

c/SF

Job Number: WTX00000258
 Company: Yates Petroleum Corp.
 Lease/Well: Blinger AKU #4H
 Location: Eddy County
 Rig Name: UTI #168
 RKB: 14
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 10
 Grid:
 File name: C:\WINSERVE\BLINGER4H.SVY
 Date/Time: 16-Sep-06 / 06:56
 Curve Name: First Run

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
 Vertical Section Plane 184.33
 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
7600.00	1.52	279.58	7598.40	30.57	-57.80	-28.12	65.39	297.87	.00
7671.00	1.40	272.00	7669.38	30.76	-59.60	-28.17	67.06	297.30	.32
7676.00	1.60	242.30	7674.38	30.73	-59.72	-28.13	67.16	297.23	15.85
7681.00	1.80	225.00	7679.37	30.84	-59.84	-28.03	67.22	297.11	10.96
7686.00	2.50	214.50	7684.37	30.49	-59.95	-25.88	67.26	296.96	16.01
Last Gyro shot									
7691.00	3.30	211.90	7689.36	30.28	-60.09	-25.66	67.29	296.74	16.21
7696.00	4.00	210.76	7694.35	30.01	-60.26	-25.37	67.32	296.47	14.07
7701.00	4.70	209.62	7699.34	29.68	-60.45	-25.03	67.34	296.15	14.11
7706.00	6.40	208.48	7704.31	29.26	-60.68	-24.59	67.37	295.74	34.07
7711.00	7.20	207.34	7709.28	28.73	-60.96	-24.05	67.39	295.24	16.23
7716.00	9.10	206.20	7714.23	28.10	-61.28	-23.40	67.41	294.64	38.14
7721.00	11.10	205.06	7719.15	27.31	-61.65	-22.58	67.43	293.89	40.20
7726.00	13.20	203.92	7724.04	26.35	-62.09	-21.59	67.45	293.00	42.27
7731.00	15.70	202.80	7728.88	25.21	-62.58	-20.41	67.47	291.94	50.31
7736.00	18.00	202.80	7733.67	23.87	-63.14	-19.04	67.51	290.71	46.00
7741.00	20.40	203.50	7738.39	22.36	-63.79	-17.48	67.60	289.32	48.22
7746.00	23.00	203.10	7743.03	20.86	-64.52	-15.73	67.75	287.76	52.08
7751.00	25.30	202.60	7747.59	18.78	-65.32	-13.79	67.96	286.04	48.18
7756.00	28.10	201.60	7752.06	16.70	-66.16	-11.85	68.23	284.16	56.71
7761.00	31.20	201.70	7756.41	14.40	-67.07	-9.29	68.60	282.11	62.01

