

**INTREPID**  
Directional Drilling Specialists

JUN 07 2006

Railroad Commission of Texas  
Oil and Gas Division  
PO Box 12967  
Capitol Station  
Austin, TX 78711

Attention: Cathy Garrison

Re Momentum energy  
University 22 # 1  
Andrews CO. TX  
API # 42-003-391176

Enclosed, please find the original and one copy of the survey performed on the referenced well by INTREPID MWD TECH., a division of INTREPID DIRECTIONAL DRILLING SPECIALISTS. Other information required by your office is as follows:

<u>Name &amp; Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Mike Ledbetter MWD Engineer	#1	7413'-12849'	4-14-06, 5-19-06	WD/D&I/Gamma

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,



Well Planner  
John Willis

Enclosures: 2

# Survey Report

Report Date: May 22, 2006	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Momentum Energy Corporation	Vertical Section Azimuth: 331.000°
Field: Andrews County, TX	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: University 22 #1 / University 22 #1	TVD Reference Datum: RKB
Well: University 22 #1	TVD Reference Elevation: 0.0 ft relative to
Borehole: University 22 #1	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 7.654°
Survey Name / Date: University 22 #1-5_surveys / March 1, 2006	Total Field Strength: 49473.543 nT
Tort / AHD / DDI / ERD ratio: 84.287° / 1151.10 ft / 4.874 / 0.091	Magnetic Dip: 60.767°
Grid Coordinate System: NAD27 Texas State Planes, North Central Zone, US Feet	Declination Date: March 01, 2006
Location Lat/Long: N 32 27 41.574, W 102 20 55.023	Magnetic Declination Model: IGRF 2005
Location Grid N/E Y/D: N 323885.500 ftUS, E 505038.700 ftUS	North Reference: Grid North
Grid Convergence Angle: -2.64440890°	Total Corr Mag North -> Grid North: +10.298°
Grid Scale Factor: 0.99992528	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	7400.00	0.55	104.40	7399.79	28.05	33.85	3.21	34.01	5.42	0.00	24.40M
	7413.00	0.20	24.40	7412.79	28.02	33.88	3.28	34.02	5.54	4.24	-28.30M
	7463.00	3.70	333.70	7462.75	29.69	35.39	2.60	35.48	4.21	7.15	-27.90M
	7494.00	4.80	332.10	7493.67	31.98	37.43	1.55	37.46	2.38	3.57	-28.10M
	7525.00	4.80	331.90	7524.56	34.58	39.72	0.34	39.72	0.49	0.05	-30.10M
	7557.00	4.70	329.80	7556.45	37.23	42.03	-0.95	42.05	358.70	0.60	-30.00M
	7582.00	4.50	330.00	7581.37	39.23	43.77	-1.96	43.81	357.44	0.80	-27.40M
	7619.00	4.40	332.60	7618.25	42.10	46.29	-3.33	46.41	355.88	0.81	-27.90M
	7650.00	4.10	332.10	7649.17	44.40	48.32	-4.40	48.52	354.80	0.98	-29.50M
	7681.00	4.50	330.50	7680.08	46.72	50.36	-5.52	50.66	353.75	1.35	-29.40M
	7712.00	4.60	330.60	7710.88	49.18	52.50	-6.73	52.83	352.70	0.32	-29.30M
	7743.00	5.10	330.70	7741.87	51.80	54.79	-8.01	55.37	351.68	1.61	-5.47G
	7774.00	6.10	329.80	7772.72	54.83	57.41	-9.51	58.19	350.59	3.24	17.35G
	7806.00	6.70	331.40	7804.53	58.39	60.52	-11.28	61.56	349.46	1.96	-13.49G
	7838.00	7.40	330.10	7836.28	62.32	63.95	-13.18	65.29	348.35	2.24	-7.83G
	7869.00	7.90	329.60	7867.01	66.45	67.51	-15.26	69.22	347.27	1.63	1.41G
	7899.00	8.50	329.70	7896.70	70.72	71.21	-17.42	73.31	346.25	2.00	8.60G
	7930.00	8.70	329.90	7927.35	75.38	75.21	-19.75	77.76	345.29	0.85	-16.09G
	7962.00	9.20	329.00	7958.96	80.33	79.50	-22.28	82.56	344.34	1.62	-11.44G
	7993.00	9.70	328.40	7989.54	85.42	83.85	-24.93	87.47	343.44	1.64	-13.94G
	8024.00	10.20	327.70	8020.07	90.77	88.39	-27.76	92.65	342.56	1.66	18.53G
	8055.00	11.00	329.10	8050.55	96.46	93.25	-30.75	98.19	341.75	2.71	15.03G
	8086.00	11.60	329.90	8080.94	102.54	98.48	-33.83	104.13	341.04	2.00	24.85G
	8117.00	12.10	331.00	8111.28	108.90	104.02	-36.97	110.40	340.44	1.77	15.16G
	8148.00	12.50	331.50	8142.55	115.72	110.00	-40.25	117.13	339.80	1.29	19.84G
	8179.00	13.00	332.30	8171.81	122.34	115.84	-43.36	123.69	339.48	1.77	0.00G
	8210.00	13.00	332.30	8202.01	129.31	122.01	-46.81	130.61	339.09	0.00	-24.55G
	8241.00	13.90	330.60	8232.16	136.52	128.35	-50.05	137.76	338.69	3.17	20.36G
	8272.00	14.30	331.20	8262.23	144.07	134.94	-53.73	145.25	338.29	1.37	10.48G
	8304.00	15.00	331.70	8283.19	152.17	142.05	-57.59	153.29	337.83	2.22	-12.04G
	8335.00	15.90	331.00	8323.07	160.42	149.30	-61.55	161.49	337.59	2.96	-124.26G
	8366.00	15.70	329.90	8352.90	168.86	158.64	-65.72	169.87	337.24	1.16	-175.04G
	8398.00	15.10	329.70	8383.75	177.36	163.99	-69.99	178.30	336.89	1.88	177.97G
	8429.00	14.40	329.80	8413.73	185.25	170.81	-73.97	188.13	336.59	2.26	-45.14G
	8461.00	14.50	329.40	8444.72	193.23	177.69	-78.01	194.06	336.30	0.44	7.52G
	8492.00	15.30	329.80	8474.67	201.20	184.57	-82.04	201.98	336.03	2.60	11.15G
	8524.00	16.00	330.30	8505.49	209.83	192.05	-86.35	210.57	335.79	2.23	164.77G
	8555.00	15.80	330.50	8535.30	218.32	199.43	-90.54	219.02	335.58	0.87	165.23G
	8586.00	15.30	331.00	8565.17	226.63	206.68	-94.61	227.31	335.40	1.67	180.00G
	8617.00	14.80	331.00	8595.10	234.68	213.72	-98.51	235.33	335.25	1.61	3.75G

