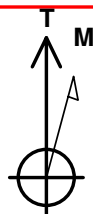
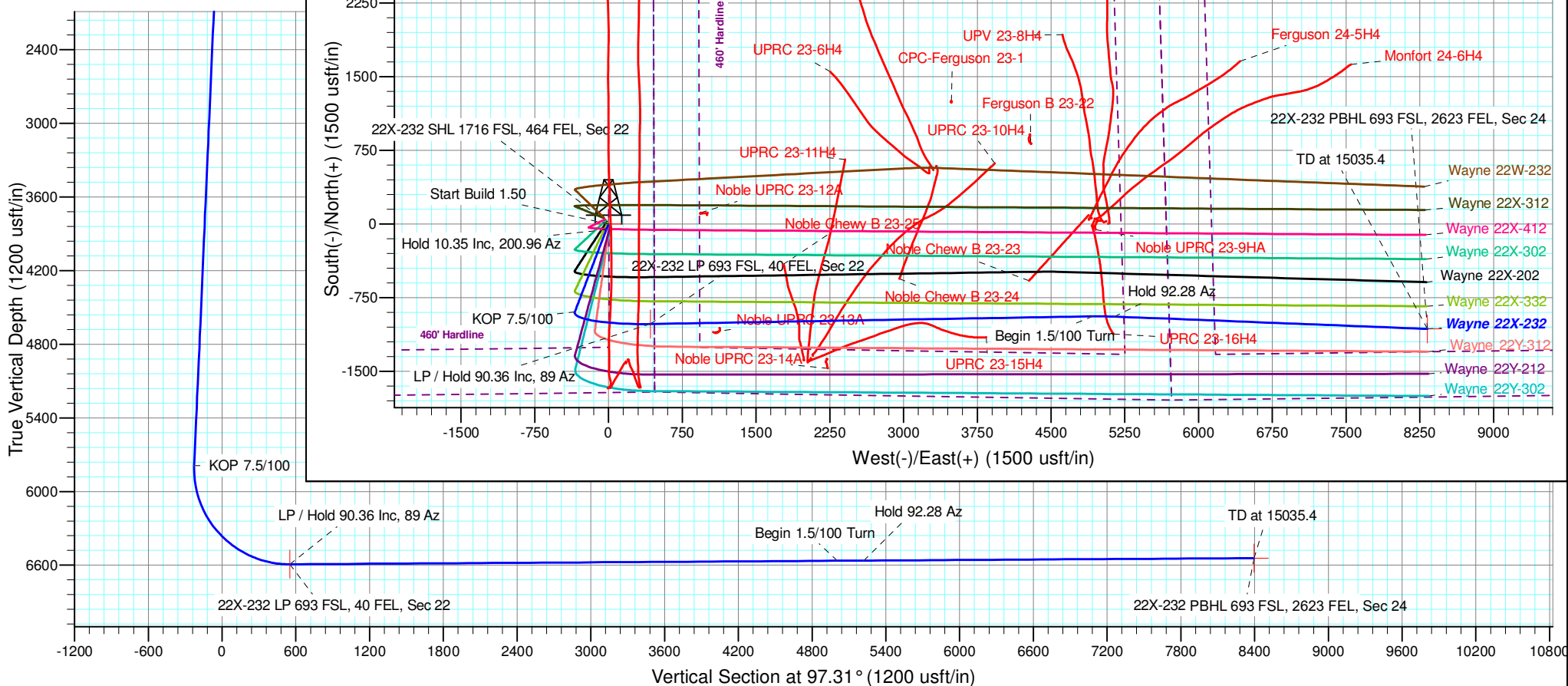
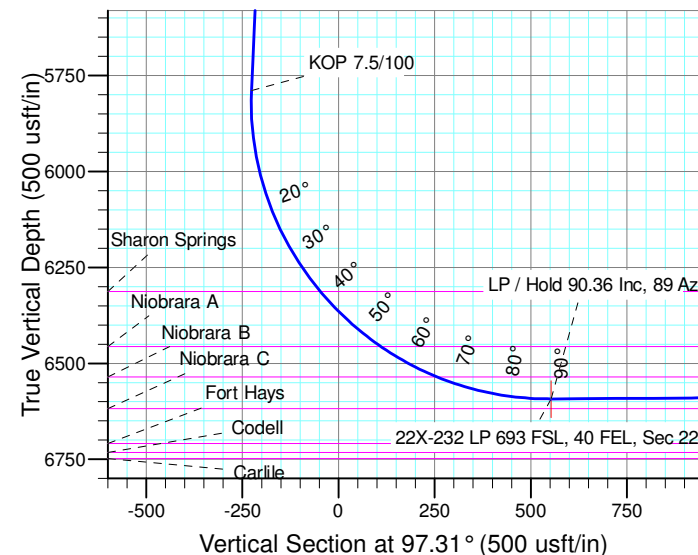