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7766.00	33.60	201.30	7760.62	11.90	-68.06	-6.72	69.09	279.92	52.18
7771.00	36.60	199.50	7764.71	9.20	-69.06	-3.96	69.67	277.56	59.72
7776.00	39.40	201.20	7768.65	6.31	-70.13	-1.00	70.42	275.14	59.78
7781.00	42.10	201.50	7772.43	3.27	-71.32	2.12	71.40	272.63	54.14
7786.00	45.00	201.80	7776.06	.07	-72.59	5.41	72.59	270.05	58.02
7791.00	48.00	201.70	7779.50	-3.30	-73.92	8.86	74.00	267.44	60.02
7796.00	51.10	201.60	7782.74	-6.84	-75.33	12.51	75.64	264.61	62.02
7801.00	53.90	201.00	7785.79	-10.54	-76.77	16.30	77.49	262.19	58.80
7806.00	56.70	200.60	7788.63	-14.36	-78.23	20.24	79.54	259.59	56.38
7811.00	59.60	199.70	7791.26	-18.37	-79.69	24.33	81.78	257.02	63.66
7816.00	62.40	198.20	7793.66	-22.51	-81.11	28.57	84.18	254.49	58.25
7821.00	65.00	197.40	7795.90	-26.78	-82.46	32.93	86.72	252.01	53.94
7826.00	67.70	196.00	7797.90	-31.16	-83.80	37.40	89.40	249.60	59.78
7831.00	70.60	195.00	7799.68	-35.66	-85.05	41.96	92.22	247.25	60.94
7836.00	73.10	193.90	7801.24	-40.27	-86.23	46.66	95.17	244.97	54.19
7841.00	75.90	192.90	7802.57	-44.95	-87.35	51.42	98.23	242.77	59.22
7846.00	78.60	192.10	7803.66	-49.71	-88.40	56.25	101.42	240.65	56.21
Last survey befor we layed down 3.5" motor									
7851.00	81.40	191.50	7804.55	-54.53	-89.41	61.13	104.73	238.62	57.23
7856.00	84.60	189.80	7805.15	-59.41	-90.33	66.06	108.11	236.67	72.35
7861.00	87.00	189.80	7805.52	-64.32	-91.17	71.02	111.56	234.80	48.00
7865.00	89.30	189.20	7805.65	-68.26	-91.83	75.00	114.43	233.37	59.42
7869.00	95.20	188.20	7804.39	-99.66	-96.67	106.67	136.98	224.07	18.70
7876.00	96.50	186.80	7801.23	-130.43	-100.69	137.66	164.78	217.67	6.15
7880.00	99.90	185.30	7796.67	-161.92	-104.03	169.31	192.46	212.72	11.59
7892.00	101.10	185.10	7790.84	-193.26	-106.69	200.77	220.84	208.95	3.80
8024.00	101.60	184.90	7784.54	-224.51	-109.62	232.15	249.84	206.02	1.68
8055.00	102.30	185.00	7776.12	-254.73	-112.24	262.47	278.36	203.78	2.28
8086.00	101.30	184.10	7771.78	-284.97	-114.64	292.82	307.17	201.91	4.30
8118.00	99.70	182.60	7765.95	-316.36	-116.54	324.27	337.16	200.22	6.40
8148.00	98.90	181.90	7761.62	-346.04	-117.75	353.94	365.52	198.79	9.79
8180.00	96.10	182.00	7758.00	-377.81	-118.83	385.71	396.06	197.46	2.52
8212.00	93.30	181.70	7755.38	-409.69	-119.86	417.57	426.86	196.31	6.80
8245.00	92.60	182.00	7753.66	-442.62	-120.93	450.49	456.65	195.28	2.31
8276.00	89.60	182.00	7753.08	-473.60	-122.01	481.46	489.06	194.45	9.68
8308.00	88.60	181.60	7753.59	-505.58	-123.01	513.42	520.33	193.68	3.37
8339.00	89.80	181.80	7754.02	-536.56	-123.93	544.38	550.69	193.01	3.92
8371.00	88.60	181.30	7754.47	-568.54	-124.80	576.34	582.08	192.36	4.06
8403.00	90.00	181.50	7754.86	-600.53	-125.58	608.30	613.52	191.81	4.42
8435.00	91.40	181.30	7754.47	-632.52	-126.36	640.25	645.02	191.30	4.42

Bottom
3 1/2"
Tubing

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
8487.00	91.80	180.20	7753.57	-884.50	-126.78	872.18	876.49	190.80	3.66
8498.00	91.90	179.90	7752.57	-895.49	-126.81	703.07	706.95	190.33	1.02
8530.00	92.30	178.10	7751.40	-727.46	-126.25	734.91	738.33	189.85	5.76
8562.00	92.60	177.00	7750.03	-759.40	-124.88	786.68	789.60	189.34	3.56
8593.00	91.70	177.00	7748.87	-790.33	-123.26	797.38	799.89	188.86	2.90
8625.00	91.00	176.60	7748.11	-822.27	-121.48	829.10	831.20	188.40	2.52
8687.00	90.80	175.70	7747.14	-884.13	-117.31	890.46	891.88	187.58	1.49
8719.00	90.40	175.00	7746.81	-916.02	-114.72	922.07	923.18	187.14	2.52
8750.00	90.70	174.90	7746.51	-946.90	-111.99	952.65	953.50	186.75	1.02
8782.00	90.50	174.60	7746.17	-978.76	-109.06	984.20	984.82	186.36	1.13
8813.00	91.20	174.70	7745.71	-1009.62	-106.17	1014.76	1015.19	186.00	2.28
8844.00	91.20	174.40	7745.08	-1040.48	-103.23	1045.30	1045.58	185.87	.97
8876.00	89.20	175.30	7744.95	-1072.34	-100.36	1076.86	1077.03	185.35	6.85
8907.00	88.70	176.10	7745.52	-1103.25	-98.03	1107.50	1107.60	185.08	3.04
8939.00	88.60	177.00	7746.27	-1135.18	-96.11	1139.20	1139.25	184.84	2.83
8971.00	89.50	176.60	7746.80	-1167.13	-94.32	1170.92	1170.94	184.62	3.08
9003.00	89.80	176.40	7747.00	-1199.07	-92.37	1202.62	1202.62	184.41	1.13
9035.00	90.90	176.40	7746.80	-1231.01	-90.36	1234.31	1234.32	184.20	3.44
Last survey									
9067.00	91.00	176.90	7746.27	-1262.95	-86.49	1266.02	1266.04	184.01	1.59
--Projection to Bit--									
9104.00	91.12	177.48	7745.59	-1299.90	-86.68	1302.73	1302.78	183.81	1.59