



Company: Merit Energy
 Well: Noffsinger 7
 Location: Weld County
 State: Colorado
 Rig: Unknown
 Correction:
 North: Referenced to True North

Subject: Prop Rev 0
 File Name: P06473r0.dwg
 Date: 10/17/2006
 Drawn By: Allen Slack
 Planning: (936) 442-2455
 Fax: (936) 441-6620
 Operations: (936) 441-6630
 Fax: (936) 539-1075



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.



Job Number: P06-473
 Company: Merit Energy
 Lease/Well: Noffsinger 7
 Location: Weld County
 Rig Name: Unknown
 RKB:
 G.L. or M.S.L.: 4753'

State/Country: Colorado
 Declination:
 Grid: Referenced to True North
 File name: F:\WELLPL-1\2006\IP06470\S\IP06473\06473.SVY
 Date/Time: 17-Oct-06 / 13:28
 Curve Name: Prop Rev 0

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 122.31
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
KOP, 2.00°/100' Build									
2852.45	.00	.00	2852.45	.00	.00	.00	.00	.00	.00
2952.45	2.00	122.31	2952.43	-.93	1.47	1.75	1.75	122.31	2.00
3052.45	4.00	122.31	3052.29	-3.73	5.90	6.98	6.98	122.31	2.00
3152.45	6.00	122.31	3151.91	-8.39	13.26	15.69	15.69	122.31	2.00
3252.45	8.00	122.31	3251.16	-14.90	23.56	27.88	27.88	122.31	2.00
3352.45	10.00	122.31	3349.92	-23.26	36.78	43.52	43.52	122.31	2.00
3452.45	12.00	122.31	3448.08	-33.46	52.91	62.60	62.60	122.31	2.00
3552.45	14.00	122.31	3545.51	-45.49	71.92	85.10	85.10	122.31	2.00
3652.45	16.00	122.31	3642.10	-59.32	93.79	110.98	110.98	122.31	2.00
3752.45	18.00	122.31	3737.72	-74.95	118.50	140.21	140.21	122.31	2.00
Begin 20.00° Tangent									
3852.45	20.00	122.31	3832.27	-92.35	146.01	172.77	172.77	122.31	2.00
Begin 1.00°/100' Drop									
4765.62	20.00	122.31	4690.37	-259.30	409.97	485.09	485.09	122.31	.00
4865.62	19.00	122.31	4784.63	-277.14	438.18	518.47	518.47	122.31	1.00
4965.62	18.00	122.31	4879.46	-294.10	465.00	550.20	550.20	122.31	1.00
5065.62	17.00	122.31	4974.83	-310.18	490.41	580.27	580.27	122.31	1.00
5165.62	16.00	122.31	5070.71	-325.36	514.42	608.67	608.67	122.31	1.00
5265.62	15.00	122.31	5167.08	-339.64	537.00	635.40	635.40	122.31	1.00
5365.62	14.00	122.31	5263.89	-353.03	558.16	660.43	660.43	122.31	1.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
5465.62	13.00	122.31	5361.13	-365.50	577.89	683.78	683.78	122.31	1.00
5565.62	12.00	122.31	5458.75	-377.07	596.18	705.42	705.42	122.31	1.00
5665.62	11.00	122.31	5556.75	-387.73	613.03	725.36	725.36	122.31	1.00
5765.62	10.00	122.31	5655.07	-397.47	628.43	743.58	743.58	122.31	1.00
5865.62	9.00	122.31	5753.70	-406.29	642.38	760.09	760.09	122.31	1.00
5965.62	8.00	122.31	5852.60	-414.19	654.87	774.87	774.87	122.31	1.00
6065.62	7.00	122.31	5951.74	-421.17	665.91	787.92	787.92	122.31	1.00
6165.62	6.00	122.31	6051.10	-427.22	675.47	799.24	799.24	122.31	1.00
6265.62	5.00	122.31	6150.63	-432.35	683.57	808.82	808.82	122.31	1.00
6365.62	4.00	122.31	6250.32	-436.54	690.20	816.67	816.67	122.31	1.00
6465.62	3.00	122.31	6350.14	-439.80	695.36	822.77	822.77	122.31	1.00
6565.62	2.00	122.31	6450.04	-442.13	699.05	827.14	827.14	122.31	1.00
6665.62	1.00	122.31	6550.01	-443.53	701.26	829.75	829.75	122.31	1.00
6765.62	.00	122.31	6650.00	-444.00	702.00	830.63	830.63	122.31	1.00
Begin Vertical Hold									
6765.62	.00	.00	6650.00	-444.00	702.00	830.63	830.63	122.31	1.41
Niobrara									
6915.62	.00	.00	6800.00	-444.00	702.00	830.63	830.63	122.31	.00
PBHL									
7415.62	.00	.00	7300.00	-444.00	702.00	830.63	830.63	122.31	.00