



Energen Resources

Navajo Lake

Miller Mesa

Navajo Lake #102

→ Lower Lateral

45-34115

Design: Lower Lateral #1

PathFinder X&Y Report

17 July, 2007

RCVD JUL25'07

OIL CONS. DIV.

DIST. 3

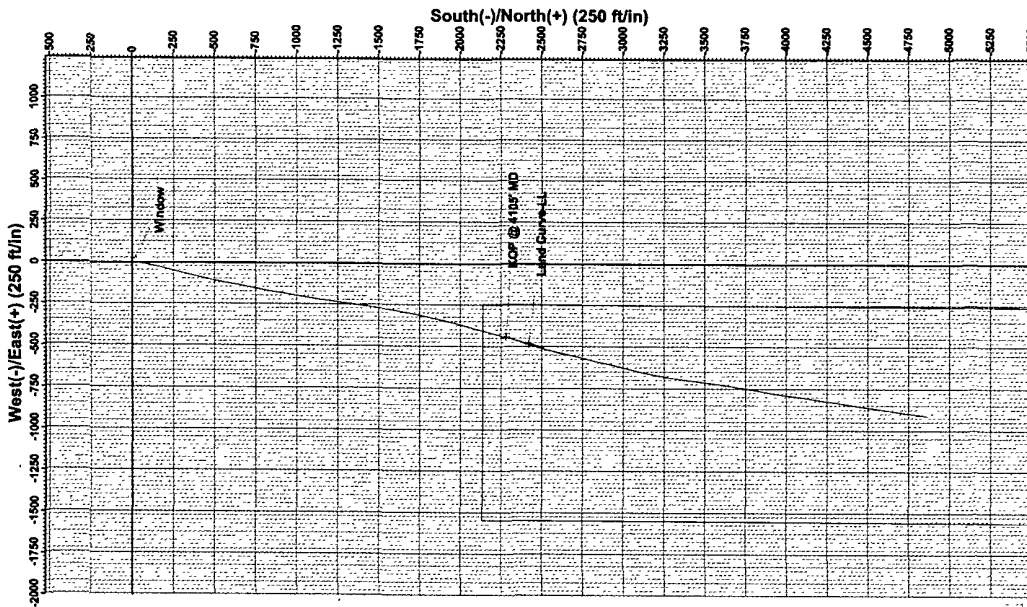
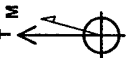
Surface 1485 / S 415 / E Sec 10 32N 6W
BHL1 985 / N 1002 / E Sec 15
BHL2 1929 / S 1324 / E Sec 15

MD 14308 TVD 1 2829
MD 26741 TVD 2 2853



Project: Navajo Lake
 Site: Miller Mesa
 Well: Navajo Lake #102
 Wellbore: Lower Lateral
 Design: Lower Lateral (Navajo Lake #102/Lower Lateral)

Admuths to True North
 Magnetic North: 10.33°
 Magnetic Field
 Strength: 51391 A/mT
 Dip Angle: 63.88°
 Date: 12/12/2008
 Model: IGRF200510



WELL DETAILS: Navajo Lake #102

Ground Elevation: 6182.0
 RKB Elevation: KB @ 6197.0R (AWS 222)
 Rig Name: AWS 222

	+N/S	+E/W	North	East	Latitude	Longitude	Slot
	0.0	0.0	2180551.31	2833676.43	36° 59' 30.120 N	107° 26' 15.180 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

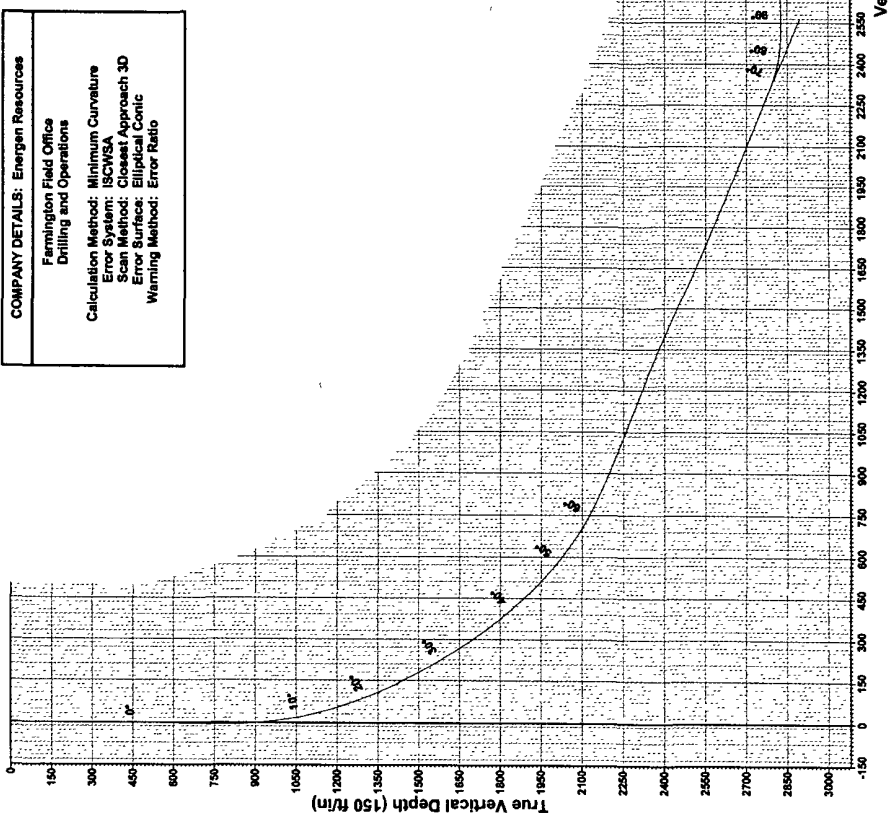
Name	TVD	+N/S	+E/W	North	East	Shape
Window	1.0	0.0	0.0	2180551.31	2833676.43	Rectangle (Side: L3994.0 W1299.0)
KOP @ 4105' MD	2795.0	-2284.9	-441.9	2178264.59	2838244.03	Point
Land Curve-LL	2824.0	-2424.0	-480.6	2178125.33	2838205.91	Point
TD Lower Lateral	2824.0	-6033.4	-1111.4	2174513.34	2837590.12	Point

COMPANY DETAILS: Energen Resources

Farmington Field Office
 Drilling and Operations
 Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

PROJECT DETAILS: Navajo Lake

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Local North: True



Company: Energen Resources
Project: Navajo Lake
Site: Miller Mesa
Well: Navajo Lake #102
Wellbore: Lower Lateral
Design: Lower Lateral

Local Co-ordinate Reference: Well Navajo Lake #102
TVD Reference: KB @ 6197.0ft (AWS 222)
MD Reference: KB @ 6197.0ft (AWS 222)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: 200316 NWDB

Project	Navajo Lake	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	Miller Mesa				
Site Position:		Northing:	2,180,551.31 ft	Latitude:	36° 59' 30.120 N
From:	Lat/Long	Easting:	2,838,676.43 ft	Longitude:	107° 26' 15.180 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.24 °

Well	Navajo Lake #102				
Well Position	+N/-S 0.0 ft	Northing:	2,180,551.31 ft	Latitude:	36° 59' 30.120 N
	+E/-W 0.0 ft	Easting:	2,838,676.43 ft	Longitude:	107° 26' 15.180 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	6,182.0 ft	Ground Level:	6,182.0 ft

Wellbore	Lower Lateral				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	12/12/2006	10.33	63.85	51,391

Design	Lower Lateral				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	4,092.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	190.42	

Company: Energen Resources
 Project: Navajo Lake
 Site: Miller Mesa
 Well: Navajo Lake #102
 Wellbore: Lower Lateral
 Design: Lower Lateral

Local Co-ordinate Reference: Well Navajo Lake #102
 TVD Reference: KB @ 6197.0ft (AWS 222)
 MD Reference: KB @ 6197.0ft (AWS 222)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: 200316 NWDB

Survey Program		Date 07/17/2007									
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description							
440.0	4,092.0	Survey #1 (Motherbore)	Pathfinder	Pathfinder MWD							
		Survey #1 (Lower Lateral)	Pathfinder	Pathfinder MWD							

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.0	0.00	0.00	0.0	-6,197.0	0.0	0.0	0.0	0.00	2,180,551.31	2,838,676.43
Window										
440.0	0.00	0.00	440.0	-5,757.0	0.0	0.0	0.0	0.00	2,180,551.31	2,838,676.43
473.0	0.79	16.66	473.0	-5,724.0	0.2	0.1	-0.2	2.39	2,180,551.53	2,838,676.50
594.0	0.88	9.36	594.0	-5,603.0	1.9	0.5	-2.0	0.12	2,180,553.25	2,838,676.88
655.0	0.79	16.39	655.0	-5,542.0	2.8	0.7	-2.9	0.22	2,180,554.11	2,838,677.07
715.0	0.88	19.82	715.0	-5,482.0	3.6	0.9	-3.7	0.17	2,180,554.94	2,838,677.34
742.0	0.97	18.68	742.0	-5,455.0	4.0	1.1	-4.2	0.34	2,180,555.36	2,838,677.48
802.0	0.09	149.55	802.0	-5,395.0	4.5	1.3	-4.6	1.72	2,180,555.80	2,838,677.67
864.0	2.99	179.87	863.9	-5,333.1	2.8	1.3	-3.0	4.70	2,180,554.14	2,838,677.70
925.0	5.63	183.56	924.8	-5,272.2	-1.8	1.1	1.5	4.35	2,180,549.56	2,838,677.54
986.0	7.83	181.01	985.3	-5,211.7	-8.9	0.8	8.6	3.64	2,180,542.42	2,838,677.31
1,047.0	10.29	182.33	1,045.6	-5,151.4	-18.5	0.5	18.1	4.05	2,180,532.82	2,838,677.05
1,106.0	12.66	185.32	1,103.4	-5,093.6	-30.2	-0.3	29.8	4.14	2,180,521.11	2,838,676.29
1,166.0	15.21	186.90	1,161.6	-5,035.4	-44.6	-1.8	44.2	4.30	2,180,506.74	2,838,674.79
1,227.0	17.76	189.27	1,220.1	-4,976.9	-61.7	-4.3	61.5	4.32	2,180,489.60	2,838,672.40
1,289.0	19.87	191.56	1,278.8	-4,918.2	-81.4	-7.9	81.4	3.61	2,180,469.93	2,838,668.85
1,350.0	22.25	190.68	1,335.7	-4,861.3	-102.9	-12.1	103.4	3.94	2,180,448.40	2,838,664.72
1,409.0	24.62	190.77	1,389.8	-4,807.2	-125.9	-16.5	126.8	4.02	2,180,425.33	2,838,660.45
1,472.0	26.20	192.44	1,446.7	-4,750.3	-152.4	-22.0	153.8	2.75	2,180,398.83	2,838,655.11
1,533.0	27.79	193.41	1,501.1	-4,695.9	-179.4	-28.2	181.5	2.70	2,180,371.82	2,838,649.03

Company: Energen Resources
Project: Navajo Lake
Site: Miller Mesa
Well: Navajo Lake #102
Wellbore: Lower Lateral
Design: Lower Lateral

Local Co-ordinate Reference: Well Navajo Lake #102
TVD Reference: KB @ 6197.0ft (AWS 222)
MD Reference: KB @ 6197.0ft (AWS 222)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: 200316 NWDB

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
1,595.0	29.72	194.29	1,555.5	-4,641.5	-208.3	-35.3	211.3	3.19	2,180,342.84	2,838,642.00	
1,656.0	31.48	194.46	1,608.0	-4,589.0	-238.4	-43.0	242.3	2.89	2,180,312.73	2,838,634.42	
1,718.0	32.36	193.49	1,660.6	-4,536.4	-270.2	-50.9	275.0	1.64	2,180,280.89	2,838,626.63	
1,781.0	34.47	192.97	1,713.2	-4,483.8	-304.0	-58.9	309.6	3.38	2,180,247.08	2,838,618.84	
1,844.0	37.20	193.41	1,764.2	-4,432.8	-339.9	-67.3	346.5	4.35	2,180,211.14	2,838,610.57	
1,905.0	39.39	193.58	1,812.1	-4,384.9	-376.6	-76.1	384.2	3.59	2,180,174.35	2,838,601.90	
1,967.0	41.24	193.93	1,859.4	-4,337.6	-415.6	-85.6	424.2	3.01	2,180,135.35	2,838,592.52	
2,028.0	43.53	192.61	1,904.4	-4,292.6	-455.6	-95.1	465.3	4.03	2,180,095.29	2,838,583.26	
2,091.0	46.43	191.39	1,949.0	-4,248.0	-499.2	-104.3	509.8	4.80	2,180,051.70	2,838,574.20	
2,153.0	48.89	191.03	1,990.7	-4,206.3	-544.1	-113.2	555.6	3.99	2,180,006.71	2,838,565.48	
2,217.0	52.14	190.24	2,031.4	-4,165.6	-592.7	-122.3	605.0	5.17	2,179,958.13	2,838,556.57	
2,280.0	55.31	191.12	2,068.7	-4,128.3	-642.6	-131.7	655.8	5.16	2,179,908.19	2,838,547.36	
2,343.0	57.95	191.12	2,103.4	-4,093.6	-694.2	-141.9	708.4	4.19	2,179,856.53	2,838,537.43	
2,406.0	61.91	190.86	2,134.9	-4,062.1	-747.7	-152.3	762.9	6.30	2,179,802.97	2,838,527.26	
2,469.0	65.07	189.98	2,163.0	-4,034.0	-803.1	-162.5	819.3	5.17	2,179,747.49	2,838,517.30	
2,529.0	66.04	189.80	2,187.9	-4,009.1	-857.0	-171.8	873.9	1.64	2,179,693.65	2,838,508.15	
2,592.0	67.62	189.45	2,212.7	-3,984.3	-914.1	-181.5	931.8	2.56	2,179,636.50	2,838,498.70	
2,654.0	68.24	189.01	2,235.9	-3,961.1	-970.8	-190.7	989.3	1.20	2,179,579.75	2,838,489.72	
2,717.0	68.32	189.10	2,259.3	-3,937.7	-1,028.6	-200.0	1,047.8	0.18	2,179,521.92	2,838,480.75	
2,779.0	68.32	188.75	2,282.2	-3,914.8	-1,085.5	-208.9	1,105.4	0.52	2,179,464.96	2,838,472.05	
2,840.0	68.32	188.92	2,304.7	-3,892.3	-1,141.5	-217.6	1,162.0	0.26	2,179,408.92	2,838,463.58	
2,900.0	67.71	187.96	2,327.2	-3,869.8	-1,196.5	-225.8	1,217.6	1.80	2,179,353.85	2,838,455.64	
2,962.0	67.27	187.52	2,350.9	-3,846.1	-1,253.3	-233.5	1,274.8	0.97	2,179,297.06	2,838,448.16	
3,025.0	66.83	187.78	2,375.5	-3,821.5	-1,310.8	-241.2	1,332.8	0.80	2,179,239.54	2,838,440.68	
3,088.0	66.39	187.52	2,400.5	-3,796.5	-1,368.1	-248.9	1,390.5	0.79	2,179,182.20	2,838,433.22	
3,151.0	66.13	188.13	2,425.8	-3,771.2	-1,425.2	-256.8	1,448.2	0.98	2,179,125.03	2,838,425.60	
3,214.0	66.04	187.96	2,451.4	-3,745.6	-1,482.2	-264.8	1,505.7	0.29	2,179,067.98	2,838,417.78	

Company: Energen Resources
 Project: Navajo Lake
 Site: Miller Mesa
 Well: Navajo Lake #102
 Wellbore: Lower Lateral
 Design: Lower Lateral

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 MD Reference: KB @ 6197.0ft (AWS 222)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: 200316 NWDB

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
3,277.0	66.04	188.48	2,477.0	-3,720.0	-1,539.2	-273.0	1,563.2	0.75	2,179,010.96	2,838,409.79
3,340.0	65.69	188.92	2,502.7	-3,694.3	-1,596.1	-281.7	1,620.7	0.85	2,178,954.10	2,838,401.33
3,402.0	66.74	189.89	2,527.7	-3,669.3	-1,652.0	-291.0	1,677.4	2.22	2,178,898.09	2,838,392.29
3,465.0	66.83	190.86	2,552.6	-3,644.4	-1,709.0	-301.4	1,735.3	1.42	2,178,841.09	2,838,382.10
3,528.0	66.74	191.65	2,577.4	-3,619.6	-1,765.8	-312.7	1,793.2	1.16	2,178,784.26	2,838,371.03
3,592.0	67.09	192.53	2,602.5	-3,594.5	-1,823.3	-325.1	1,852.1	1.38	2,178,726.64	2,838,358.94
3,654.0	67.80	192.79	2,626.3	-3,570.7	-1,879.2	-337.6	1,909.3	1.21	2,178,670.73	2,838,346.62
3,717.0	67.88	193.49	2,650.0	-3,547.0	-1,936.0	-350.9	1,967.5	1.04	2,178,613.85	2,838,333.60
3,780.0	68.85	194.29	2,673.3	-3,523.7	-1,992.9	-364.9	2,026.0	1.94	2,178,556.95	2,838,319.77
3,841.0	68.06	195.34	2,695.7	-3,501.3	-2,047.7	-379.5	2,082.6	2.06	2,178,502.04	2,838,305.49
3,904.0	68.24	194.29	2,719.1	-3,477.9	-2,104.2	-394.4	2,140.9	1.57	2,178,445.45	2,838,290.78
3,967.0	68.15	194.37	2,742.5	-3,454.5	-2,160.9	-408.9	2,199.2	0.19	2,178,388.71	2,838,276.54
4,029.0	67.80	194.81	2,765.8	-3,431.2	-2,216.5	-423.4	2,256.6	0.87	2,178,333.03	2,838,262.29
4,092.0	67.36	195.43	2,789.8	-3,407.2	-2,272.8	-438.5	2,314.6	1.15	2,178,276.75	2,838,247.33
4,105.6	68.97	195.75	2,794.8	-3,402.2	-2,284.9	-441.9	2,327.1	12.06	2,178,264.62	2,838,244.00
KOP @ 4105' MD										
4,218.0	82.31	198.24	2,822.7	-3,374.3	-2,388.8	-473.8	2,435.1	12.06	2,178,160.58	2,838,212.60
4,249.0	84.68	198.24	2,826.2	-3,370.8	-2,418.0	-483.4	2,465.6	7.65	2,178,131.29	2,838,203.08
4,253.8	85.00	198.00	2,826.6	-3,370.4	-2,422.5	-484.9	2,470.3	8.31	2,178,126.77	2,838,201.62
Land Curve-LL										
4,308.0	88.64	195.34	2,829.6	-3,367.4	-2,474.4	-500.4	2,524.1	8.31	2,178,074.84	2,838,186.31
4,368.0	91.89	194.02	2,829.3	-3,367.7	-2,532.4	-515.6	2,583.9	5.85	2,178,016.75	2,838,171.35
4,431.0	92.07	192.53	2,827.2	-3,369.8	-2,593.7	-530.1	2,646.8	2.38	2,177,955.41	2,838,157.14
4,494.0	90.75	192.70	2,825.6	-3,371.4	-2,655.2	-543.8	2,709.7	2.11	2,177,893.90	2,838,143.65
4,558.0	88.99	192.97	2,825.8	-3,371.2	-2,717.6	-558.0	2,773.7	2.78	2,177,831.44	2,838,129.69
4,623.0	89.78	193.41	2,826.5	-3,370.5	-2,780.9	-572.9	2,838.6	1.39	2,177,768.10	2,838,115.12
4,686.0	89.34	192.35	2,826.9	-3,370.1	-2,842.3	-586.9	2,901.5	1.82	2,177,706.63	2,838,101.33

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Wellbore: Lower Lateral
Design: Lower Lateral

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Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
4,750.0	89.16	192.26	2,827.8	-3,369.2	-2,904.8	-600.6	2,965.5	0.31	2,177,644.05	2,838,087.96
4,813.0	90.13	193.05	2,828.2	-3,368.8	-2,966.3	-614.4	3,028.5	1.99	2,177,582.52	2,838,074.41
4,877.0	88.81	194.02	2,828.8	-3,368.2	-3,028.5	-629.3	3,092.4	2.56	2,177,520.24	2,838,059.69
4,940.0	89.34	193.32	2,829.8	-3,367.2	-3,089.7	-644.2	3,155.2	1.39	2,177,458.97	2,838,045.06
5,003.0	89.87	190.59	2,830.2	-3,366.8	-3,151.3	-657.3	3,218.2	4.41	2,177,397.29	2,838,032.27
5,067.0	89.69	190.95	2,830.5	-3,366.5	-3,214.2	-669.2	3,282.2	0.63	2,177,334.37	2,838,020.57
5,131.0	89.69	188.84	2,830.8	-3,366.2	-3,277.2	-680.2	3,346.2	3.30	2,177,271.28	2,838,009.83
5,195.0	90.66	188.13	2,830.6	-3,366.4	-3,340.5	-689.7	3,410.2	1.88	2,177,207.95	2,838,000.65
5,258.0	90.66	187.08	2,829.9	-3,367.1	-3,403.0	-698.0	3,473.1	1.67	2,177,145.47	2,837,992.58
5,322.0	90.66	186.64	2,829.1	-3,367.9	-3,466.5	-705.7	3,537.0	0.69	2,177,081.90	2,837,985.20
5,385.0	90.13	187.17	2,828.7	-3,368.3	-3,529.0	-713.2	3,599.8	1.19	2,177,019.33	2,837,977.88
5,448.0	89.25	187.34	2,829.0	-3,368.0	-3,591.5	-721.2	3,662.7	1.42	2,176,956.81	2,837,970.19
5,509.0	89.69	188.04	2,829.6	-3,367.4	-3,652.0	-729.3	3,723.7	1.36	2,176,896.32	2,837,962.28
5,573.0	88.72	189.10	2,830.5	-3,366.5	-3,715.3	-738.9	3,787.6	2.24	2,176,833.01	2,837,953.00
5,637.0	88.55	189.19	2,832.0	-3,365.0	-3,778.4	-749.0	3,851.6	0.30	2,176,769.80	2,837,943.10
5,701.0	90.22	189.89	2,832.7	-3,364.3	-3,841.5	-759.7	3,915.6	2.83	2,176,706.64	2,837,932.75
5,765.0	88.90	190.07	2,833.2	-3,363.8	-3,904.6	-770.7	3,979.6	2.08	2,176,643.57	2,837,921.92
5,828.0	86.44	187.08	2,835.8	-3,361.2	-3,966.8	-780.1	4,042.5	6.14	2,176,581.30	2,837,912.80
5,892.0	89.08	187.80	2,838.3	-3,358.7	-4,030.2	-788.4	4,106.3	4.28	2,176,517.86	2,837,904.78
5,955.0	89.52	188.57	2,839.0	-3,358.0	-4,092.6	-797.4	4,169.3	1.41	2,176,455.47	2,837,896.07
6,019.0	89.87	188.13	2,839.4	-3,357.6	-4,155.9	-806.7	4,233.2	0.88	2,176,392.11	2,837,887.04
6,082.0	89.52	188.13	2,839.7	-3,357.3	-4,218.2	-815.6	4,296.2	0.56	2,176,329.71	2,837,878.39
6,146.0	88.99	188.31	2,840.5	-3,356.5	-4,281.6	-824.7	4,360.1	0.87	2,176,266.33	2,837,869.51
6,209.0	89.43	188.75	2,841.4	-3,355.6	-4,343.9	-834.1	4,423.1	0.99	2,176,204.00	2,837,860.42
6,272.0	88.20	188.40	2,842.7	-3,354.3	-4,406.2	-843.5	4,486.0	2.03	2,176,141.68	2,837,851.29
6,336.0	89.78	187.96	2,843.8	-3,353.2	-4,469.5	-852.6	4,550.0	2.56	2,176,078.31	2,837,842.45
6,400.0	90.48	187.96	2,843.7	-3,353.3	-4,532.9	-861.4	4,613.9	1.09	2,176,014.89	2,837,833.85

Company: Energen Resources
 Project: Navajo Lake
 Site: Miller Mesa
 Well: Navajo Lake #102
 Wellbore: Lower Lateral
 Design: Lower Lateral

Local Co-ordinate Reference: Well Navajo Lake #102
 TVD Reference: KB @ 6197.0ft (AWS 222)
 MD Reference: KB @ 6197.0ft (AWS 222)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: 200316 NWDB

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
6,464.0	88.81	188.13	2,844.1	-3,352.9	-4,596.2	-870.4	4,677.9	2.62	2,175,951.48	2,837,825.16
6,528.0	88.99	188.22	2,845.3	-3,351.7	-4,659.6	-879.5	4,741.8	0.31	2,175,888.11	2,837,816.32
6,592.0	86.44	187.96	2,847.9	-3,349.1	-4,722.9	-888.5	4,805.7	4.00	2,175,824.76	2,837,807.58
6,655.0	88.90	187.96	2,850.4	-3,346.6	-4,785.2	-897.2	4,868.6	3.90	2,175,762.39	2,837,799.13
6,697.0	88.46	187.78	2,851.4	-3,345.6	-4,826.8	-903.0	4,910.5	1.13	2,175,720.77	2,837,793.55
6,741.0	88.46	187.78	2,852.6	-3,344.4	-4,870.4	-908.9	4,954.5	0.00	2,175,677.17	2,837,787.78

TD Lower Lateral

Targets
Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TD Lower Lateral	0.00	0.24	2,824.0	-6,033.4	-1,111.4	2,174,513.34	2,837,590.12	36° 58' 30.461 N	107° 26' 28.877 W
- actual wellpath misses by 1180.8ft at 6741.0ft MD (2852.6 TVD, -4870.4 N, -908.9 E)									
- Point									
KOP @ 4105' MD	0.00	0.24	2,795.0	-2,284.9	-441.9	2,178,264.59	2,838,244.03	36° 59' 7.527 N	107° 26' 20.627 W
- actual wellpath hits target									
- Point									
Window	0.00	0.24	0.0	0.0	0.0	2,180,551.31	2,838,676.43	36° 59' 30.120 N	107° 26' 15.180 W
- actual wellpath hits target									
- Rectangle (sides W3,994.0 H1,299.0 D0.0)									
Land Curve-LL	0.00	0.24	2,824.0	-2,424.0	-480.6	2,178,125.33	2,838,205.91	36° 59' 6.151 N	107° 26' 21.104 W
- actual wellpath misses by 5.2ft at 4253.6ft MD (2826.6 TVD, -2422.4 N, -484.8 E)									
- Point									

Checked By: _____ Approved By: _____ Date: _____