



Well Name: Wayne 22W-232
Surface Location: Wayne 5N64W22X 1-10 PAD
North American Datum 1983
US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4600.0
WELL @ 4623.0usft (Original Well Elev)
Northing 1383682.26 Easting 3270708.82 Latitude 40° 22' 57.136 N Longitude 104° 31' 41.673 W Slot

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0		
3	480.2	4.20	313.89	479.9	7.1	-7.4	1.50	313.89	-7.1		
4	5776.5	4.20	313.89	5762.0	276.2	-287.1	0.00	0.00	-276.7		
5	7018.6	90.29	87.00	6563.0	359.5	476.4	7.50	133.02	489.3	22W-232 LP 2143 FSL, 40 FEL, Sec 22	
6	9618.6	90.29	87.00	6549.8	495.5	3072.8	0.00	0.00	3089.0		
7	9965.2	90.29	92.20	6548.1	497.9	3419.3	1.50	89.97	3435.3		
8	14899.4	90.29	92.20	6523.0	308.6	8349.8	0.00	0.00	8355.5	22W-232 PBHL 2143 FSL, 2635 FEL, Sec 24	

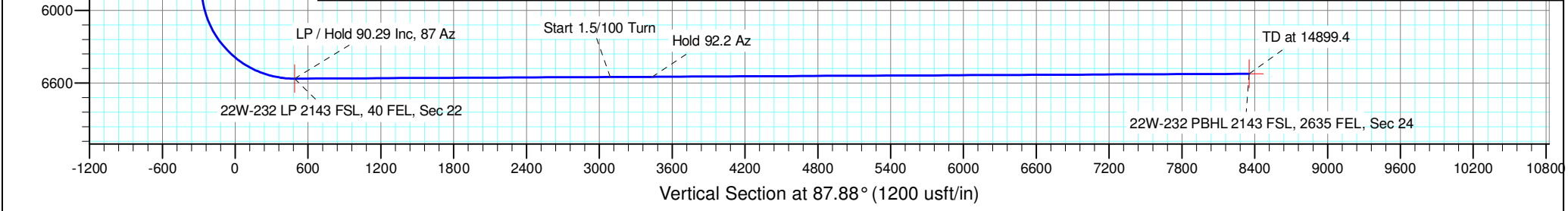
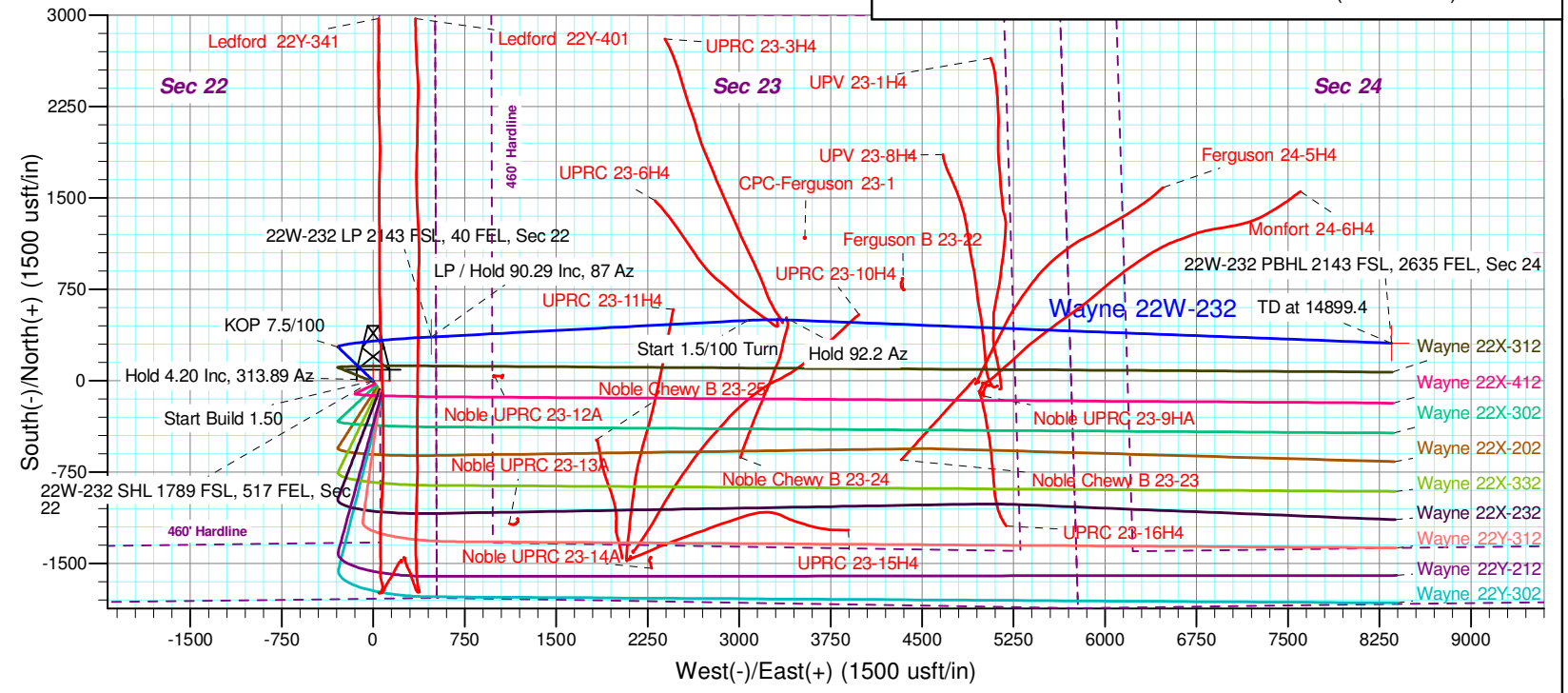
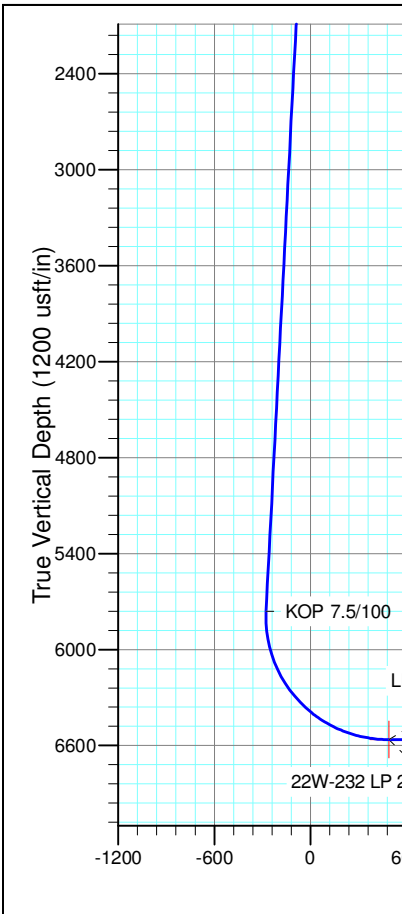
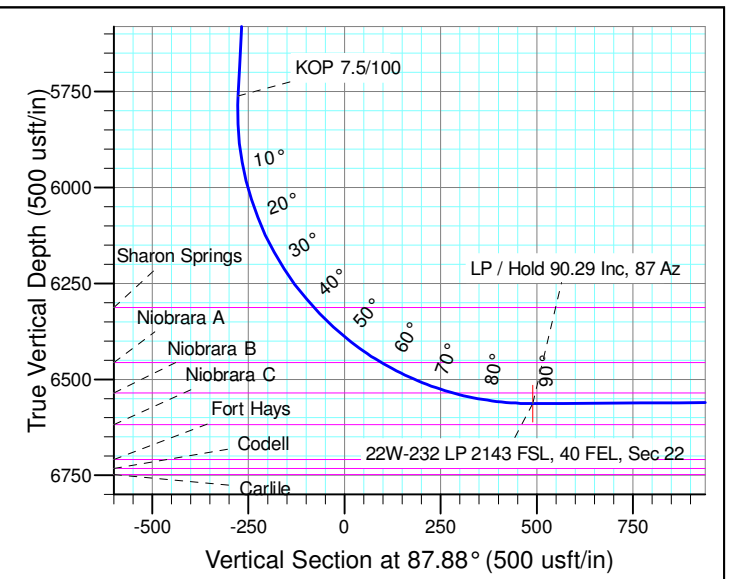
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Azimuths to True North
Magnetic North: 8.10°

Magnetic Field
Strength: 52423.8snT
Dip Angle: 66.88°
Date: 05/03/2017
Model: IGRF2015

Project: SEC. 22-T5N-R64W
Site: Wayne 5N64W22X 1-10 PAD
Well: Wayne 22W-232
Wellbore: Wellbore #1
Design: Design #1 03May17 jps



Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation	Warning
	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
Existing Wells Sec. 22-T5N-R64W						
Ledford 22Y-341 - Wellbore #1 - Wellbore #1	6,677.7	8,434.6	197.3	161.1	5.453	CC, ES, SF
Ledford 22Y-401 - Wellbore #1 - Wellbore #1	6,930.7	8,490.3	189.8	160.3	6.418	CC, ES, SF
Existing Wells Sec. 23-T5N-R64W						
CPC-Ferguson 23-1 - Wellbore #1 - Wellbore #1 01May1	10,060.0	6,490.1	685.5	547.0	4.947	CC