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	8848.00	15.20	331.10	8825.05	242.71	220.74	-102.39	243.33	335.12	1.29	-25.26G
	8879.00	15.90	329.90	8854.91	251.02	227.98	-108.49	251.62	334.96	2.48	-68.42G
	8711.00	16.00	329.00	8685.68	259.81	235.55	-110.95	260.37	334.78	0.83	-5.35G
	8742.00	16.30	328.90	8715.46	268.42	242.94	-115.40	268.95	334.59	0.97	48.58G
	8774.00	16.40	329.30	8748.16	277.43	250.66	-120.03	277.92	334.41	0.47	140.19G
	8805.00	16.20	329.90	8775.92	286.13	258.17	-124.43	286.59	334.27	0.84	0.00G
	8836.00	16.30	329.90	8805.68	294.80	265.67	-128.78	295.24	334.14	0.32	180.00G
	8867.00	16.20	329.90	8835.44	303.47	273.18	-133.13	303.89	334.02	0.32	180.00G
	8899.00	16.00	329.90	8868.18	312.34	280.88	-137.58	312.74	333.90	0.63	44.48G
	8930.00	16.20	330.60	8895.97	320.94	288.32	-141.85	321.32	333.80	0.80	164.50G
	8961.00	16.10	330.70	8925.74	329.56	295.84	-146.07	329.93	333.72	0.33	-90.00G
	8993.00	16.10	330.10	8956.49	338.44	303.55	-150.46	338.79	333.63	0.52	-151.15G
	9025.00	16.00	329.90	8987.24	347.28	311.21	-154.88	347.62	333.54	0.36	172.25G
	9056.00	15.80	330.00	9017.06	355.77	318.56	-159.13	356.10	333.46	0.65	-164.89G
	9088.00	15.70	329.90	9047.85	364.46	326.08	-163.48	364.77	333.37	0.32	-165.14G
	9119.00	15.40	329.60	9077.72	372.77	333.26	-167.67	373.06	333.29	1.00	-90.00G
	9161.00	15.40	329.10	9108.57	381.26	340.57	-172.00	381.54	333.20	0.41	152.20G
	9212.00	15.30	329.30	9167.39	397.40	354.44	-180.27	397.65	333.04	0.19	-7.61G
	9244.00	15.50	329.20	9198.25	405.89	361.75	-184.62	406.13	332.96	0.63	47.47G
	9276.00	15.70	330.00	9229.07	414.50	369.17	-188.97	414.72	332.89	0.92	90.00G
	9307.00	15.70	330.30	9258.91	422.88	376.44	-193.15	423.10	332.84	0.26	-15.33G
	9339.00	15.90	330.10	9289.70	431.60	384.00	-197.48	431.81	332.79	0.65	15.50G
	9371.00	16.10	330.30	9320.46	440.42	391.86	-201.86	440.62	332.73	0.65	8.18G
	9403.00	16.70	330.60	9351.16	449.45	399.52	-208.31	449.65	332.69	1.89	-170.50G
	9435.00	16.20	330.30	9381.85	458.51	407.40	-210.78	458.70	332.64	1.58	169.20G
	9466.00	15.50	330.80	9411.67	466.98	414.77	-214.95	467.16	332.61	2.30	7.71G
	9498.00	15.70	330.90	9442.49	475.58	422.29	-219.14	475.76	332.57	0.63	-174.01G
	9529.00	15.20	330.70	9472.37	483.84	429.50	-223.17	484.02	332.54	1.82	33.85G
	9560.00	15.40	331.20	9502.27	492.02	436.65	-227.14	492.19	332.52	0.77	176.30G
	9591.00	15.00	331.30	9532.19	500.15	443.78	-231.05	500.32	332.50	1.29	-9.88G
	9621.00	15.30	331.10	9561.15	507.99	450.65	-234.83	508.16	332.48	1.02	-165.50G
	9653.00	15.00	330.80	9592.03	516.35	457.96	-238.89	516.52	332.45	0.97	14.79G
	9685.00	15.30	331.10	9622.92	524.72	465.27	-242.95	524.88	332.43	0.97	18.71G
	9778.00	15.70	331.60	9712.54	549.57	487.08	-254.86	549.73	332.38	0.45	10.41G
	9872.00	16.00	331.80	9802.96	575.24	509.68	-267.03	575.40	332.35	0.32	180.00G
	9935.00	15.80	331.80	9863.55	592.50	524.89	-275.19	592.66	332.33	0.32	-72.70G
	10032.00	16.00	329.60	9956.84	619.07	548.06	-288.19	619.22	332.28	0.65	-11.86G
	10126.00	16.40	329.30	10047.11	645.28	570.65	-301.52	645.41	332.15	0.43	7.19G
	10218.00	17.10	329.60	10135.21	671.79	593.48	-315.00	671.90	332.04	0.77	154.32G
	10311.00	16.80	330.10	10224.17	698.89	616.93	-328.62	698.99	331.96	0.36	-164.52G
	10403.00	16.10	329.40	10312.40	724.94	639.43	-341.74	725.02	331.88	0.79	43.49G
	10498.00	16.40	330.40	10403.61	751.52	662.43	-355.07	751.59	331.81	0.43	-144.28G
	10592.00	15.80	328.80	10493.92	777.57	684.92	-368.25	777.64	331.73	0.79	-139.47G
	10685.00	15.40	327.50	10583.49	802.55	708.16	-381.45	802.60	331.62	0.57	6.25G
	10780.00	15.90	327.70	10674.97	828.13	727.80	-395.18	828.16	331.50	0.53	-33.14G
	10874.00	16.70	325.90	10765.19	854.44	749.87	-409.63	854.46	331.35	1.01	174.93G
	10967.00	14.70	328.60	10854.72	879.52	770.78	-423.62	879.52	331.21	2.16	157.93G
	11060.00	13.50	328.70	10944.92	902.13	789.91	-435.75	902.13	331.12	1.40	163.41G
	11152.00	12.10	330.70	11034.63	922.50	807.50	-446.05	922.50	331.08	1.60	-22.82G
	11247.00	12.90	329.20	11127.38	943.06	825.29	-456.36	943.06	331.06	0.91	-173.64G
	11341.00	11.80	328.60	11219.20	963.15	842.51	-466.74	963.15	331.01	1.18	44.70G
	11436.00	12.10	330.00	11312.14	982.81	859.42	-476.78	982.81	330.98	0.44	-168.27G
	11528.00	11.00	328.80	11402.28	1001.22	875.28	-486.14	1001.22	330.95	1.22	167.54G
	11622.00	10.20	329.80	11494.67	1018.51	890.14	-494.88	1018.51	330.92	0.87	136.17G
	11716.00	9.80	332.10	11587.24	1034.83	904.41	-502.91	1034.83	330.92	0.60	-61.88G
	11810.00	10.60	324.80	11679.76	1051.42	918.54	-511.63	1051.42	330.88	1.62	-175.14G
	11904.00	9.80	324.40	11772.27	1067.96	932.11	-521.27	1067.97	330.78	0.85	20.48G

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	11998.00	10.70	328.20	11864.77	1084.81	945.87	-530.79	1084.62	330.70	1.02	170.73G
	12092.00	8.60	328.50	11957.44	1100.32	959.11	-539.31	1100.35	330.65	2.27	70.98G
	12183.00	8.90	333.50	12047.38	1114.15	971.22	-546.01	1114.18	330.66	0.90	164.74G
	12279.00	7.60	336.20	12142.39	1127.90	983.67	-551.89	1127.91	330.71	1.41	-167.45G
	12379.00	6.90	334.90	12241.59	1140.48	995.16	-557.10	1140.49	330.76	0.72	168.68G
	12473.00	6.80	335.10	12334.91	1151.66	1005.32	-561.84	1151.67	330.80	0.11	-167.68G
	12568.00	5.60	332.40	12427.37	1161.69	1014.34	-566.26	1161.69	330.83	1.33	-177.93G
	12659.00	3.00	330.60	12520.10	1168.66	1020.48	-569.56	1168.66	330.83	2.80	-23.60M
	12758.00	2.40	336.40	12616.99	1173.22	1024.55	-571.62	1173.22	330.84	0.68	-85.60M
	12849.00	4.00	294.40	12709.86	1177.76	1027.68	-575.35	1177.77	330.76	2.94	0.00M



State of Texas  
County of Andrews

I, Mike Ledbetter, certify that; I am employed by INTREPID DIRECTIONAL DRILLING SPECIALISTS, Ltd.; that I did on the days of 4/14/06 through 5-19-06 conduct or supervise the taking of MWD surveys from a depth of 7413' feet to a depth of 12849' feet; that the data is true, correct, complete and within the limitations of the tool as set forth by INTREPID MWD, a division of INTREPID DIRECTIONAL DRILLING, Ltd.; that I am authorized and qualified to make this report; that this survey was conducted at the request of Momentum energy API# 42-003-39176 in Andrews County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by INTREPID MWD. a division of INTREPID DIRECTIONAL DRILLING SPECIALISTS, Ltd.

A handwritten signature in cursive script that reads "Mike Ledbetter".

Mike Ledbetter,  
MWD Engineer