



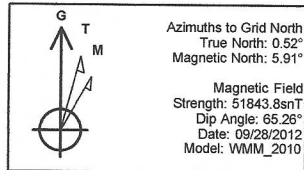
Company: Tug Hill Operating, LLC
 Site: Proctor
 Well: 1-25H
 Project: Comanche County, Kansas (NAD83)
 Rig Name: Patterson 421



Planning: 936.442.2510 Fax: 936.442.2515
 Operations: 936.442.2500 Fax: 936.442.2599

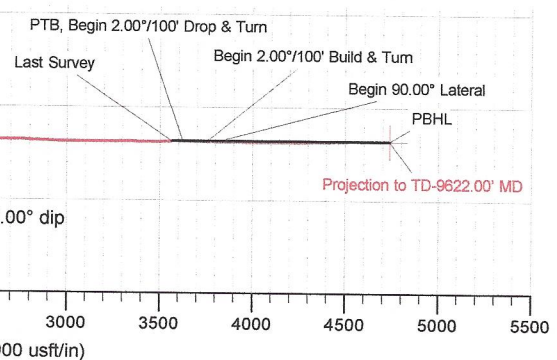
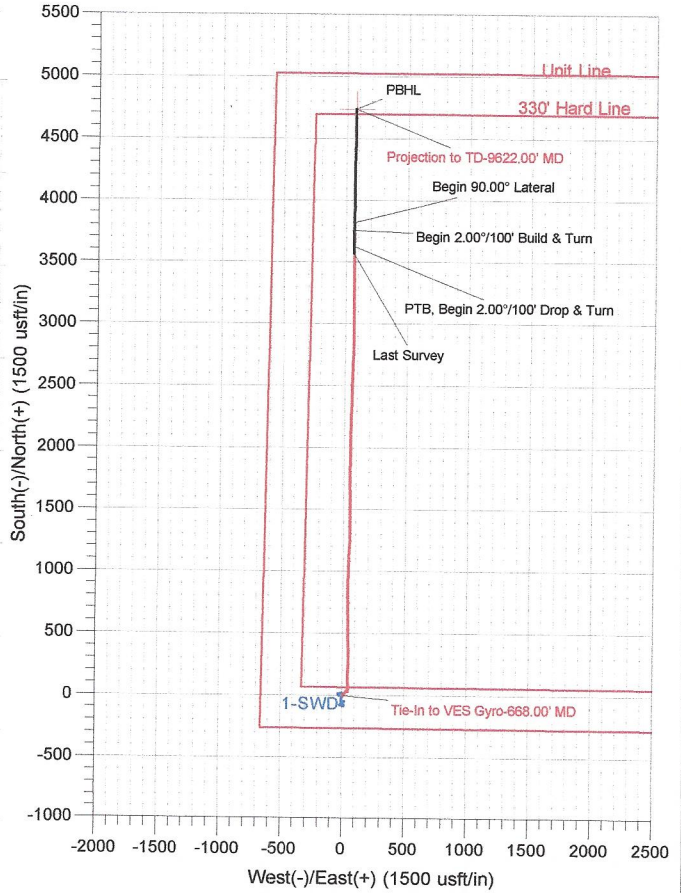
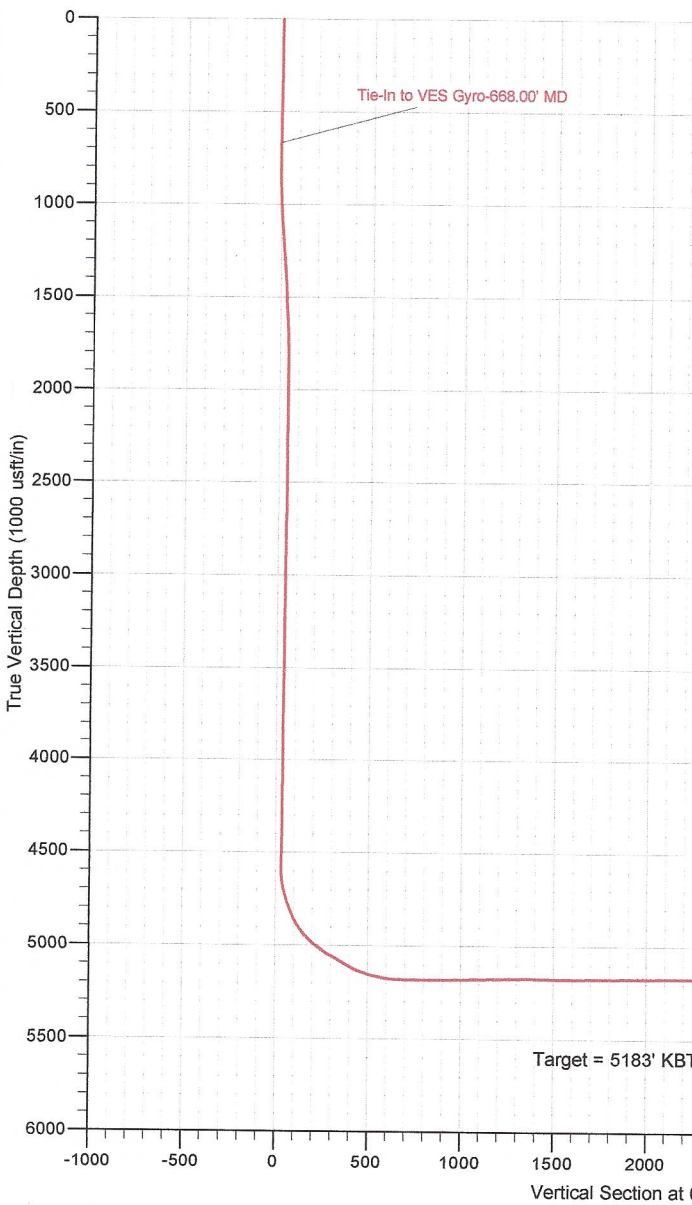
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
8448.00	91.30	359.80	5183.84	3561.91	64.52	3562.48	0.00	Last Survey
8509.00	91.30	359.80	5182.46	3622.89	64.30	3623.45	60.98	PTB, Begin 2.00°/100' Drop & Turn
8642.58	88.79	0.72	5182.35	3756.46	64.91	3757.02	194.56	Begin 2.00°/100' Build & Turn
8704.50	90.00	0.45	5183.00	3818.37	65.55	3818.93	256.47	Begin 90.00° Lateral
9622.20	90.00	0.45	5183.00	4736.05	72.76	4736.60	1174.17	PBHL



US State Plane 1983
 Kansas Southern Zone

Created By: Hunter Heseman
 Date: 9:48, October 15 2012
 Plan: Design #4



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