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	890.3	10.35	200.96	886.6	-58.1	-22.3	1.50	200.96	-14.7	
4	5874.2	10.35	200.96	5789.3	-894.6	-342.7	0.00	0.00	-226.0	
5	7130.4	90.36	89.00	6593.0	-1018.3	426.6	7.50	-111.57	552.7	22X-232 LP 693 FSL, 40 FEL, Sec 22
6	11630.4	90.36	89.00	6564.5	-939.8	4925.8	0.00	0.00	5005.4	
7	11848.8	90.36	92.28	6563.1	-942.2	5144.2	1.50	90.00	5222.3	
8	15035.4	90.36	92.28	6543.0	-1068.8	8328.2	0.00	0.00	8396.5	22X-232 PBHL 693 FSL, 2623 FEL, Sec 24



Magnetic Field
Strength: 52423.7nT
Dip Angle: 66.88°
Date: 05/03/2017
Model: IGRF2015

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



Summary

Site Name Offset Well - Wellbore - Design	Reference Measured	Offset Measured	Distance		Separation Factor	Warning
	Depth (usft)	Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
Existing Wells Sec. 22-T5N-R64W						
Ledford 22Y-341 - Wellbore #1 - Wellbore #1	6,780.5	7,000.9	176.9	150.4	6.678	CC, ES, SF
Ledford 22Y-401 - Wellbore #1 - Wellbore #1	7,000.0	7,007.6	138.7	117.2	6.455	SF
Ledford 22Y-401 - Wellbore #1 - Wellbore #1	7,020.9	7,008.4	136.8	115.7	6.472	CC, ES
Existing Wells Sec. 23-T5N-R64W						
CPC-Ferguson 23-1 - Wellbore #1 - Wellbore #1 01May1						Out of range
Ferguson 24-5H4 - Wellbore #1 - Wellbore #1 01May17 j						Out of range
Ferguson B 23-22 - Wellbore #1 - Wellbore #1 01May17						Out of range
Monfort 24-6H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
Noble Chewy B 23-23 - Wellbore #1 - Wellbore #1	10,987.7	6,633.3	373.4	201.7	2.175	CC
Noble Chewy B 23-23 - Wellbore #1 - Wellbore #1	11,000.0	6,633.2	373.6	201.5	2.171	ES, SF
Noble Chewy B 23-24 - Wellbore #1 - Wellbore #1	9,669.5	6,716.4	416.8	287.8	3.230	CC, ES
Noble Chewy B 23-24 - Wellbore #1 - Wellbore #1	9,700.0	6,715.9	417.9	287.9	3.213	SF
Noble Chewy B 23-25 - Wellbore #1 - Wellbore #1	8,494.6	6,665.0	575.2	486.5	6.482	CC
Noble Chewy B 23-25 - Wellbore #1 - Wellbore #1	8,500.0	6,665.0	575.3	486.3	6.469	ES
Noble Chewy B 23-25 - Wellbore #1 - Wellbore #1	8,600.0	6,665.0	584.8	492.6	6.342	SF
Noble UPRC 23-12A - Wellbore #1 - Wellbore #1	244.9	228.2	1,008.8	1,007.8	979.461	CC
Noble UPRC 23-12A - Wellbore #1 - Wellbore #1	300.0	283.4	1,009.0	1,007.7	758.480	ES
Noble UPRC 23-12A - Wellbore #1 - Wellbore #1	8,400.0	6,572.4	1,345.1	1,264.0	16.589	SF
Noble UPRC 23-13A - Wellbore #1 - Wellbore #1	7,768.5	6,564.9	94.9	33.2	1.538	CC, ES, SF
Noble UPRC 23-14A - Wellbore #1 - Wellbore #1	8,926.8	6,550.2	481.2	382.3	4.867	CC, ES
Noble UPRC 23-14A - Wellbore #1 - Wellbore #1	9,000.0	6,550.8	486.7	385.4	4.804	SF
Noble UPRC 23-9HA - Wellbore #1 - Wellbore #1	11,663.2	6,548.3	884.1	692.0	4.602	CC
Noble UPRC 23-9HA - Wellbore #1 - Wellbore #1	11,700.0	6,548.1	884.7	691.3	4.574	ES
Noble UPRC 23-9HA - Wellbore #1 - Wellbore #1	11,800.0	6,547.7	896.4	699.4	4.549	SF
UPRC 23-10H4 - Wellbore #1 - Wellbore #1	10,235.3	6,713.3	1,308.7	1,168.1	9.308	CC
