

15-35842

BEPCO, L.P.

Eddy Co., New Mexico (Nad 83)

Poker Lake Unit #239H

Poker Lake Unit #239H

Lateral #1

Survey: MWD Survey #1

Standard Survey Report

01 October, 2008

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #239H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Site:	Poker Lake Unit #239H	MD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 2003.14 Server Db

Project:	Eddy Co., New Mexico (Nad 83)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Poker Lake Unit #239H		
Site Position:		Northing:	434,489.26 ft
From:	Lat/Long	Easting:	869,661.48 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 11' 37.700 N
		Longitude:	103° 55' 6.600 W
		Grid Convergence:	0.22 °

Well:	Poker Lake Unit #239H		
Well Position	+N-S	0.00 ft	Northing:
	+E-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,168.00 ft
		Latitude:	32° 11' 37.700 N
		Longitude:	103° 55' 6.600 W
		Ground Level:	3,153.00 ft

Wellbore:	Lateral #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	2/26/2008	(°)
			8.12
		Dip Angle	(°)
			60.19
		Field Strength	(nT)
			48,914

Design:	Lateral #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	6,548.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
		Direction	(°)
			218.32

Survey Program	Date	9/1/2008	
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
100.00	6,548.00	Gyro Survey #1 (OH)	NS-GYRO-MS
6,548.00	8,922.00	MWD Survey #1 (Lateral #1)	MWD
			Description
			North sensing gyrocompassing m/s
			MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)
8,548.00	1.41	225.44	6,547.03	-70.45	-51.27	87.13	0.00	0.00	0.00
8,613.00	1.40	211.80	6,612.01	-71.69	-52.25	88.71	0.51	-0.02	-20.98
First MWD Survey									
8,644.00	1.50	218.20	6,643.00	-72.33	-52.70	89.49	0.61	0.32	20.65
8,674.00	1.90	263.50	6,672.99	-72.69	-53.44	90.22	4.53	1.33	151.00
8,705.00	3.60	294.30	6,703.95	-72.35	-54.84	90.78	7.08	5.48	99.36
8,737.00	5.80	307.80	6,735.85	-70.95	-57.03	90.94	7.65	6.88	42.19
8,768.00	8.10	314.30	6,766.62	-68.46	-59.83	90.60	7.83	7.42	20.97
8,799.00	6.20	310.70	6,797.37	-65.84	-62.67	90.17	6.29	-6.13	-11.61
8,829.00	4.30	288.10	6,827.25	-64.44	-64.96	90.40	9.25	-6.33	-75.33
8,860.00	8.10	314.80	6,858.07	-62.54	-67.62	90.44	15.08	12.26	86.13

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #239H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Site:	Poker Lake Unit #239H	MD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 2003.14 Server Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,892.00	14.70	325.90	6,889.42	-57.58	-71.50	88.74	21.64	20.63	34.69
Last MWD Survey									
6,922.00	11.90	318.80	6,918.62	-52.10	-75.67	86.80	10.79	-9.33	-23.67
Proj. to Bit									

Targets

Target Name

nk/mass target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL#1[PLU#239H] - survey misses by 2288.54ft at 6860.00ft MD (6858.07 TVD, -62.54 N, -67.62 E) - Point	0.00	0.00	7,181.00	-1,540.00	1,650.00	432,965.63	671,317.41	32° 11' 22.460 N	103° 54' 47.399 W
PBHL#1b[PLU#239H] - survey misses by 2279.49ft at 6860.00ft MD (6858.07 TVD, -62.54 N, -67.62 E) - Point	0.00	0.00	7,211.00	-1,520.07	1,649.10	432,975.56	671,316.44	32° 11' 22.657 N	103° 54' 47.409 W
HL[PLU239H] - survey misses by 6547.61ft at 6548.00ft MD (6547.03 TVD, -70.45 N, -51.27 E) - Rectangle (sides W1,960.00 H1,980.00 D0.00)	0.00	0.00	0.00	0.00	0.00	434,489.26	669,661.48	32° 11' 37.700 N	103° 55' 6.600 W
PBHL#1a[PLU#239H] - survey misses by 2279.07ft at 6860.00ft MD (6858.07 TVD, -62.54 N, -67.62 E) - Circle (radius 0.00)	0.00	0.00	7,181.00	-1,444.99	1,715.27	433,050.90	671,382.32	32° 11' 23.400 N	103° 54' 46.639 W
LL[PLU239H] - survey misses by 6547.61ft at 6548.00ft MD (6547.03 TVD, -70.45 N, -51.27 E) - Rectangle (sides W2,620.00 H2,640.00 D0.00)	0.00	0.00	0.00	0.00	0.00	434,489.26	669,661.48	32° 11' 37.700 N	103° 55' 6.600 W

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
6,613.00	6,612.01	-71.69	-52.25	First MWD Survey
6,892.00	6,889.42	-57.58	-71.50	Last MWD Survey
6,922.00	6,918.62	-52.10	-75.67	Proj. to Bit

Checked By: _____

Approved By: _____

Date: _____

BEPCO, L.P.