CPC-Ferguson 23-1 - Wellbore #1 - Wellbore #1 01May1	10,100.0	6,489.8	686.7	546.8	4.907	ES
CPC-Ferguson 23-1 - Wellbore #1 - Wellbore #1 01May1	10,200.0	6,488.8	699.7	556.3	4.881	SF
Ferguson 24-5H4 - Wellbore #1 - Wellbore #1 01May17 j	12,667.8	6,782.1	1,016.2	780.9	4.319	CC
Ferguson 24-5H4 - Wellbore #1 - Wellbore #1 01May17 j	12,700.0	6,797.0	1,016.6	779.2	4.282	ES
Ferguson 24-5H4 - Wellbore #1 - Wellbore #1 01May17 j	13,000.0	6,928.0	1,058.8	803.6	4.149	SF
Ferguson B 23-22 - Wellbore #1 - Wellbore #1 01May17	10,885.1	6,485.8	281.6	112.8	1.668	CC
Ferguson B 23-22 - Wellbore #1 - Wellbore #1 01May17	10,900.0	6,485.4	282.0	112.7	1.665	ES, SF
Monfort 24-6H4 - Wellbore #1 - Wellbore #1 01May17 jps	14,005.2	7,201.4	1,160.0	841.4	3.641	CC
Monfort 24-6H4 - Wellbore #1 - Wellbore #1 01May17 jps	14,100.0	7,235.5	1,163.5	840.0	3.596	ES
Monfort 24-6H4 - Wellbore #1 - Wellbore #1 01May17 jps	14,200.0	7,267.2	1,174.9	846.4	3.577	SF
Noble Chewy B 23-23 - Wellbore #1 - Wellbore #1	10,919.7	6,607.9	1,112.1	939.6	6.445	CC, ES
Noble Chewy B 23-23 - Wellbore #1 - Wellbore #1	11,200.0	6,606.5	1,146.9	964.7	6.296	SF
Noble Chewy B 23-24 - Wellbore #1 - Wellbore #1	9,498.8	6,695.1	1,120.4	993.1	8.799	CC
Noble Chewy B 23-24 - Wellbore #1 - Wellbore #1	9,500.0	6,695.1	1,120.4	993.0	8.796	ES
Noble Chewy B 23-24 - Wellbore #1 - Wellbore #1	9,900.0	6,689.0	1,180.2	1,040.1	8.422	SF
Noble Chewy B 23-25 - Wellbore #1 - Wellbore #1	8,330.6	6,626.7	920.6	833.5	10.567	CC, ES
Noble Chewy B 23-25 - Wellbore #1 - Wellbore #1	8,700.0	6,619.9	992.0	892.7	9.990	SF
Noble UPRC 23-12A - Wellbore #1 - Wellbore #1	7,516.6	6,540.6	343.1	286.5	6.057	CC, ES
Noble UPRC 23-12A - Wellbore #1 - Wellbore #1	7,600.0	6,540.9	353.1	293.9	5.965	SF
Noble UPRC 23-13A - Wellbore #1 - Wellbore #1	7,580.9	6,561.2	1,565.7	1,506.2	26.314	CC
Noble UPRC 23-13A - Wellbore #1 - Wellbore #1	7,600.0	6,560.6	1,565.8	1,505.7	26.060	ES
Noble UPRC 23-13A - Wellbore #1 - Wellbore #1	8,100.0	6,544.1	1,649.4	1,573.5	21.722	SF
Noble UPRC 23-14A - Wellbore #1 - Wellbore #1						Out of range
Noble UPRC 23-9HA - Wellbore #1 - Wellbore #1	11,575.7	6,503.0	563.8	371.6	2.933	CC
Noble UPRC 23-9HA - Wellbore #1 - Wellbore #1	11,600.0	6,503.0	564.4	371.3	2.923	ES, SF
UPRC 23-10H4 - Wellbore #1 - Wellbore #1	10,381.5	7,353.4	85.5	-64.2	0.571	Level 1, CC, ES, SF
UPRC 23-11H4 - Wellbore #1 - Wellbore #1 01May17 jps	8,954.3	7,198.9	135.7	40.6	1.427	Level 3, CC, ES, SF
UPRC 23-15H4 - Wellbore #1 - Wellbore #1						Out of range
UPRC 23-16H4 - Wellbore #1 - Wellbore #1	11,666.1	5,977.0	1,298.7	1,132.6	7.818	CC
UPRC 23-16H4 - Wellbore #1 - Wellbore #1	11,700.0	5,977.0	1,299.1	1,132.0	7.774	ES
UPRC 23-16H4 - Wellbore #1 - Wellbore #1	12,000.0	5,994.5	1,340.7	1,163.4	7.562	SF
UPRC 23-3H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
UPRC 23-6H4 - Wellbore #1 - Wellbore #1 01May17 jps	9,034.8	6,600.2	916.2	804.3	8.186	CC, ES
UPRC 23-6H4 - Wellbore #1 - Wellbore #1 01May17 jps	9,100.0	6,571.9	918.3	805.6	8.145	SF
UPV 23-1H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
UPV 23-8H4 - Wellbore #1 - Wellbore #1 01May17 jps	11,192.9	6,716.4	1,348.1	1,164.2	7.333	CC
UPV 23-8H4 - Wellbore #1 - Wellbore #1 01May17 jps	11,200.0	6,715.5	1,348.1	1,164.0	7.324	ES
UPV 23-8H4 - Wellbore #1 - Wellbore #1 01May17 jps	11,500.0	6,673.8	1,382.2	1,189.3	7.166	SF
Wayne 5N64W22X 1-10 PAD						
