

# PathFinder Survey Report

<b>Company:</b> COG Operating Company LLC	<b>Date:</b> 1/30/2006	<b>Time:</b> 08:15:46	<b>Page:</b> 1
<b>Field:</b> Buffalo Hunt 21 #1	<b>Co-ordinate(NE) Reference:</b> Site: Buffalo Hunt 21 #1, True North		
<b>Site:</b> Buffalo Hunt 21 #1	<b>Vertical (TVD) Reference:</b> SITE 0.0		
<b>Well:</b> Buffalo Hunt 21 #1	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,360.00Azi)		
<b>Wellpath:</b> Original Well Path	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> Sybase	

<b>Field:</b> Buffalo Hunt 21 #1 Chaves County, New Mexico		
<b>Map System:</b> US State Plane Coordinate System 1927	<b>Map Zone:</b> New Mexico, Eastern Zone	
<b>Geo Datum:</b> NAD27 (Clarke 1866)	<b>Coordinate System:</b> Site Centre	
<b>Sys Datum:</b> Mean Sea Level	<b>Geomagnetic Model:</b> igrf2005	

**Site:** Buffalo Hunt 21 #1  
Section 21, T-13S & R-27E  
1980' FEL & 660' FSL

<b>Site Position:</b>	<b>Northing:</b> 789536.77 ft	<b>Latitude:</b> 33 10 13.600 N
<b>From:</b> Map	<b>Easting:</b> 528771.80 ft	<b>Longitude:</b> 104 14 21.500 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True
<b>Ground Level:</b> 0.00 ft		<b>Grid Convergence:</b> 0.05 deg

<b>Well:</b> Buffalo Hunt 21 #1	<b>Slot Name:</b>
<b>Well Position:</b>	
<b>+N/-S</b> 0.00 ft <b>Northing:</b> 789536.77 ft	<b>Latitude:</b> 33 10 13.600 N
<b>+E/-W</b> 0.00 ft <b>Easting :</b> 528771.80 ft	<b>Longitude:</b> 104 14 21.500 W
<b>Position Uncertainty:</b> 0.00 ft	

<b>Wellpath:</b> Original Well Path	<b>Drilled From:</b> Surface
<b>Current Datum:</b> SITE	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 12/29/2005	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 49699 nT	<b>Declination:</b> 8.61 deg
<b>Vertical Section:</b> Depth From (TVD)	<b>Mag Dip Angle:</b> 61.08 deg
ft	<b>+N/-S</b> ft
0.00	0.00
	<b>+E/-W</b> ft
	0.00
	<b>Direction</b> deg
	360.00

<b>Survey:</b> Pathfinder MWD Survey	<b>Start Date:</b> 12/29/2005
<b>Company:</b> Pathfinder Energy Services	<b>Engineer:</b> Marty Schmidt
<b>Tool:</b>	<b>Tied-to:</b> From: Gyro Survey