Eddy Co., New Mexico (Nad 83)

Poker Lake Unit #239H

Poker Lake Unit #239H

Sidetrack #1

Survey: MWD Survey #1

Standard Survey Report

01 October, 2008

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #239H
Project:	Eddy Co., New Mexico (Nad 83)	TYD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Site:	Poker Lake Unit #239H	MD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 2003.14 Server Db

Project:	Eddy Co., New Mexico (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Poker Lake Unit #239H				
Site Position:		Northing:	434,489.26 ft	Latitude:	32° 11' 37.700 N
From:	Lat/Long	Easting:	669,661.48 ft	Longitude:	103° 55' 6.600 W
Position Uncertainty:	0.00 ft	Spot Radius:	"	Grid Convergence:	0.22 °

Well:	Poker Lake Unit #239H					
Well Position	+N-S	0.00 ft	Northing:	434,489.26 ft	Latitude:	32° 11' 37.700 N
	+E-W	0.00 ft	Easting:	669,661.48 ft	Longitude:	103° 55' 6.600 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	3,168.00 ft	Ground Level:	3,153.00 ft

Wellbore:	Sidetrack #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	9/3/2008	(°)	(°)	(nT)
			8.06	80.18	48,865

Design:	Sidetrack #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	6,548.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	132.67	

Survey Program	Date	10/1/2008			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
100.00	6,548.00	Gyro Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
6,548.00	9,096.00	MWD Survey #1 (Sidetrack #1)	MWD	MWD - Standard	

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
6,548.00	1.41	225.44	6,547.03	-70.45	-51.27	10.08	0.00	0.00	0.00	
6,650.00	4.50	248.20	6,648.89	-72.82	-55.88	8.27	3.18	3.03	22.31	
First MWD Survey										
6,681.00	4.00	188.20	6,679.81	-74.34	-57.16	8.36	13.77	-1.61	-193.55	
6,712.00	7.20	157.90	6,710.67	-77.21	-56.58	10.73	13.72	10.32	-87.74	
6,743.00	11.40	147.40	6,741.26	-81.80	-54.20	15.45	14.58	13.55	-33.87	
6,774.00	15.30	145.50	6,771.41	-87.55	-50.23	22.41	12.66	12.58	-6.13	
6,805.00	18.90	143.70	6,801.04	-94.97	-44.94	31.32	11.74	11.61	-5.81	
6,836.00	22.00	140.80	6,830.08	-103.52	-38.30	42.00	10.52	10.00	-9.35	
6,867.00	24.90	138.80	6,858.52	-112.93	-30.33	54.24	9.70	9.35	-6.45	
6,899.00	28.20	138.80	6,887.14	-123.69	-20.91	68.46	10.31	10.31	0.00	
6,930.00	31.00	137.30	6,914.09	-135.07	-10.67	83.71	9.34	9.03	-4.84	

