

REFERENCE INFORMATION

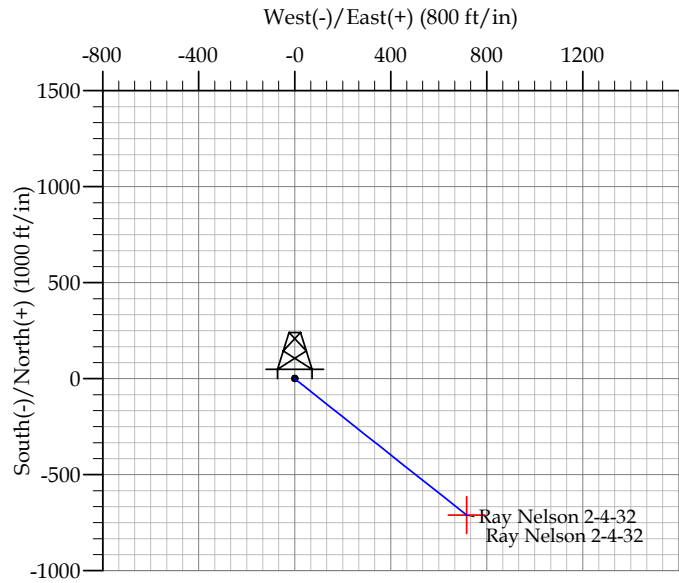
Co-ordinate (N/E) Reference: Well Ray Nelson 2-4-32, True North
Vertical (TVD) Reference: WELL @ 4961.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 4961.0ft (Original Well Elev)
Calculation Method:

WELL DETAILS: Ray Nelson 2-4-32

+N/-S	+E/-W	Northing	Ground Level:	4948.0		
0.0	0.0	1278589.01	Easting	3130236.25	40° 5' 49.848 N	105° 2' 4.056 W

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	0.00	0.0	
2	750.0	0.00	0.00	750.0	0.0	0.0	0.00	0.00	0.0	
3	1237.9	9.76	134.76	1235.6	-29.2	29.4	2.00	134.76	41.5	
4	6699.8	9.76	134.76	6618.4	-681.1	686.8	0.00	0.00	967.3	
5	7187.7	0.00	0.00	7104.0	-710.3	716.2	2.00	180.00	1008.7	
6	8287.7	0.00	0.00	8204.0	-710.3	716.2	0.00	0.00	1008.7	Ray Nelson 2-4-32



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4376.0	4424.5	Sussex
4881.0	4936.9	Shannon
7286.0	7369.7	Niobrara
7586.0	7669.7	Codell
8054.0	8137.7	J Sand
8101.0	8184.7	A Marker

CASING DETAILS

TVD	MD	Name	Size
700.0	700.0	Surface	8.625
8204.0	8287.7	Production	4.500