**Survey:** Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5100.00	0.75	29.96	5099.63	-2.10	26.84	-2.10	0.00	0.00	0.00	Tie on to Multi-Shot Gyro
5110.00	1.76	17.14	5109.62	-1.89	26.92	-1.89	10.42	10.10	-128.20	
5120.00	2.63	13.95	5119.62	-1.52	27.02	-1.52	8.83	8.75	-31.88	KOP @ 5120'MD Start of 11
5142.00	4.57	11.25	5141.57	-0.17	27.31	-0.17	8.83	8.80	-12.28	
5173.00	8.18	6.76	5172.38	3.23	27.81	3.23	11.75	11.65	-14.48	
5205.00	12.31	3.34	5203.86	8.90	28.28	8.90	13.04	12.91	-10.69	
5237.00	16.80	1.23	5234.82	16.93	28.58	16.93	14.13	14.03	-6.59	
5269.00	20.58	0.88	5265.13	27.18	28.76	27.18	11.82	11.81	-1.09	
5301.00	24.01	2.28	5294.73	39.31	29.11	39.31	10.85	10.72	4.37	
5332.00	25.41	2.63	5322.90	52.26	29.66	52.26	4.54	4.52	1.13	
5364.00	27.79	2.81	5351.51	66.57	30.34	66.57	7.44	7.44	0.56	
5396.00	30.86	3.16	5379.40	82.22	31.16	82.22	9.61	9.59	1.09	
5428.00	34.21	3.25	5406.38	99.40	32.12	99.40	10.47	10.47	0.28	
5459.00	37.99	3.42	5431.42	117.63	33.19	117.63	12.20	12.19	0.55	
5491.00	42.30	3.34	5455.87	138.22	34.40	138.22	13.47	13.47	-0.25	
5523.00	46.43	2.72	5478.75	160.56	35.58	160.56	12.98	12.91	-1.94	
5554.00	50.03	1.49	5499.39	183.66	36.42	183.66	11.98	11.61	-3.97	
5586.00	53.55	1.14	5519.18	208.79	37.00	208.79	11.03	11.00	-1.09	
5618.00	57.07	1.05	5537.39	235.10	37.50	235.10	11.00	11.00	-0.28	
5649.00	60.50	1.14	5553.46	261.60	38.01	261.60	11.07	11.06	0.29	
5681.00	64.19	0.96	5568.31	289.94	38.53	289.94	11.54	11.53	-0.56	
5684.92	64.70	0.89	5570.00	293.47	38.58	293.47	12.99	12.90	-1.67	PBHL Buffalo Hunt 21 #1
5713.00	68.32	0.44	5581.19	319.22	38.88	319.22	12.99	12.91	-1.62	
5744.00	71.93	0.09	5591.73	348.37	39.02	348.37	11.69	11.65	-1.13	