Black Viper Energy

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Site:	Poker Lake Unit #239H	MSD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 2003.14 Server Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,961.00	33.70	135.20	6,940.28	-147.04	0.81	100.26	9.43	8.71	-6.77
6,993.00	36.90	134.80	6,966.39	-160.12	13.89	118.73	10.03	10.00	-1.25
7,024.00	38.60	132.40	6,990.90	-173.20	27.63	137.70	7.25	5.48	-7.74
7,055.00	41.10	130.20	7,014.70	-186.30	42.56	157.58	9.26	8.06	-7.10
7,086.00	44.50	128.10	7,037.45	-199.58	58.90	178.58	11.89	10.97	-6.77
7,118.00	48.40	126.50	7,058.11	-212.75	78.19	200.22	13.56	13.00	-5.33
7,148.00	52.70	125.80	7,078.44	-227.31	96.14	224.76	13.54	13.44	-2.19
7,179.00	57.60	127.40	7,098.15	-242.49	116.55	250.05	16.38	15.81	5.16
7,210.00	61.10	127.10	7,111.95	-258.62	137.78	278.60	11.32	11.29	-0.97
7,242.00	63.40	128.80	7,126.85	-275.65	160.41	304.77	7.24	7.19	-0.94
7,273.00	61.50	127.50	7,141.19	-292.24	182.32	332.13	6.45	-8.13	2.26
7,304.00	65.50	127.70	7,155.02	-309.17	204.29	359.76	12.92	12.90	0.65
7,334.00	71.70	128.60	7,165.96	-326.42	226.24	387.59	20.85	20.67	3.00
7,366.00	77.60	128.40	7,174.43	-345.82	250.38	418.35	18.45	18.44	-0.83
7,397.00	83.40	129.70	7,179.54	-384.87	274.12	448.85	19.16	18.71	4.19
7,428.00	89.10	130.10	7,181.57	-384.71	297.84	479.74	18.43	18.39	1.29
7,459.00	89.90	129.90	7,181.84	-404.63	321.58	510.70	2.66	2.58	-0.65
7,490.00	89.90	129.90	7,181.89	-424.52	345.37	541.68	0.00	0.00	0.00
7,521.00	90.60	129.80	7,181.76	-444.38	369.17	572.63	2.28	2.26	-0.32
7,552.00	90.60	129.80	7,181.43	-464.22	392.98	603.59	0.00	0.00	0.00
7,583.00	91.30	130.10	7,180.92	-484.13	418.74	634.55	2.46	2.28	0.97
7,614.00	91.50	130.20	7,180.16	-504.11	440.43	665.51	0.72	0.65	0.32
7,645.00	91.40	130.00	7,179.38	-524.07	464.13	696.47	0.72	-0.32	-0.65
7,676.00	91.30	129.90	7,178.65	-543.97	487.89	727.42	0.46	-0.32	-0.32
7,707.00	91.20	129.70	7,177.97	-563.81	511.70	758.38	0.72	-0.32	-0.65
7,738.00	91.20	129.40	7,177.32	-583.54	535.60	789.32	0.97	0.00	-0.97
7,769.00	91.80	129.30	7,176.51	-603.19	559.57	820.28	1.96	1.94	-0.32
7,800.00	92.00	129.90	7,175.48	-622.94	583.44	851.20	2.04	0.85	1.94
7,831.00	92.50	129.80	7,174.26	-642.81	607.20	882.14	1.61	1.61	0.00
7,862.00	90.70	130.60	7,173.40	-662.83	630.85	913.10	6.23	-5.81	2.26
7,892.00	87.00	130.00	7,174.00	-682.23	653.72	943.06	12.49	-12.33	-2.00
7,923.00	87.70	130.60	7,175.43	-702.26	677.34	974.00	2.97	2.28	1.94
7,954.00	88.60	130.80	7,176.43	-722.48	700.81	1,004.97	3.06	2.90	0.97
7,985.00	89.30	131.30	7,177.00	-742.86	724.17	1,035.95	2.60	2.28	1.29
8,016.00	89.20	131.40	7,177.41	-763.34	747.44	1,066.94	0.46	-0.32	0.32
8,047.00	87.20	130.90	7,178.38	-783.72	770.77	1,097.91	6.65	-6.45	-1.81
8,078.00	88.70	131.50	7,179.49	-804.13	794.08	1,128.88	5.21	4.84	1.94
8,109.00	89.30	131.30	7,180.03	-824.63	817.33	1,159.87	2.04	1.94	-0.65
8,140.00	88.10	129.80	7,180.74	-844.78	840.87	1,190.84	6.20	-3.87	-4.84
8,171.00	87.90	129.50	7,181.82	-864.54	864.73	1,221.77	1.16	-0.65	-0.97
8,202.00	88.20	129.10	7,182.87	-884.17	888.70	1,252.70	1.81	0.97	-1.29
8,233.00	88.50	128.70	7,183.76	-903.63	912.82	1,283.62	1.61	0.97	-1.29
8,264.00	87.50	128.40	7,184.85	-922.93	937.05	1,314.52	3.37	-3.23	-0.97
8,295.00	88.20	128.60	7,186.01	-942.22	961.29	1,345.42	2.35	2.26	0.65
8,326.00	89.80	129.10	7,186.55	-961.66	985.43	1,376.34	5.41	5.16	1.61
8,357.00	88.60	129.50	7,186.98	-981.29	1,009.42	1,407.29	4.08	-3.87	1.29
8,388.00	89.50	129.60	7,187.50	-1,001.03	1,033.32	1,438.24	2.92	2.90	0.32
8,419.00	88.00	128.70	7,188.17	-1,020.80	1,057.18	1,469.19	4.85	-4.84	0.32
8,450.00	87.00	130.80	7,189.53	-1,040.81	1,080.81	1,500.13	4.79	-3.23	3.55
8,484.00	86.90	131.30	7,191.33	-1,063.11	1,106.42	1,534.07	1.50	-0.29	1.47
8,512.00	85.30	131.30	7,193.24	-1,081.55	1,127.40	1,561.99	5.71	-5.71	0.00
8,543.00	85.80	131.50	7,195.64	-1,101.99	1,150.59	1,592.89	1.74	1.61	0.65
8,574.00	86.40	131.30	7,197.75	-1,122.44	1,173.79	1,623.81	2.04	1.94	-0.65
8,604.00	86.30	128.40	7,199.66	-1,141.62	1,196.77	1,653.71	9.65	-0.33	-9.67

Black Viper Energy

Survey Report

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Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Site:	Poker Lake Unit #239H	MD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 2003.14 Server Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)
8,635.00	85.80	128.10	7,201.80	-1,160.77	1,221.08	1,684.55	1.88	-1.61	-0.87
8,666.00	85.70	127.70	7,204.10	-1,179.76	1,245.45	1,715.35	1.33	-0.32	-1.29
8,697.00	86.20	128.20	7,208.29	-1,198.77	1,269.84	1,746.17	2.28	1.61	1.61
8,728.00	86.10	129.10	7,208.37	-1,218.09	1,293.99	1,777.02	2.91	-0.32	2.90
8,759.00	86.30	129.30	7,210.42	-1,237.64	1,317.96	1,807.80	0.91	0.65	0.65
8,790.00	86.30	129.90	7,212.42	-1,257.36	1,341.80	1,838.79	1.93	0.00	1.94
8,821.00	86.60	129.70	7,214.34	-1,277.17	1,365.57	1,869.69	1.16	0.97	-0.65
8,852.00	87.00	130.40	7,218.07	-1,297.08	1,389.26	1,900.61	2.60	1.29	2.26
8,882.00	87.10	129.90	7,217.62	-1,316.40	1,412.16	1,930.54	1.70	0.33	-1.67
8,913.00	87.50	129.90	7,218.08	-1,336.26	1,435.92	1,961.47	1.29	1.29	0.00
8,944.00	87.40	129.60	7,220.46	-1,356.07	1,459.73	1,992.40	1.02	-0.32	-0.97
8,975.00	87.80	129.30	7,221.75	-1,375.75	1,483.64	2,023.32	1.61	1.29	-0.97
9,006.00	88.20	129.20	7,222.84	-1,395.35	1,507.64	2,054.25	1.33	1.29	-0.32
9,037.00	88.00	128.80	7,223.88	-1,414.85	1,531.71	2,085.17	1.44	-0.85	-1.29
Last MWD Survey									
9,096.00	88.00	128.80	7,225.92	-1,451.79	1,577.67	2,144.00	0.00	0.00	0.00
Proj. to Bit									

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #239H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Site:	Poker Lake Unit #239H	MO Reference:	KB Elev. @ 3171.00ft (KB Elevation)
Well:	Poker Lake Unit #239H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 2003.14 Server Db

Targets

Target Name	Shape	Dip Angle (°)	Obs. Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL#3[PLU#239H]	- survey misses by 98.46ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Point	0.00	0.00	7,208.00	-1,518.45	1,647.34	432,977.17	671,314.67	32° 11' 22.673 N	103° 54' 47.430 W
PBHL#1[PLU#239H]	- survey misses by 122.80ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Point	0.00	0.00	7,181.00	-1,540.00	1,650.00	432,855.63	671,317.41	32° 11' 22.460 N	103° 54' 47.399 W
PBHL#2[PLU#239H]	- survey misses by 97.57ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Point	0.00	0.00	7,211.00	-1,518.45	1,647.34	432,977.17	671,314.67	32° 11' 22.673 N	103° 54' 47.430 W
PBHL#1b[PLU#239H]	- survey misses by 99.94ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Point	0.00	0.00	7,211.00	-1,520.07	1,649.10	432,975.56	671,316.44	32° 11' 22.657 N	103° 54' 47.409 W
HL[PLU239H]	- survey misses by 6547.61ft at 6548.00ft MD (6547.03 TVD, -70.45 N, -51.27 E) - Rectangle (sides W1,980.00 H1,980.00 D0.00)	0.00	0.00	0.00	0.00	0.00	434,489.28	669,661.48	32° 11' 37.700 N	103° 55' 6.600 W
PBHL#1a[PLU#239H]	- survey misses by 144.91ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Circle (radius 0.00)	0.00	0.00	7,181.00	-1,444.99	1,715.27	433,050.90	671,382.32	32° 11' 23.400 N	103° 54' 46.639 W
PBHL#4[PLU#239H]	- survey misses by 96.43ft at 9096.00ft MD (7225.92 TVD, -1451.79 N, 1577.67 E) - Point	0.00	0.00	7,225.00	-1,518.45	1,647.34	432,977.17	671,314.67	32° 11' 22.673 N	103° 54' 47.430 W
LL[PLU239H]	- survey misses by 6547.61ft at 6548.00ft MD (6547.03 TVD, -70.45 N, -51.27 E) - Rectangle (sides W2,820.00 H2,840.00 D0.00)	0.00	0.00	0.00	0.00	0.00	434,489.28	669,661.48	32° 11' 37.700 N	103° 55' 6.600 W

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,850.00	6,648.89	-72.82	-55.88	First MWD Survey
9,037.00	7,223.86	-1,414.85	1,531.71	Last MWD Survey
9,096.00	7,225.92	-1,451.79	1,577.67	Proj. to Bit

Checked By: _____	Approved By: _____	Date: _____
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Poker Lake Unit #239H ST #1 Final Report 10-01-08.txt

BEPCO, L.P.

Poker Lake Unit #239H - MWD Survey #1

Eddy Co., New Mexico (Nad 83)

Poker Lake Unit #239H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6548.00	1.410	225.440	6547.03	70.45 S	51.27 W	10.06
0.00						
6650.00	4.500	248.200	6648.89	72.82 S	55.88 W	8.27
3.18						
6681.00	4.000	188.200	6679.81	74.34 S	57.16 W	8.36
13.77						
6712.00	7.200	157.900	6710.67	77.21 S	56.58 W	10.73
13.72						
6743.00	11.400	147.400	6741.26	81.60 S	54.20 W	15.45
14.56						
6774.00	15.300	145.500	6771.41	87.55 S	50.23 W	22.41
12.66						
6805.00	18.900	143.700	6801.04	94.97 S	44.94 W	31.32
11.74						
6836.00	22.000	140.800	6830.08	103.52 S	38.30 W	42.00
10.52						
6867.00	24.900	138.800	6858.52	112.93 S	30.33 W	54.24
9.70						
6899.00	28.200	138.800	6887.14	123.69 S	20.91 W	68.46
10.31						
6930.00	31.000	137.300	6914.09	135.07 S	10.67 W	83.71
9.34						
6961.00	33.700	135.200	6940.28	147.04 S	0.81 E	100.26
9.43						
6993.00	36.900	134.800	6966.39	160.12 S	13.89 E	118.73
10.03						
7024.00	38.600	132.400	6990.90	173.20 S	27.63 E	137.70
7.25						
7055.00	41.100	130.200	7014.70	186.30 S	42.56 E	157.56
9.26						
7086.00	44.500	128.100	7037.45	199.58 S	58.90 E	178.58
11.89						
7116.00	48.400	126.500	7058.11	212.75 S	76.19 E	200.22
13.56						
7148.00	52.700	125.800	7078.44	227.31 S	96.14 E	224.76
13.54						
7179.00	57.600	127.400	7096.15	242.49 S	116.55 E	250.05
16.36						
7210.00	61.100	127.100	7111.95	258.62 S	137.78 E	276.60
11.32						
7242.00	63.400	126.800	7126.85	275.65 S	160.41 E	304.77
7.24						
7273.00	61.500	127.500	7141.19	292.24 S	182.32 E	332.13
6.45						
7304.00	65.500	127.700	7155.02	309.17 S	204.29 E	359.76
12.92						
7334.00	71.700	128.600	7165.96	326.42 S	226.24 E	387.59
20.85						
7366.00	77.600	128.400	7174.43	345.62 S	250.38 E	418.35
18.45						

	Poker	Lake	Unit	#239H	ST #1	Final Report	10-01-08.txt	
7397.00 19.16	83.400	129.700	7179.54	364.87	S	274.12	E	448.85
7428.00 18.43	89.100	130.100	7181.57	384.71	S	297.84	E	479.74
7459.00 2.66	89.900	129.900	7181.84	404.63	S	321.58	E	510.70
7490.00 0.00	89.900	129.900	7181.89	424.52	S	345.37	E	541.66
7521.00 2.28	90.600	129.800	7181.76	444.38	S	369.17	E	572.63
7552.00 0.00	90.600	129.800	7181.43	464.22	S	392.98	E	603.59
7583.00 2.46	91.300	130.100	7180.92	484.13	S	416.74	E	634.55
7614.00 0.72	91.500	130.200	7180.16	504.11	S	440.43	E	665.51
7645.00 0.72	91.400	130.000	7179.38	524.07	S	464.13	E	696.47
7676.00 0.46	91.300	129.900	7178.65	543.97	S	487.89	E	727.42
7707.00 0.72	91.200	129.700	7177.97	563.81	S	511.70	E	758.38
7738.00 0.97	91.200	129.400	7177.32	583.54	S	535.60	E	789.32
7769.00 1.96	91.800	129.300	7176.51	603.19	S	559.57	E	820.26
7800.00 2.04	92.000	129.900	7175.48	622.94	S	583.44	E	851.20
7831.00 1.61	92.500	129.900	7174.26	642.81	S	607.20	E	882.14
7862.00 6.23	90.700	130.600	7173.40	662.83	S	630.85	E	913.10
7892.00 12.49	87.000	130.000	7174.00	682.23	S	653.72	E	943.06
7923.00 2.97	87.700	130.600	7175.43	702.26	S	677.34	E	974.00
7954.00 3.06	88.600	130.900	7176.43	722.48	S	700.81	E	1004.97
7985.00 2.60	89.300	131.300	7177.00	742.86	S	724.17	E	1035.95
8016.00 0.46	89.200	131.400	7177.41	763.34	S	747.44	E	1066.94
8047.00 6.65	87.200	130.900	7178.38	783.72	S	770.77	E	1097.91
8078.00 5.21	88.700	131.500	7179.49	804.13	S	794.08	E	1128.88
8109.00 2.04	89.300	131.300	7180.03	824.63	S	817.33	E	1159.87
8140.00 6.20	88.100	129.800	7180.74	844.78	S	840.87	E	1190.84
8171.00 1.16	87.900	129.500	7181.82	864.54	S	864.73	E	1221.77
8202.00 1.61	88.200	129.100	7182.87	884.17	S	888.70	E	1252.70
8233.00 1.61	88.500	128.700	7183.76	903.63	S	912.82	E	1283.62
8264.00 3.37	87.500	128.400	7184.85	922.93	S	937.05	E	1314.52
8295.00 2.35	88.200	128.600	7186.01	942.22	S	961.29	E	1345.42
8326.00 5.41	89.800	129.100	7186.55	961.66	S	985.43	E	1376.34
8357.00	88.600	129.500	7186.98	981.29	S	1009.42	E	1407.29

Poker Lake Unit #239H ST #1 Final Report 10-01-08.txt

4.08						
8388.00	89.500	129.600	7187.50	1001.03 S	1033.32 E	1438.24
2.92						
8419.00	88.000	129.700	7188.17	1020.80 S	1057.18 E	1469.19
4.85						
8450.00	87.000	130.800	7189.53	1040.81 S	1080.81 E	1500.13
4.79						
8484.00	86.900	131.300	7191.33	1063.11 S	1106.42 E	1534.07
1.50						
8512.00	85.300	131.300	7193.24	1081.55 S	1127.40 E	1561.99
5.71						
8543.00	85.800	131.500	7195.64	1101.99 S	1150.59 E	1592.89
1.74						
8574.00	86.400	131.300	7197.75	1122.44 S	1173.79 E	1623.81
2.04						
8604.00	86.300	128.400	7199.66	1141.62 S	1196.77 E	1653.71
9.65						
8635.00	85.800	128.100	7201.80	1160.77 S	1221.06 E	1684.55
1.88						
8666.00	85.700	127.700	7204.10	1179.76 S	1245.45 E	1715.35
1.33						
8697.00	86.200	128.200	7206.29	1198.77 S	1269.84 E	1746.17
2.28						
8728.00	86.100	129.100	7208.37	1218.09 S	1293.99 E	1777.02
2.91						
8759.00	86.300	129.300	7210.42	1237.64 S	1317.96 E	1807.90
0.91						
8790.00	86.300	129.900	7212.42	1257.36 S	1341.80 E	1838.79
1.93						
8821.00	86.600	129.700	7214.34	1277.17 S	1365.57 E	1869.69
1.16						
8852.00	87.000	130.400	7216.07	1297.08 S	1389.26 E	1900.61
2.60						
8882.00	87.100	129.900	7217.62	1316.40 S	1412.16 E	1930.54
1.70						
8913.00	87.500	129.900	7219.08	1336.26 S	1435.92 E	1961.47
1.29						
8944.00	87.400	129.600	7220.46	1356.07 S	1459.73 E	1992.40
1.02						
8975.00	87.800	129.300	7221.75	1375.75 S	1483.64 E	2023.32
1.61						
9006.00	88.200	129.200	7222.84	1395.35 S	1507.64 E	2054.25
1.33						
9037.00	88.000	128.800	7223.86	1414.85 S	1531.71 E	2085.17
1.44						
9096.00	88.000	128.800	7225.92	1451.79 S	1577.67 E	2144.00
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to KB Elev.. Northings and Eastings are relative to well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 132.670° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.221°.

Poker Lake Unit #239H ST #1 Final Report 10-01-08.txt
Based upon Minimum Curvature type calculations, at a Measured Depth of
9096.00ft.,
the Bottom Hole Displacement is 2144.00ft., in the Direction of 132.670°
(True).

Poker Lake Unit #239H Lateral #1 Final Report 10-01-08.txt
 BEPCO, L.P.
 Poker Lake Unit #239H - MWD Survey #1

Eddy Co., New Mexico (Nad 83)
 Poker Lake Unit #239H

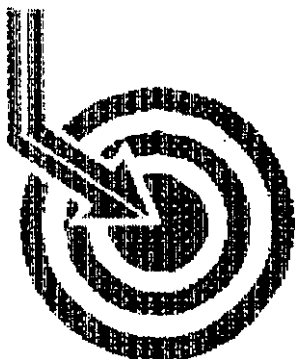
Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
6548.00 0.00	1.410	225.440	6547.03	70.45 S	51.27 W	87.13
6613.00 0.51	1.400	211.800	6612.01	71.69 S	52.25 W	88.71
6644.00 0.61	1.500	218.200	6643.00	72.33 S	52.70 W	89.49
6674.00 4.53	1.900	263.500	6672.99	72.69 S	53.44 W	90.22
6705.00 7.08	3.600	294.300	6703.95	72.35 S	54.84 W	90.78
6737.00 7.65	5.800	307.800	6735.85	70.95 S	57.03 W	90.94
6768.00 7.83	8.100	314.300	6766.62	68.46 S	59.83 W	90.60
6799.00 6.29	6.200	310.700	6797.37	65.84 S	62.67 W	90.17
6829.00 9.25	4.300	288.100	6827.25	64.44 S	64.96 W	90.40
6860.00 15.08	8.100	314.800	6858.07	62.54 S	67.62 W	90.44
6892.00 21.64	14.700	325.900	6889.42	57.58 S	71.50 W	88.74
6922.00 10.79	11.900	318.800	6918.62	52.10 S	75.67 W	86.80

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North.
 Vertical depths are relative to KB Elev.. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
 Vertical Section is from Slot and calculated along an Azimuth of 216.322° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
 Central meridian is -104.333°.
 Grid Convergence at Surface is 0.221°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 6922.00ft., the Bottom Hole Displacement is 91.87ft., in the Direction of 216.322° (True).



Scientific Drilling

BASS ENTERPRISES (BEPCO)

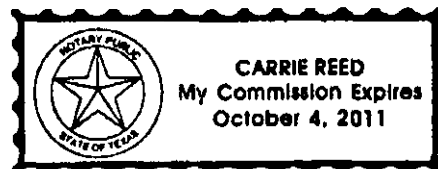
Field: Nash Draw
Site: Eddy County, NM
Well: Poker Lake #239H
Wellpath: VH - Job #32K0808651
Survey: 08/24/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Robert*.....Company Representative

Notorized this date 7th of September, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BASS ENTERPRISES (BEPKO)
Field: Nash Draw
Site: Eddy County, NM
Well: Poker Lake #239H
Wellpath: VH - Job #32K0808651

Date: 09/17/2008 Time: 13:50:58 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,132.87Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 08/24/08

Start Date: 08/24/2008

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Madrid w/P&M
Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
0.00	0.00	359.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.68	229.78	100.00	-0.07	-0.38	-0.45	0.68	0.59	229.78
200.00	0.61	245.05	199.99	-0.35	-0.99	-1.39	0.18	1.71	234.49
300.00	1.03	224.32	299.98	-0.58	-1.86	-2.50	0.51	3.11	233.37
400.00	1.03	232.55	399.97	-0.76	-3.05	-3.84	0.15	4.90	231.57
500.00	1.18	227.19	499.95	-0.99	-4.29	-5.31	0.18	6.83	231.04
600.00	1.11	225.68	599.93	-1.13	-5.67	-6.76	0.08	8.82	230.00
700.00	1.13	229.81	699.91	-1.30	-6.98	-8.20	0.08	10.77	229.59
800.00	1.23	224.56	799.89	-1.46	-8.38	-9.71	0.15	12.83	229.19
900.00	1.05	229.22	899.87	-1.60	-9.75	-11.16	0.20	14.82	228.86
1000.00	0.90	222.53	999.85	-1.70	-10.93	-12.38	0.19	16.51	228.58
1100.00	0.59	201.06	1099.84	-1.51	-11.98	-13.10	0.41	17.75	227.54
1200.00	0.53	228.78	1199.84	-1.35	-12.78	-13.62	0.28	18.68	226.82
1300.00	0.63	209.54	1299.83	-1.26	-13.58	-14.23	0.20	19.67	226.34
1400.00	0.72	212.38	1399.83	-1.02	-14.59	-14.84	0.10	20.80	225.49
1500.00	1.01	239.72	1499.82	-1.17	-15.56	-15.93	0.50	22.27	225.68
1600.00	1.24	228.61	1599.80	-1.54	-16.72	-17.51	0.32	24.21	226.32
1700.00	1.49	229.29	1699.77	-1.80	-18.28	-19.30	0.25	26.59	226.55
1800.00	1.55	231.79	1799.73	-2.17	-19.97	-21.35	0.09	29.23	226.92
1900.00	1.35	225.84	1899.70	-2.44	-21.83	-23.26	0.25	31.76	227.08
2000.00	1.51	234.29	1999.67	-2.78	-23.22	-25.17	0.26	34.24	227.32
2100.00	1.50	238.35	2099.64	-3.39	-24.67	-27.36	0.11	36.84	227.96
2200.00	1.33	239.96	2199.60	-4.09	-25.94	-29.48	0.17	39.27	228.65
2300.00	1.16	254.88	2299.58	-4.98	-26.78	-31.46	0.36	41.32	229.59
2400.00	1.33	250.47	2399.56	-6.06	-27.44	-33.53	0.19	43.32	230.71
2500.00	1.17	257.82	2499.53	-7.19	-28.04	-35.82	0.23	45.33	231.79
2600.00	0.75	276.27	2599.52	-8.30	-28.18	-37.27	0.52	46.73	232.90
2700.00	0.51	226.94	2699.51	-8.86	-28.42	-38.25	0.57	47.65	233.39
2800.00	0.50	183.14	2799.51	-8.62	-29.18	-38.60	0.38	48.37	232.93
2900.00	0.60	160.71	2899.51	-7.88	-30.09	-38.45	0.24	48.82	231.96
3000.00	1.33	136.30	2999.49	-6.26	-31.42	-37.47	0.82	48.90	230.02
3100.00	1.80	141.88	3099.45	-3.55	-33.49	-35.70	0.49	48.95	228.83
3200.00	2.11	152.72	3199.40	-0.27	-36.37	-33.89	0.48	49.71	222.98
3300.00	1.86	164.22	3299.34	2.84	-39.56	-32.60	0.47	51.27	219.49
3400.00	1.26	163.72	3399.30	5.17	-42.18	-31.85	0.60	52.86	217.06
3500.00	0.89	168.14	3499.28	6.74	-44.00	-31.38	0.38	54.04	215.50
3600.00	0.90	154.35	3599.27	8.11	-45.46	-30.88	0.22	54.96	214.19
3700.00	0.87	154.29	3699.26	9.38	-46.70	-30.29	0.23	55.66	212.97
3800.00	0.69	132.49	3799.25	10.52	-47.63	-29.59	0.26	56.08	211.85
3900.00	0.38	169.57	3899.25	11.39	-48.36	-29.09	0.45	56.44	211.03
4000.00	0.43	137.78	3999.25	12.03	-48.97	-28.78	0.23	56.80	210.44
4100.00	0.42	219.13	4099.24	12.43	-49.53	-28.76	0.55	57.27	210.14
4200.00	0.61	188.10	4199.24	12.75	-50.34	-29.06	0.33	58.13	210.00
4300.00	0.59	225.38	4299.24	13.03	-51.23	-29.50	0.38	59.12	209.94
4400.00	0.49	208.78	4399.23	13.11	-51.97	-30.08	0.18	60.04	210.06
4500.00	0.62	226.12	4499.23	13.18	-52.72	-30.67	0.21	60.99	210.19
4600.00	0.55	234.80	4599.22	13.04	-53.37	-31.45	0.11	61.95	210.51
4700.00	0.48	230.83	4699.22	12.88	-53.91	-32.17	0.08	62.78	210.83
4800.00	0.58	224.22	4799.21	12.81	-54.54	-32.85	0.12	63.67	211.06



Scientific Drilling International Survey Report

Company: BASS ENTERPRISES (BEPco)
Field: Nash Draw
Site: Eddy County, NM
Well: Poker Lake #239H
Wellpath: VH - Job #32K0808651

Date: 09/17/2008 Time: 13:50:58 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,132.87Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

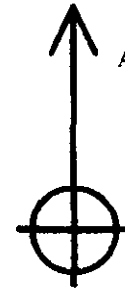
MD ft	Incl deg	Azimuth deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
4900.00	0.61	249.58	4899.21	12.56	-55.09	-33.70	0.28	64.58	211.46
5000.00	0.59	250.81	4999.20	12.07	-55.44	-34.89	0.02	65.40	212.03
5100.00	0.90	239.10	5099.19	11.61	-56.01	-35.85	0.34	66.50	212.62
5200.00	0.66	237.06	5199.18	11.24	-56.73	-37.00	0.24	67.73	213.12
5300.00	0.77	237.02	5299.18	10.93	-57.41	-38.05	0.11	68.87	213.54
5400.00	0.63	228.78	5399.17	10.71	-58.14	-39.03	0.17	70.02	213.87
5500.00	0.67	238.73	5499.16	10.49	-58.80	-39.94	0.12	71.08	214.19
5600.00	0.80	223.86	5599.15	10.31	-59.61	-40.92	0.23	72.31	214.47
5700.00	0.71	227.45	5699.15	10.25	-60.53	-41.86	0.10	73.60	214.67
5800.00	1.01	223.54	5799.13	10.18	-61.59	-42.93	0.31	75.07	214.88
5900.00	0.83	238.03	5899.12	9.98	-62.61	-44.15	0.29	76.61	215.19
6000.00	0.77	229.81	5999.11	9.70	-63.43	-45.28	0.13	77.93	215.52
6100.00	0.74	214.84	6099.10	9.71	-64.39	-46.16	0.20	79.23	215.63
6200.00	0.95	214.93	6199.09	9.91	-65.61	-47.00	0.21	80.70	215.62
6300.00	0.95	221.33	6299.08	10.04	-66.91	-48.02	0.11	82.36	215.87
6400.00	0.99	225.73	6399.06	10.01	-68.13	-49.19	0.08	84.03	215.83
6500.00	1.29	218.57	6499.04	10.05	-69.82	-50.51	0.33	86.01	215.96
6548.00	1.41	225.44	6547.03	10.06	-70.45	-51.27	0.42	87.13	216.04



Scientific
Drilling

Field: Nash Draw
Site: Eddy County, NM
Well: Poker Lake #239H
Wellpath: VH - Job #32K0808651
Survey: 08/24/08

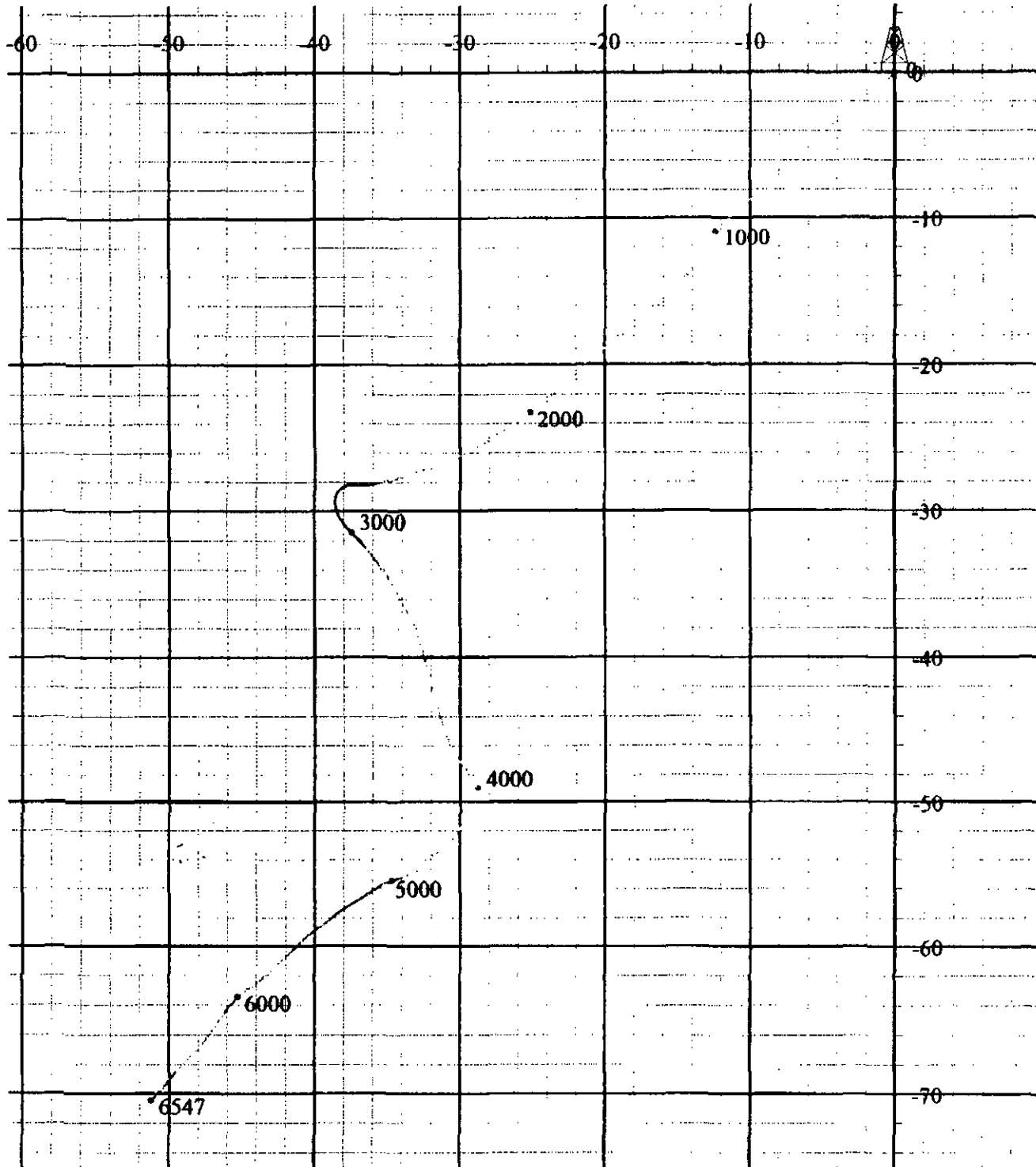
GTM



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 09/16/2008
Model: igrf2000

West(-)/East(+) [10ft/in]



South(-)/North(+) [10ft/in]