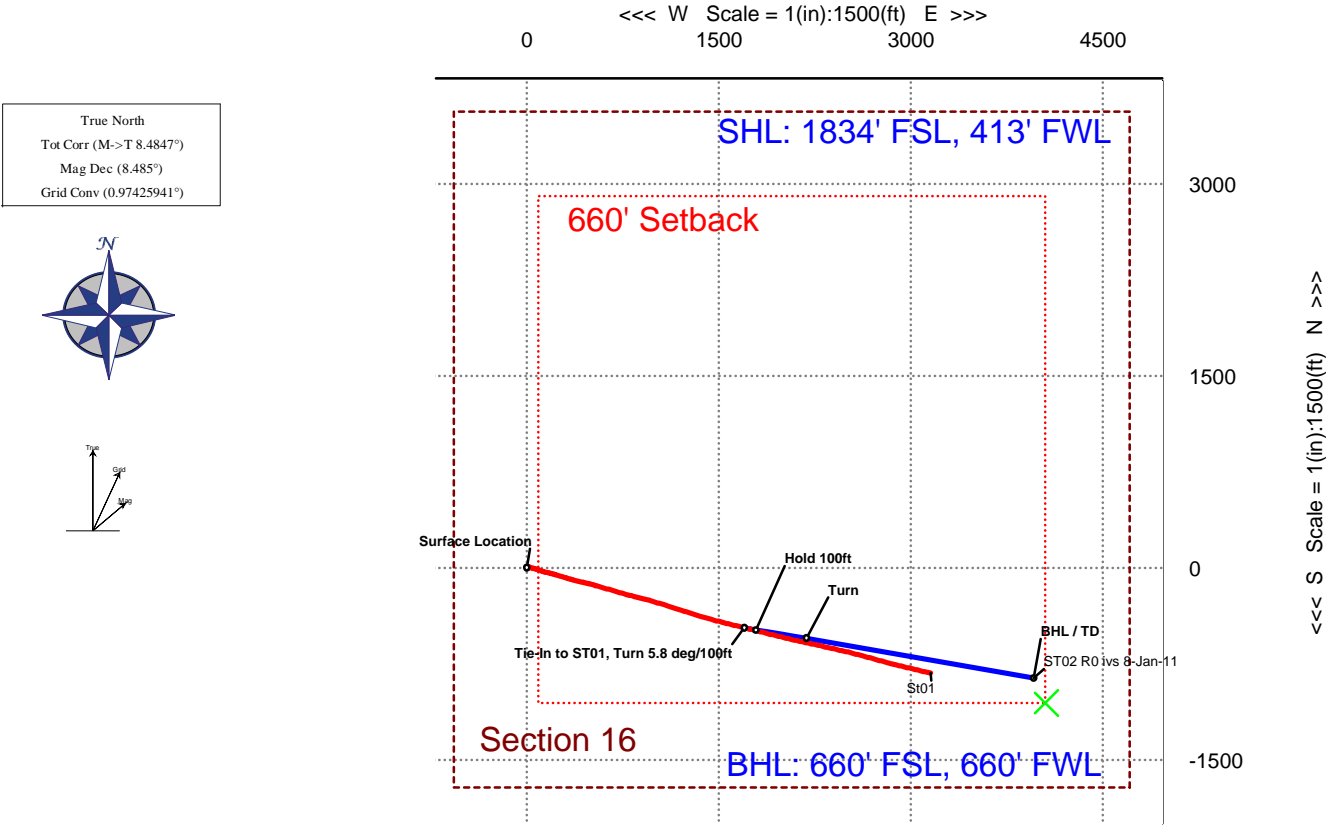


WELL Pawnee 16-13H			FIELD CO, Weld County			STRUCTURE 16-10N-59W		
Magnetic Parameters Model: BGGM 2010 Dip: 67.554° Mag Dec: 8.485°			Surface Location Lat: N 40 50 6.792 Lon: W 103 59 31.812 Northing: 1550666.16 RUS Easting: 3417230.03 RUS NAD83 Colorado State Plane, Northern Zone, US Feet Grid Conv: 0.97425941° Scale Fact: 1.00000883			Miscellaneous Slot: Pawnee 16-13H Plan: Pawnee 16-13H ST02 R0 TVD Ref: RKB(5129ft above MSL) Srvy Date: January 08, 2011		
Date: January 08, 2011 FS: 53462.2nT								



Critical Point	MD	INCL	AZIM	Critical Points		N(+) / S(-)	E(+) / W(-)	DLS
				TVD	VSEC			
Tie-In to ST01, Turn 5.8 deg/100ft	7896.00	89.79	103.79	6336.76	1765.66	-469.80	1702.09	
Hold	7987.25	89.60	98.50	6337.25	1856.69	-487.43	1791.59	5.80
Turn	8388.58	90.00	100.00	6339.00	2255.90	-550.65	2187.88	0.52
BHL / TD	10190.00	90.00	100.00	6339.00	4050.72	-863.46	3961.94	0.00

Target Description		Grid Coord		Local Coord	
Target Name	Shape	Major Axis	N(+) / S(-)	E(+) / W(-)	TVD
Pawnee 16-13H 660' Setback	Polyline	0.00	1549675.36	3421298.83	5129.00
Pawnee 16-13H Section Lines	Polyline	0.00	1549675.36	3421298.83	5129.00
Whiting Pawnee 16-13H PBHL/TD	Point	0.00	1549675.36	3421298.83	6316.50

Surface Location
Northing: 1550666.16 Easting: 3417230.03

Target Name	Shape	Major Axis	N(+) / S(-)	E(+) / W(-)	TVD	VSec	N(+) / S(-)	E(+) / W(-)
Pawnee 16-13H 660' Setback	Polyline	0.00	1549675.36	3421298.83	5129.00	4187.63	-1059.83	4051.34
Pawnee 16-13H Section Lines	Polyline	0.00	1549675.36	3421298.83	5129.00	4187.63	-1059.83	4051.34
Whiting Pawnee 16-13H PBHL/TD	Point	0.00	1549675.36	3421298.83	6316.50	4187.63	-1059.83	4051.34

Quality Control
Date Drawn: January 08, 2011 11:01:51 AM
Drawn by: LShevchenko
Checked by:
Client OK:

