Drift-Pac™

Wellbore Drift Interpretation Package

Prepared Especially For

ME-WP-1

MEC Westport 01-21-26-13

November 20, 2004

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Wellbore Drift Interpretation

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Company	Methane Energy Corp.	**County**	Coos	**State**	OR
Well Number	ME-WP-1	**Date of Survey**	November 20, 2004	**Magnetic Declination Used**	
Field	Coos Bay	**Recorded By**	Dan Ihde		
Equipment No.	L-15 **Job Number** 39745	**welenco Office**	Bakersfield	**Witness**	Gary Anderson
Location	5.5" casing to 268'				
Remarks	Hole bridged off at 2178'	**Tool Type**	Compass	**Tool Number**	
Drift Calculation Method	Balanced Tangential Method	**Dogleg Calculation Method**			

Measured Information			Closure Calculations				Rectangular Coordinates				Dogleg Severity	
Measured Depth, Feet	Inclination, Degrees From Vertical	Azimuth, Degrees, True	Course Deviation, Feet	True Vertical Depth, Feet	Drift Distance, Feet	Drift Bearing Degrees, True	Latitude, Feet	Departure, Feet	Total Latitude, Feet	Total Departure, Feet	Dogleg Severity, Degs/20 Feet	Dogleg Severity, Degs/100 Feet
0.00	0.10	287	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
50.00	0.40	239	0.21	49.99	0.21	248.00	-0.08	-0.19	-0.08	-0.19		
100.00	0.20	32	0.10	99.98	0.31	251.90	-0.02	-0.10	-0.10	-0.29		
150.00	0.30	265	0.10	149.97	0.38	264.30	0.06	-0.08	-0.04	-0.37		
200.00	0.20	38	0.10	199.96	0.45	272.20	0.06	-0.08	0.02	-0.45		
250.00	0.60	336	0.31	249.95	0.60	303.10	0.31	-0.05	0.33	-0.50		
300.00	0.60	139	0.08	299.94	0.57	310.50	0.04	0.07	0.37	-0.43		
350.00	1.40	167	0.85	349.93	0.44	196.00	-0.79	0.31	-0.42	-0.12		
400.00	1.80	168	1.40	399.91	1.79	174.20	-1.36	0.30	-1.78	0.18		
450.00	2.20	173	1.74	449.87	3.53	172.50	-1.72	0.28	-3.50	0.46		
500.00	2.80	177	2.18	499.82	5.71	173.60	-2.17	0.18	-5.67	0.64		
550.00	3.30	178	2.66	549.74	8.36	174.80	-2.66	0.11	-8.33	0.75		
600.00	3.50	179	2.97	599.65	11.32	175.80	-2.96	0.08	-11.29	0.83		
650.00	3.70	180	3.14	649.55	14.45	176.60	-3.14	0.03	-14.43	0.86		
700.00	4.20	179	3.44	699.43	17.90	177.10	-3.44	0.03	-17.87	0.89		
750.00	4.40	178	3.75	749.28	21.64	177.40	-3.75	0.10	-21.62	0.99		
800.00	3.60	179	3.49	799.15	25.13	177.50	-3.49	0.09	-25.11	1.08		
850.00	3.90	176	3.27	849.04	28.40	177.50	-3.27	0.15	-28.38	1.23		
900.00	4.60	176	3.71	898.90	32.11	177.30	-3.70	0.26	-32.08	1.49		
950.00	4.70	173	4.05	948.73	36.16	177.00	-4.03	0.39	-36.11	1.88		
1,000.00	4.60	170	4.05	998.56	40.19	176.50	-4.01	0.60	-40.12	2.48		
1,050.00	5.20	168	4.27	1,048.37	44.43	175.70	-4.19	0.82	-44.31	3.30		
1,100.00	5.40	173	4.61	1,098.15	49.03	175.30	-4.55	0.76	-48.86	4.06		
1,150.00	4.90	173	4.49	1,147.94	53.51	175.10	-4.45	0.55	-53.31	4.61		
1,200.00	5.20	171	4.40	1,197.74	57.90	174.80	-4.36	0.61	-57.67	5.22		
1,250.00	4.70	166	4.31	1,247.55	62.19	174.40	-4.23	0.85	-61.90	6.07		
1,300.00	6.00	169	4.66	1,297.32	66.83	173.90	-4.55	0.99	-66.45	7.06		
1,350.00	5.50	169	5.01	1,347.06	71.82	173.60	-4.92	0.96	-71.37	8.02		

TVD in Feet 2,166.93 **Final Closure Distance in Feet** 146.50 **Final Closure Bearing in Degrees** 152.30

Measured Information			Closure Calculations				Rectangular Coordinates				Dogleg Severity	
Measured Depth, Feet	Inclination, Degrees From Vertical	Azimuth, Degrees, True	Course Deviation, Feet	True Vertical Depth, Feet	Drift Distance, Feet	Drift Bearing Degrees, True	Latitude, Feet	Departure, Feet	Total Latitude, Feet	Total Departure, Feet	Dogleg Severity, Degs/20 Feet	Dogleg Severity, Degs/100 Feet
1,400.00	5.00	170	4.57	1,396.84	76.38	173.30	-4.50	0.84	-75.87	8.86		
1,450.00	6.40	167	4.96	1,446.58	81.33	173.00	-4.86	1.01	-80.73	9.87		
1,500.00	6.10	163	5.44	1,496.28	86.72	172.50	-5.26	1.40	-85.99	11.27		
1,550.00	6.20	158	5.35	1,545.99	91.97	171.80	-5.04	1.79	-91.03	13.06		
1,600.00	6.20	151	5.39	1,595.69	97.12	170.90	-4.86	2.32	-95.89	15.38		
1,650.00	5.50	149	5.10	1,645.42	101.89	169.90	-4.42	2.54	-100.31	17.92		
1,700.00	5.00	139	4.56	1,695.20	106.03	168.80	-3.70	2.66	-104.01	20.58		
1,750.00	5.10	132	4.39	1,745.00	109.72	167.50	-3.13	3.08	-107.14	23.66		
1,800.00	5.60	127	4.66	1,794.78	113.42	166.10	-2.96	3.60	-110.10	27.26		
1,850.00	5.60	110	4.83	1,844.54	116.73	164.30	-2.30	4.24	-112.40	31.50		
1,900.00	6.00	116	5.05	1,894.28	119.95	162.50	-1.98	4.64	-114.38	36.14		
1,950.00	6.40	118	5.40	1,943.98	123.80	160.70	-2.45	4.81	-116.83	40.95		
2,000.00	7.20	115	5.92	1,993.62	128.10	158.80	-2.63	5.30	-119.46	46.25		
2,050.00	7.30	114	6.31	2,043.22	132.69	156.90	-2.62	5.74	-122.08	51.99		
2,100.00	8.30	114	6.79	2,092.75	137.74	155.00	-2.76	6.20	-124.84	58.19		
2,150.00	9.00	118	7.52	2,142.18	143.66	153.10	-3.30	6.75	-128.14	64.94		
2,175.00	7.10	116	3.50	2,166.93	146.50	152.30	-1.60	3.12	-129.74	68.06		

TVD in Feet 2,166.93 **Final Closure Distance in Feet** 146.50 **Final Closure Bearing in Degrees** 152.30

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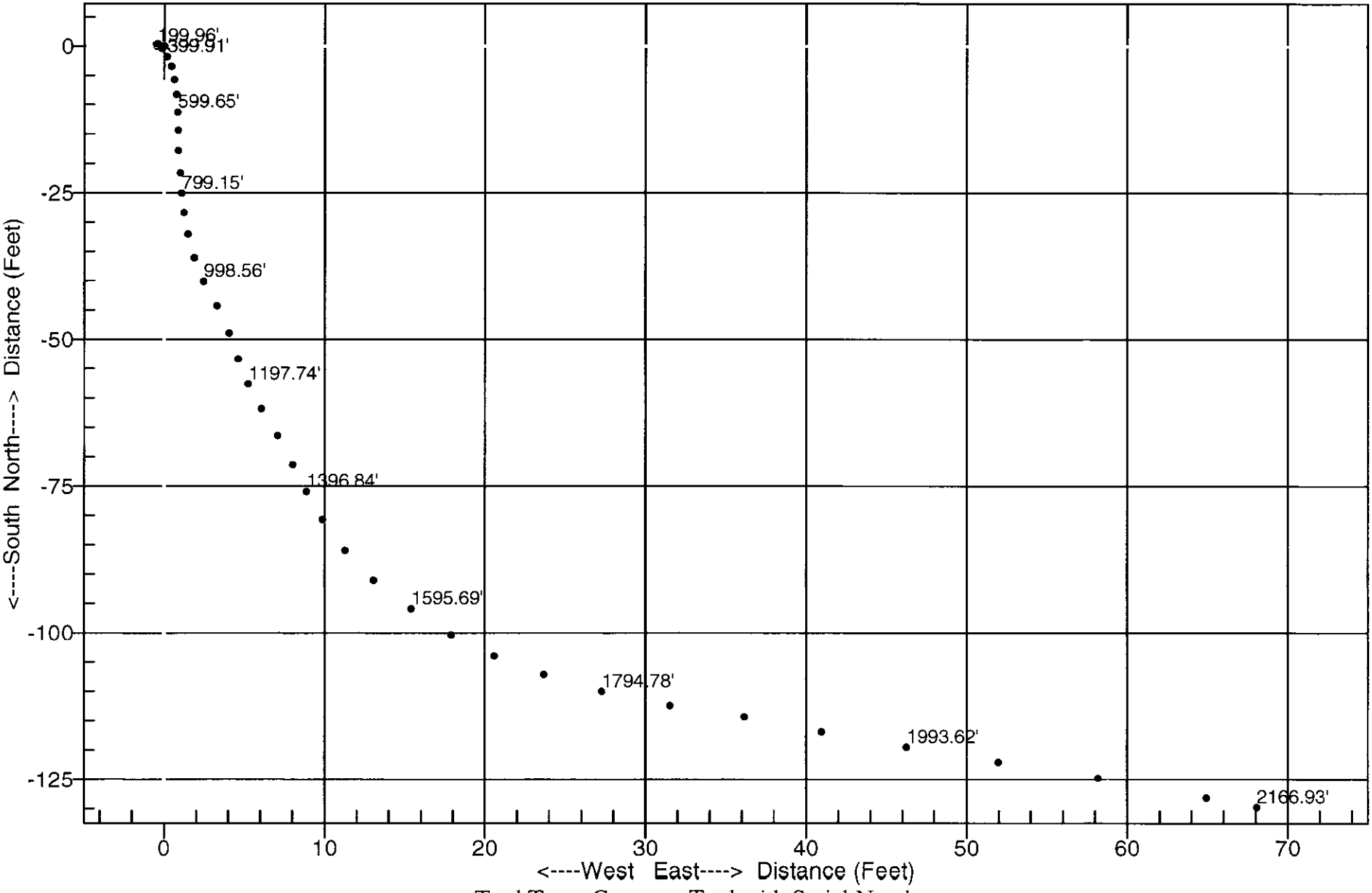
DRIFT-PAC PLAN VIEW

Drift Distance = 146.50 Feet Drift Bearing = 152.3 Degrees True Vertical Depth = 2166.93 Feet



Tool Type: Compass Tool with Serial Number

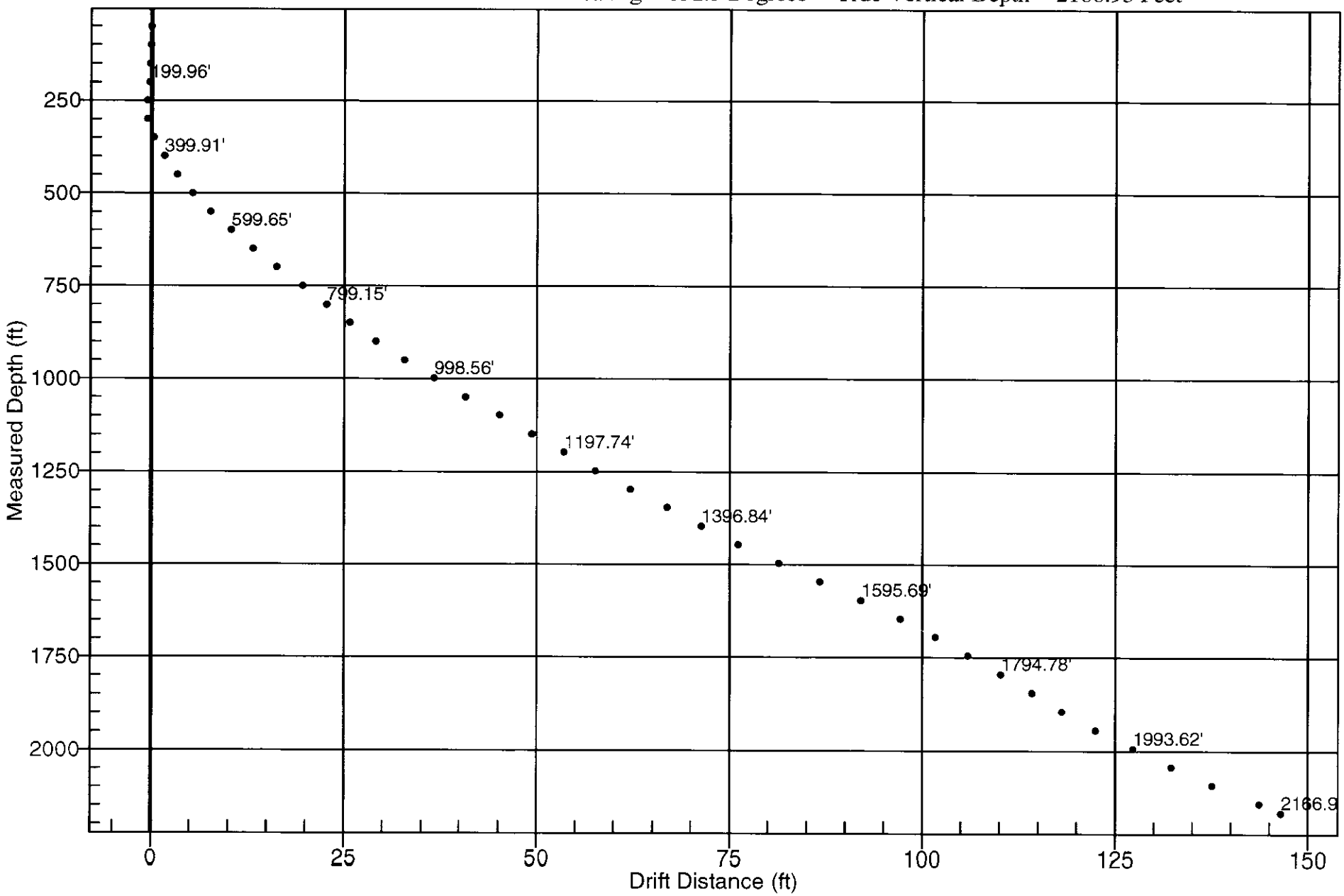
Date of Survey: November 20, 2004 Balanced Tangential Calculation Method

Methane Energy Corp.

ME-WP-1

Drift-Pac Plane of Drift View

Drift Distance = 146.5 Feet Drift Bearing = 152.3 Degrees True Vertical Depth = 2166.93 Feet



Date of Survey: November 20, 2004

Balanced Tangential Calculation Method

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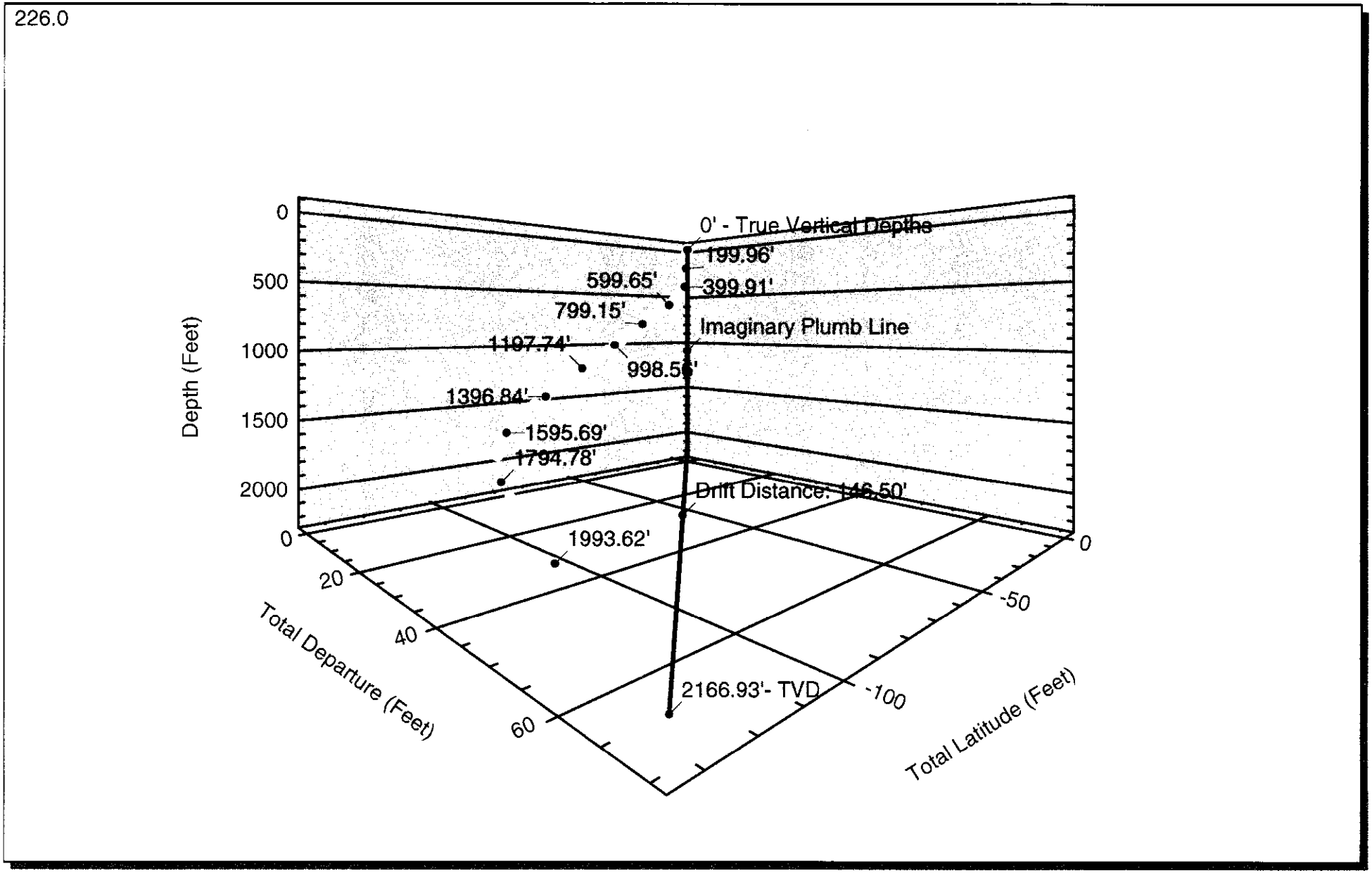
Drift-Pac 3D Projection View

Drift Distance = 146.5 Feet Drift Bearing = 152.3 Degrees True Vertical Depth = 2166.93 Feet



Date of Survey: November 20, 2004

Balanced Tangential Calculation Method

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Methane Energy Corp.

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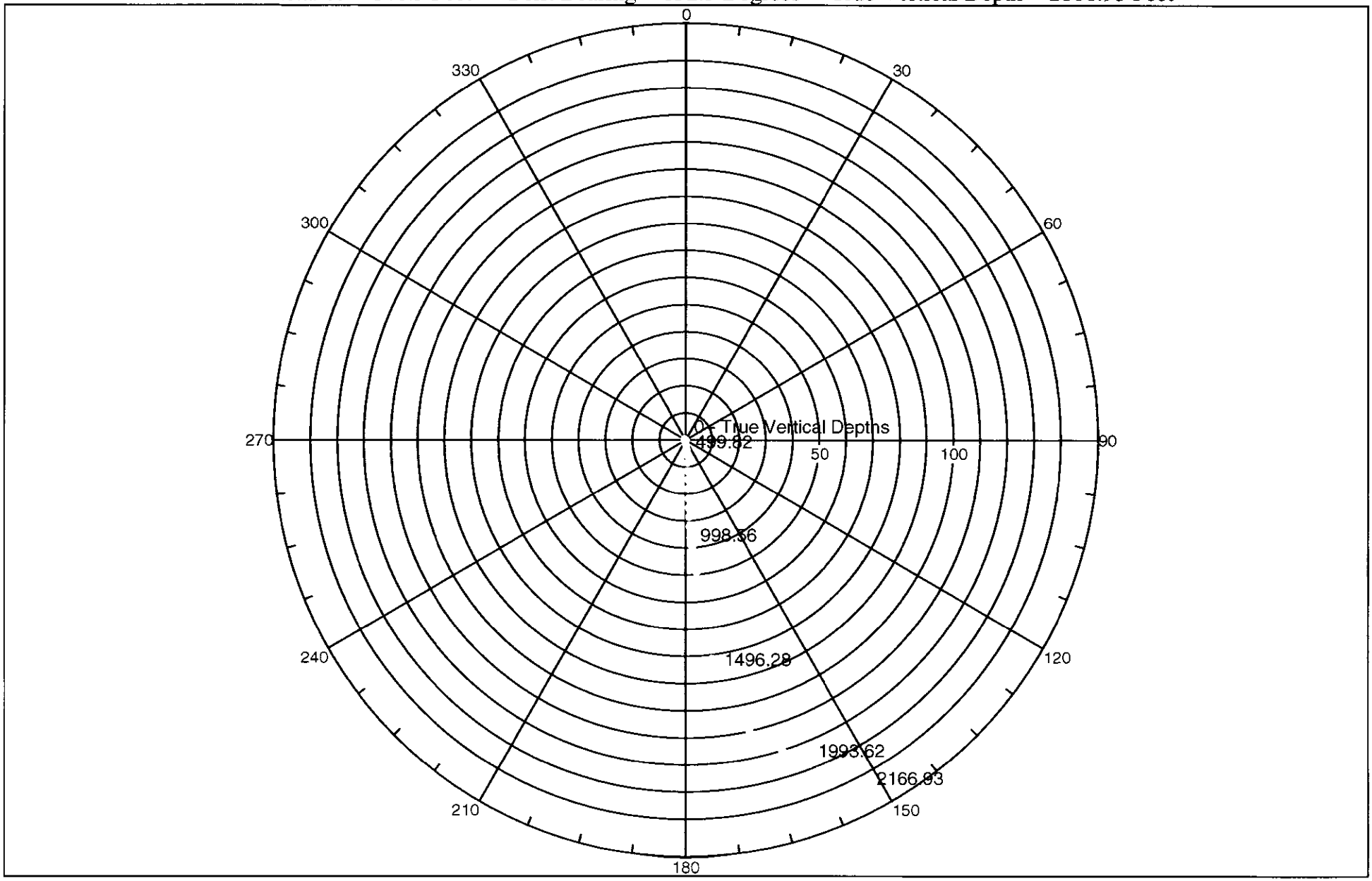
Drift-Pac Polar View

Drift Distance = 146.5 Feet Drift Bearing = 152.3 Degrees True Vertical Depth = 2166.93 Feet



Date of Survey: November 20, 2004

Balanced Tangential Calculation Method

Welenco, Inc. (800) 445-9914

Balanced Tangential Method

The Balanced Tangential Method uses the inclination and direction angles at the upper and lower ends of the course length in a manner so as to balance the two sets of measured angles over a course length. From a theoretical standpoint, this method combines the trigonometric functions to provide the average balanced inclination and direction angles, which are used in standard computational procedures. Other common names for this method are Vector Averaging, Acceleration, and Trapezoidal.

$\triangle$ North = [$\triangle$MD/2] x [sin(I_1) x cos(A_1) + sin(I_2) x cos(A_2)]

$\triangle$ East = [$\triangle$MD/2] x [sin(I_1) x sin(A_1) + sin(I_2) x sin(A_2)]

$\triangle$ Vertical = [$\triangle$MD/2] x [cos(I_1) + cos(I_2)]