UPRC 23-10H4 - Wellbore #1 - Wellbore #1	10,300.0	6,741.6	1,310.0	1,166.2	9.111	ES
UPRC 23-10H4 - Wellbore #1 - Wellbore #1	10,900.0	6,987.9	1,439.7	1,268.0	8.385	SF
UPRC 23-11H4 - Wellbore #1 - Wellbore #1 01May17 jps	8,986.3	6,354.7	1,112.1	1,023.5	12.557	CC
UPRC 23-11H4 - Wellbore #1 - Wellbore #1 01May17 jps	9,000.0	6,356.5	1,112.2	1,023.2	12.491	ES
UPRC 23-11H4 - Wellbore #1 - Wellbore #1 01May17 jps	9,500.0	6,422.0	1,223.2	1,116.4	11.459	SF
UPRC 23-15H4 - Wellbore #1 - Wellbore #1	10,410.3	7,065.1	192.5	36.1	1.231	Level 2, CC, ES, SF
UPRC 23-16H4 - Wellbore #1 - Wellbore #1	11,777.1	6,779.7	54.9	-128.2	0.300	Level 1, CC, ES, SF
UPRC 23-3H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
UPRC 23-6H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
UPV 23-1H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
UPV 23-8H4 - Wellbore #1 - Wellbore #1 01May17 jps						Out of range
Wayne 5N64W22X 1-10 PAD						
Wayne 22W-232 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	90.0	89.3	118.036	CC, ES
Wayne 22W-232 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,899.4	1,450.2	868.5	2.493	SF
Wayne 22X-202 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	30.0	29.2	39.345	CC
Wayne 22X-202 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,945.5	477.4	-106.2	0.818	Level 1, ES, SF
Wayne 22X-302 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	45.0	44.3	59.028	CC, ES
Wayne 22X-302 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,999.9	714.6	132.3	1.227	Level 2, SF
Wayne 22X-312 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	75.0	74.2	98.335	CC, ES
Wayne 22X-312 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,971.9	1,213.1	629.9	2.080	SF
Wayne 22X-332 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	15.0	14.2	19.683	CC
Wayne 22X-332 - Wellbore #1 - Design #1 03May17 jps	14,100.0	14,133.3	212.6	-282.1	0.430	Level 1, SF
Wayne 22X-332 - Wellbore #1 - Design #1 03May17 jps	15,035.4	15,061.2	242.3	-319.9	0.431	Level 1, ES
Wayne 22X-412 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	60.0	59.3	78.712	CC, ES
Wayne 22X-412 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,927.0	969.7	395.3	1.688	SF
Wayne 22Y-212 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	30.0	29.2	39.345	CC
Wayne 22Y-212 - Wellbore #1 - Design #1 03May17 jps	15,035.4	15,131.5	457.9	-126.7	0.783	Level 1, ES, SF
Wayne 22Y-302 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	45.0	44.2	58.968	CC
Wayne 22Y-302 - Wellbore #1 - Design #1 03May17 jps	400.0	398.5	45.5	43.7	25.933	ES
Wayne 22Y-302 - Wellbore #1 - Design #1 03May17 jps	15,035.4	15,223.9	685.4	103.3	1.177	Level 2, SF
Wayne 22Y-312 - Wellbore #1 - Design #1 03May17 jps	200.0	200.0	15.0	14.2	19.662	CC
Wayne 22Y-312 - Wellbore #1 - Design #1 03May17 jps	15,035.4	14,915.4	238.6	-323.1	0.425	Level 1, ES, SF