Wayne 22X-202 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	60.0	59.3	78.691	CC, ES
Wayne 22X-202 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,895.7	971.8	392.2	1.677	SF
Wayne 22X-232 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	90.0	89.3	118.036	CC, ES
Wayne 22X-232 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,946.0	1,447.4	868.8	2.502	SF
Wayne 22X-302 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	45.0	44.2	59.007	CC, ES
Wayne 22X-302 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,979.4	742.1	164.6	1.285	Level 3, SF
Wayne 22X-312 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	15.0	14.3	19.701	CC
Wayne 22X-312 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,965.5	248.0	-311.2	0.443	Level 1, ES, SF
Wayne 22X-332 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	75.0	74.2	98.352	CC, ES
Wayne 22X-332 - Wellbore #1 - Design #1 03May17 jps	14,899.4	15,027.0	1,220.9	641.9	2.109	SF
Wayne 22X-412 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	30.0	29.2	39.324	CC
Wayne 22X-412 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,913.0	520.4	-28.1	0.949	Level 1, ES, SF
Wayne 22Y-212 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	120.0	119.3	157.381	CC, ES
Wayne 22Y-212 - Wellbore #1 - Design #1 03May17 jps	1,200.0	1,151.1	273.8	267.1	41.131	SF
Wayne 22Y-302 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	135.0	134.2	177.004	CC, ES
Wayne 22Y-302 - Wellbore #1 - Design #1 03May17 jps	1,300.0	1,237.7	317.0	309.7	43.491	SF
Wayne 22Y-312 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	105.0	104.3	137.697	CC, ES
Wayne 22Y-312 - Wellbore #1 - Design #1 03May17 jps	14,899.4	14,874.3	1,682.3	1,107.1	2.925	SF