Company: COG Operating Company LLC.	Date: 1/30/2006	Time: 08:15:46	Page: 2
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Site: Buffalo Hunt 21 #1	Vertical (TVD) Reference:	SITE 0.0	
Well: Buffalo Hunt 21 #1	Section (VS) Reference:	Well (0.00N,0.00E,360.00Azi)	
Wellpath: Original Well Path	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5776.00	75.71	0.09	5600.64	379.09	39.06	379.09	11.81	11.81	0.00	
5817.00	81.60	0.44	5608.70	419.27	39.25	419.27	14.39	14.37	0.85	
5848.00	85.03	0.17	5612.31	450.06	39.42	450.06	11.10	11.06	-0.87	
5880.00	86.79	0.44	5614.60	481.97	39.59	481.97	5.56	5.50	0.84	
5899.00	87.68	1.01	5615.51	500.95	39.83	500.95	5.56	4.69	3.00	EOC 5899'MD / 5610'TVD
5912.00	88.29	1.40	5615.97	513.94	40.10	513.94	5.56	4.69	3.00	
5943.00	88.81	1.67	5616.75	544.92	40.93	544.92	1.89	1.68	0.87	
5975.00	88.81	1.40	5617.42	576.90	41.79	576.90	0.84	0.00	-0.84	
6007.00	88.90	1.40	5618.06	608.88	42.57	608.88	0.28	0.28	0.00	
6039.00	90.22	1.23	5618.30	640.87	43.30	640.87	4.16	4.12	-0.53	
6070.00	90.48	1.49	5618.11	671.86	44.04	671.86	1.19	0.84	0.84	
6102.00	90.40	1.32	5617.87	703.85	44.82	703.85	0.59	-0.25	-0.53	
6134.00	90.40	1.58	5617.64	735.84	45.63	735.84	0.81	0.00	0.81	
6165.00	90.48	1.84	5617.41	766.83	46.56	766.83	0.88	0.26	0.84	
6197.00	90.75	1.93	5617.06	798.81	47.61	798.81	0.89	0.84	0.28	
6229.00	91.01	1.49	5616.57	830.79	48.56	830.79	1.60	0.81	-1.37	
6260.00	91.54	1.58	5615.88	861.77	49.39	861.77	1.73	1.71	0.29	
6292.00	92.24	1.84	5614.83	893.74	50.35	893.74	2.33	2.19	0.81	
6324.00	91.89	1.67	5613.67	925.70	51.33	925.70	1.22	-1.09	-0.53	
6355.00	91.28	1.40	5612.82	956.68	52.16	956.68	2.15	-1.97	-0.87	
6387.00	91.36	0.96	5612.08	988.67	52.82	988.67	1.40	0.25	-1.37	
6419.00	91.89	0.96	5611.17	1020.65	53.35	1020.65	1.66	1.66	0.00	
6450.00	90.04	0.88	5610.65	1051.64	53.85	1051.64	5.97	-5.97	-0.26	
6482.00	90.31	1.32	5610.55	1083.63	54.47	1083.63	1.61	0.84	1.37	
6514.00	89.60	1.14	5610.58	1115.63	55.15	1115.63	2.29	-2.22	-0.56	
6545.00	87.85	0.17	5611.27	1146.61	55.51	1146.61	6.45	-5.65	-3.13	
6577.00	88.29	0.00	5612.34	1178.60	55.55	1178.60	1.47	1.37	-0.53	
6609.00	90.66	0.44	5612.64	1210.59	55.68	1210.59	7.53	7.41	1.37	
6640.00	92.24	0.35	5611.85	1241.58	55.89	1241.58	5.11	5.10	-0.29	
6672.00	92.59	0.88	5610.50	1273.55	56.23	1273.55	1.98	1.09	1.66	
6704.00	91.98	0.44	5609.23	1305.52	56.60	1305.52	2.35	-1.91	-1.37	
6735.00	91.19	0.26	5608.37	1336.51	56.79	1336.51	2.61	-2.55	-0.58	
6767.00	90.48	0.17	5607.90	1368.51	56.91	1368.51	2.24	-2.22	-0.28	
6799.00	89.52	359.56	5607.90	1400.50	56.84	1400.50	3.55	-3.00	-1.91	
6831.00	89.43	359.29	5608.20	1432.50	56.51	1432.50	0.89	-0.28	-0.84	
6862.00	91.28	0.17	5608.01	1463.50	56.37	1463.50	6.61	5.97	2.84	
6894.00	91.89	0.35	5607.12	1495.49	56.51	1495.49	1.99	1.91	0.56	
6926.00	91.54	0.26	5606.16	1527.47	56.68	1527.47	1.13	-1.09	-0.28	
6957.00	91.19	359.82	5605.42	1558.46	56.71	1558.46	1.81	-1.13	-1.42	
6989.00	91.01	359.65	5604.81	1590.46	56.56	1590.46	0.77	-0.56	-0.53	
7020.00	90.92	359.29	5604.29	1621.45	56.27	1621.45	1.20	-0.29	-1.16	
7052.00	92.33	359.82	5603.38	1653.44	56.02	1653.44	4.71	4.41	1.66	
7084.00	92.77	0.44	5601.96	1685.40	56.09	1685.40	2.37	1.37	1.94	
7116.00	92.59	0.17	5600.46	1717.37	56.27	1717.37	1.01	-0.56	-0.84	
7147.00	92.95	0.44	5598.96	1748.33	56.43	1748.33	1.45	1.16	0.87	
7179.00	93.21	0.52	5597.24	1780.28	56.70	1780.28	0.85	0.81	0.25	
7209.00	93.56	0.44	5595.47	1810.23	56.95	1810.23	1.20	1.17	-0.27	
7240.00	91.98	0.35	5593.97	1841.19	57.16	1841.19	5.11	-5.10	-0.29	
7272.00	91.45	0.17	5593.02	1873.18	57.31	1873.18	1.75	-1.66	-0.56	
7304.00	91.36	0.00	5592.23	1905.17	57.35	1905.17	0.60	-0.28	-0.53	
7335.00	91.28	359.73	5591.52	1936.16	57.28	1936.16	0.91	-0.26	-0.87	
7367.00	90.75	359.03	5590.95	1968.15	56.94	1968.15	2.74	-1.66	-2.19	
7399.00	90.92	359.29	5590.48	2000.15	56.47	2000.15	0.97	0.53	0.81	

**PathFinder**  
Survey Report

Company: COG Operating Company LLC	Date: 1/30/2006	Time: 08:15:46	Page: 3
Field: Buffalo Hunt 21 #1	Co-ordinate(NE) Reference:	Site: Buffalo Hunt 21 #1, True North	
Site: Buffalo Hunt 21 #1	Vertical (TVD) Reference:	SITE 0.0	
Well: Buffalo Hunt 21 #1	Section (VS) Reference:	Well (0.00N,0.00E,360.00Azi)	
Wellpath: Original Well Path	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Pathfinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7431.00	91.63	359.64	5589.77	2032.14	56.17	2032.14	2.47	2.22	1.09	
7462.00	91.80	359.56	5588.84	2063.12	55.95	2063.12	0.61	0.55	-0.26	
7494.00	91.98	0.00	5587.79	2095.10	55.83	2095.10	1.48	0.56	1.38	
7526.00	92.24	359.91	5586.61	2127.08	55.80	2127.08	0.86	0.81	-0.28	
7557.00	91.89	359.73	5585.49	2158.06	55.71	2158.06	1.27	-1.13	-0.58	
7589.00	90.66	0.88	5584.78	2190.05	55.88	2190.05	5.26	-3.84	3.59	
7621.00	90.92	1.67	5584.34	2222.04	56.59	2222.04	2.60	0.81	2.47	
7653.00	90.75	1.49	5583.87	2254.03	57.47	2254.03	0.77	-0.53	-0.56	
7684.00	90.66	0.88	5583.49	2285.02	58.11	2285.02	1.99	-0.29	-1.97	
7716.00	90.66	1.14	5583.12	2317.01	58.68	2317.01	0.81	0.00	0.81	
7748.00	90.75	0.96	5582.73	2349.00	59.26	2349.00	0.63	0.28	-0.56	
7779.00	91.19	1.40	5582.21	2379.99	59.90	2379.99	2.01	1.42	1.42	
7811.00	91.10	2.02	5581.57	2411.97	60.85	2411.97	1.96	-0.28	1.94	
7843.00	91.45	2.28	5580.85	2443.94	62.06	2443.94	1.36	1.09	0.81	
7874.00	90.92	2.11	5580.21	2474.91	63.24	2474.91	1.80	-1.71	-0.55	
7906.00	90.31	2.90	5579.87	2506.88	64.64	2506.88	3.12	-1.91	2.47	
7938.00	90.22	2.81	5579.72	2538.84	66.23	2538.84	0.40	-0.28	-0.28	
7969.00	90.22	2.46	5579.60	2569.80	67.66	2569.80	1.13	0.00	-1.13	
8001.00	90.66	2.90	5579.36	2601.77	69.16	2601.77	1.94	1.37	1.37	
8033.00	90.13	2.37	5579.14	2633.73	70.63	2633.73	2.34	-1.66	-1.66	
8061.00	88.46	1.58	5579.48	2661.71	71.59	2661.71	6.60	-5.96	-2.82	
8096.00	87.58	1.23	5580.69	2696.68	72.45	2696.68	2.71	-2.51	-1.00	
8128.00	87.32	0.52	5582.11	2728.65	72.94	2728.65	2.36	-0.81	-2.22	
8159.00	86.88	0.17	5583.68	2759.60	73.12	2759.60	1.81	-1.42	-1.13	
8191.00	86.97	0.00	5585.40	2791.56	73.17	2791.56	0.60	0.28	-0.53	
8222.00	88.55	359.91	5586.61	2822.53	73.15	2822.53	5.11	5.10	-0.29	
8254.00	88.20	359.73	5587.52	2854.52	73.05	2854.52	1.23	-1.09	-0.56	
8286.00	89.25	0.00	5588.23	2886.51	72.97	2886.51	3.39	3.28	0.84	
8318.00	89.52	359.64	5588.57	2918.51	72.87	2918.51	1.41	0.84	-1.13	
8349.00	90.22	0.17	5588.64	2949.51	72.82	2949.51	2.83	2.26	1.71	
8381.00	88.81	0.09	5588.91	2981.51	72.89	2981.51	4.41	-4.41	-0.25	
8413.00	87.85	359.91	5589.85	3013.49	72.89	3013.49	3.05	-3.00	-0.56	
8444.00	88.11	0.00	5590.94	3044.47	72.87	3044.47	0.89	0.84	0.29	
8476.00	87.93	0.35	5592.05	3076.46	72.97	3076.46	1.23	-0.56	1.09	
8508.00	88.11	0.44	5593.15	3108.44	73.19	3108.44	0.63	0.56	0.28	
8540.00	89.52	1.49	5593.81	3140.42	73.72	3140.42	5.49	4.41	3.28	
8571.00	90.13	1.40	5593.91	3171.41	74.51	3171.41	1.99	1.97	-0.29	
8603.00	90.22	1.58	5593.81	3203.40	75.34	3203.40	0.63	0.28	0.56	
8635.00	91.01	2.11	5593.47	3235.38	76.37	3235.38	2.97	2.47	1.66	
8666.00	91.10	1.93	5592.90	3266.36	77.46	3266.36	0.65	0.29	-0.58	
8698.00	91.10	1.84	5592.28	3298.33	78.51	3298.33	0.28	0.00	-0.28	
8730.00	91.10	1.93	5591.67	3330.31	79.57	3330.31	0.28	0.00	0.28	
8761.00	91.10	1.67	5591.07	3361.29	80.54	3361.29	0.84	0.00	-0.84	
8793.00	91.10	2.19	5590.46	3393.27	81.62	3393.27	1.62	0.00	1.62	
8825.00	91.10	1.67	5589.84	3425.24	82.69	3425.24	1.62	0.00	-1.62	
8856.00	91.89	2.02	5589.03	3456.22	83.69	3456.22	2.79	2.55	1.13	
8888.00	91.80	1.67	5588.00	3488.18	84.72	3488.18	1.13	-0.28	-1.09	
8920.00	91.80	2.19	5587.00	3520.15	85.80	3520.15	1.62	0.00	1.62	
8951.00	91.80	2.28	5586.03	3551.11	87.01	3551.11	0.29	0.00	0.29	
8983.00	92.42	1.58	5584.85	3583.07	88.08	3583.07	2.92	1.94	-2.19	
9015.00	92.86	0.79	5583.37	3615.03	88.75	3615.03	2.82	1.37	-2.47	
9072.00	92.86	0.79	5580.53	3671.95	89.53	3671.95	0.00	0.00	0.00	Projection To BHL @ 9072

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<b>Site:</b> Buffalo Hunt 21 #1	<b>Vertical (TVD) Reference:</b>	SITE 0-0	
<b>Well:</b> Buffalo Hunt 21 #1	<b>Section (VS) Reference:</b>	Well (0.00N,0.00E,360.00Azi)	
<b>Wellpath:</b> Original Well Path	<b>Survey Calculation Method:</b>	Minimum Curvature	<b>Db:</b> Sybase

**Targets**

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude			Longitude				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
PBHL Buffalo Hunt 21 #1			5570.00	3960.00	100.00	793496.86	528868.24	33	10	52.784	N	104	14	20.323	W

**Annotation**

MD ft	TVD ft	
5100.00	5099.63	Tie on to Multi-Shot Gyro
5120.00	5119.62	KOP @ 5120'MD Start of 11.54° Build
5899.00	5615.51	EOC 5899'MD / 5610'TVD @90.66°
9072.00	5580.53	Projection To BHL @ 9072' MD

# COG Operating, LLC.

## Buffalo Hunt "21" #1

### Section 21, T13-S, R 27-E

#### Chaves County, New Mexico

#### Final PP W/ Surveys

Survey: Pathfinder NVD Survey (Buffalo Hunt 21 #1/Original Well Path)

No	MD	Inc	Ar	TVD	+N/S	+E/W	Dt/Δ	TFace	Vtace
1	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
2	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
3	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
4	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
5	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
6	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
7	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
8	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
9	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
10	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
11	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
12	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
13	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
14	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
15	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
16	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
17	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
18	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
19	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
20	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
21	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
22	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
23	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
24	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
25	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
26	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
27	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
28	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
29	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
30	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
31	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
32	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
33	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
34	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
35	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
36	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
37	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
38	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
39	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
40	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
41	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
42	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
43	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
44	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
45	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
46	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
47	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
48	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
49	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
50	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
51	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00
52	5100.00	0.75	20.96	5090.63	-2.10	26.84	0.00	0.00	0.00

Survey: Pathfinder NVD Survey (Buffalo Hunt 21 #1/Original Well Path)

No	MD	Inc	Ar	TVD	+N/S	+E/W	Dt/Δ	TFace	Vtace
53	6735.00	0.119	6.26	5608.37	1332.61	134.51	0.44	157.17	1404.31
54	6742.00	0.048	6.17	5607.90	1346.31	134.51	2.24	-172.73	1404.31
55	6759.00	0.032	3.95	5607.90	1400.50	134.51	36.84	-147.57	1404.31
56	6831.00	0.43	3.92	5608.20	1432.30	143.30	36.81	-108.44	1432.30
57	6842.00	0.18	6.17	5608.01	1465.50	146.50	6.61	146.50	1465.50
58	6878.00	0.14	6.28	5608.16	1527.47	152.75	26.84	-117.53	1527.47
59	6897.00	0.11	3.99	5605.42	1558.46	155.84	36.81	-178.30	1558.46
60	6900.00	0.01	3.99	5604.81	1598.46	159.84	36.86	-156.64	1598.46
61	6900.00	0.01	3.99	5604.81	1621.45	162.15	36.87	-164.04	1621.45
62	6900.00	0.01	3.99	5604.81	1644.44	164.44	36.89	-171.44	1644.44
63	6900.00	0.01	3.99	5604.81	1667.43	166.74	36.91	-178.84	1667.43
64	6900.00	0.01	3.99	5604.81	1690.42	169.04	36.93	-186.24	1690.42
65	6900.00	0.01	3.99	5604.81	1713.41	171.34	36.95	-193.64	1713.41
66	6900.00	0.01	3.99	5604.81	1736.40	173.64	36.97	-201.04	1736.40
67	6900.00	0.01	3.99	5604.81	1759.39	175.97	36.99	-208.44	1759.39
68	6900.00	0.01	3.99	5604.81	1782.38	178.28	37.01	-215.84	1782.38
69	6900.00	0.01	3.99	5604.81	1805.37	180.57	37.03	-223.24	1805.37
70	6900.00	0.01	3.99	5604.81	1828.36	182.86	37.05	-230.64	1828.36
71	6900.00	0.01	3.99	5604.81	1851.35	185.15	37.07	-238.04	1851.35
72	6900.00	0.01	3.99	5604.81	1874.34	187.44	37.09	-245.44	1874.34
73	6900.00	0.01	3.99	5604.81	1897.33	189.73	37.11	-252.84	1897.33
74	6900.00	0.01	3.99	5604.81	1920.32	192.02	37.13	-260.24	1920.32
75	6900.00	0.01	3.99	5604.81	1943.31	194.31	37.15	-267.64	1943.31
76	6900.00	0.01	3.99	5604.81	1966.30	196.60	37.17	-275.04	1966.30
77	6900.00	0.01	3.99	5604.81	1989.29	198.92	37.19	-282.44	1989.29
78	6900.00	0.01	3.99	5604.81	2012.28	201.28	37.21	-289.84	2012.28
79	6900.00	0.01	3.99	5604.81	2035.27	203.57	37.23	-297.24	2035.27
80	6900.00	0.01	3.99	5604.81	2058.26	205.86	37.25	-304.64	2058.26
81	6900.00	0.01	3.99	5604.81	2081.25	208.15	37.27	-312.04	2081.25
82	6900.00	0.01	3.99	5604.81	2104.24	210.44	37.29	-319.44	2104.24
83	6900.00	0.01	3.99	5604.81	2127.23	212.73	37.31	-326.84	2127.23
84	6900.00	0.01	3.99	5604.81	2150.22	215.02	37.33	-334.24	2150.22
85	6900.00	0.01	3.99	5604.81	2173.21	217.31	37.35	-341.64	2173.21
86	6900.00	0.01	3.99	5604.81	2196.20	219.60	37.37	-349.04	2196.20
87	6900.00	0.01	3.99	5604.81	2219.19	221.91	37.39	-356.44	2219.19
88	6900.00	0.01	3.99	5604.81	2242.18	224.21	37.41	-363.84	2242.18
89	6900.00	0.01	3.99	5604.81	2265.17	226.51	37.43	-371.24	2265.17
90	6900.00	0.01	3.99	5604.81	2288.16	228.81	37.45	-378.64	2288.16
91	6900.00	0.01	3.99	5604.81	2311.15	231.15	37.47	-386.04	2311.15
92	6900.00	0.01	3.99	5604.81	2334.14	233.41	37.49	-393.44	2334.14
93	6900.00	0.01	3.99	5604.81	2357.13	235.71	37.51	-400.84	2357.13
94	6900.00	0.01	3.99	5604.81	2380.12	238.01	37.53	-408.24	2380.12
95	6900.00	0.01	3.99	5604.81	2403.11	240.31	37.55	-415.64	2403.11
96	6900.00	0.01	3.99	5604.81	2426.10	242.60	37.57	-423.04	2426.10
97	6900.00	0.01	3.99	5604.81	2449.09	244.91	37.59	-430.44	2449.09
98	6900.00	0.01	3.99	5604.81	2472.08	247.21	37.61	-437.84	2472.08
99	6900.00	0.01	3.99	5604.81	2495.07	249.51	37.63	-445.24	2495.07
100	6900.00	0.01	3.99	5604.81	2518.06	251.81	37.65	-452.64	2518.06
101	6900.00	0.01	3.99	5604.81	2541.05	254.11	37.67	-460.04	2541.05
102	6900.00	0.01	3.99	5604.81	2564.04	256.41	37.69	-467.44	2564.04
103	6900.00	0.01	3.99	5604.81	2587.03	258.71	37.71	-474.84	2587.03
104	6900.00	0.01	3.99	5604.81	2610.02	261.01	37.73	-482.24	2610.02
105	6900.00	0.01	3.99	5604.81	2633.01	263.31	37.75	-489.64	2633.01
106	6900.00	0.01	3.99	5604.81	2656.00	265.60	37.77	-497.04	2656.00
107	6900.00	0.01	3.99	5604.81	2678.99	267.91	37.79	-504.44	2678.99
108	6900.00	0.01	3.99	5604.81	2701.98	270.21	37.81	-511.84	2701.98
109	6900.00	0.01	3.99	5604.81	2724.97	272.51	37.83	-519.24	2724.97
110	6900.00	0.01	3.99	5604.81	2747.96	274.81	37.85	-526.64	2747.96
111	6900.00	0.01	3.99	5604.81	2770.95	277.11	37.87	-534.04	2770.95
112	6900.00	0.01	3.99	5604.81	2793.94	279.41	37.89	-541.44	2793.94
113	6900.00	0.01	3.99						