

I General

1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

1.2 Well Information

Well	RWF 34-36	Wellbore No.	
Well Name	RWF 34-36	Common Name	RWF 34-36
Project	RU 36-06S-094W	Site	RWF 33-36 Pad
Vertical Section	157.22 (°)	North Reference	True
Azimuth		Origin E/W	
Origin N/S		UWI	RWF 34-36
Spud Date	6/25/2013		
Active Datum	KB @6,554.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	
Date Started	6/25/2013	Ended	
Tool Name	MWD	Engineer	

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
6/25/2013	Tie On	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/25/2013	NORMAL	86.0	0.18	85.43	86.00	0.01	0.13	0.04	0.21	0.21	0.00	85.43
	NORMAL	179.0	1.94	151.87	178.98	-1.37	1.02	1.66	2.02	1.89	71.44	71.49
	NORMAL	269.0	3.70	168.66	268.87	-5.56	2.31	6.02	2.14	1.96	18.66	33.69
	NORMAL	360.0	6.51	166.99	359.50	-13.46	4.05	13.98	3.09	3.09	-1.84	356.14
	NORMAL	449.0	10.29	158.47	447.53	-25.78	8.11	26.91	4.46	4.25	-9.57	337.52
	NORMAL	540.0	12.93	158.64	536.66	-42.82	14.80	45.21	2.90	2.90	0.19	0.83
	NORMAL	631.0	15.48	154.95	624.88	-63.31	23.65	67.53	2.97	2.80	-4.05	338.65
6/26/2013	NORMAL	701.0	17.67	156.45	691.96	-81.52	31.85	87.49	3.19	3.13	2.14	11.78
	NORMAL	792.0	20.40	154.25	777.98	-108.47	44.26	117.14	3.10	3.00	-2.42	344.23
	NORMAL	883.0	22.42	157.06	862.70	-138.74	57.92	150.34	2.49	2.22	3.09	28.24
	NORMAL	973.0	24.71	156.62	945.19	-171.81	72.07	186.32	2.55	2.54	-0.49	355.4'
	NORMAL	1,064.0	26.12	154.95	1,027.38	-207.42	88.10	225.36	1.74	1.55	-1.84	332.30
	NORMAL	1,127.0	27.61	154.60	1,083.58	-233.17	100.24	253.80	2.38	2.37	-0.56	353.78
6/27/2013	NORMAL	1,255.0	28.41	154.47	1,196.58	-287.44	126.08	313.84	0.63	0.63	-0.10	355.58
	NORMAL	1,350.0	26.21	155.64	1,280.99	-326.95	144.48	357.39	2.38	-2.32	1.23	166.8'
	NORMAL	1,446.0	26.03	154.60	1,367.19	-365.29	162.26	399.63	0.51	-0.19	-1.08	248.07
	NORMAL	1,542.0	26.36	157.21	1,453.33	-403.97	179.55	441.98	1.25	0.34	2.72	75.19
	NORMAL	1,637.0	26.00	157.15	1,538.58	-442.61	195.81	483.90	0.38	-0.38	-0.06	184.18
	NORMAL	1,733.0	25.51	156.92	1,625.05	-481.01	212.08	525.61	0.52	-0.51	-0.24	191.42
	NORMAL	1,828.0	26.08	159.09	1,710.58	-519.34	227.55	566.94	1.16	0.60	2.28	59.86

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
6/27/2013	NORMAL	1,922.0	25.90	159.02	1,795.08	-557.81	242.28	608.11	0.19	-0.19	-0.07	189.64
	NORMAL	2,017.0	26.20	158.38	1,880.43	-596.68	257.43	649.82	0.43	0.32	-0.67	316.58
6/28/2013	NORMAL	2,113.0	25.78	158.11	1,966.72	-635.75	273.03	691.88	0.45	-0.44	-0.28	195.61
	NORMAL	2,203.0	26.29	157.94	2,047.58	-672.39	287.81	731.38	0.57	0.57	-0.19	351.60
	NORMAL	2,302.0	26.98	157.23	2,136.08	-713.41	304.73	775.76	0.77	0.70	-0.72	334.92
	NORMAL	2,398.0	27.26	157.24	2,221.52	-753.77	321.67	819.52	0.29	0.29	0.01	0.94
	NORMAL	2,493.0	27.32	156.72	2,305.95	-793.85	338.70	863.07	0.26	0.06	-0.55	283.89
	NORMAL	2,589.0	27.33	156.42	2,391.24	-834.29	356.22	907.14	0.14	0.01	-0.31	274.02
	NORMAL	2,685.0	26.89	157.12	2,476.69	-874.49	373.48	950.88	0.57	-0.46	0.73	144.37
	NORMAL	2,777.0	26.63	157.10	2,558.84	-912.65	389.59	992.31	0.28	-0.28	-0.02	181.97
	NORMAL	2,871.0	26.91	157.32	2,642.76	-951.68	405.99	1,034.65	0.32	0.30	0.23	19.59
	NORMAL	2,966.0	26.89	157.89	2,727.48	-991.42	422.37	1,077.63	0.27	-0.02	0.60	94.69
	NORMAL	3,062.0	26.74	157.81	2,813.16	-1,031.53	438.70	1,120.93	0.16	-0.16	-0.08	193.49
	NORMAL	3,157.0	26.56	157.06	2,898.07	-1,070.88	455.05	1,163.54	0.40	-0.19	-0.79	241.52
	NORMAL	3,252.0	26.20	156.09	2,983.18	-1,109.61	471.82	1,205.75	0.59	-0.38	-1.02	229.69
	NORMAL	3,348.0	25.59	155.13	3,069.54	-1,147.80	489.13	1,247.65	0.77	-0.64	-1.00	214.07
	NORMAL	3,443.0	26.03	157.94	3,155.06	-1,185.73	505.59	1,289.00	1.37	0.46	2.96	71.49
	NORMAL	3,539.0	26.24	158.04	3,241.25	-1,224.93	521.44	1,331.29	0.22	0.22	0.10	11.89
	NORMAL	3,635.0	26.07	157.97	3,327.42	-1,264.17	537.29	1,373.60	0.18	-0.18	-0.07	190.26
	NORMAL	3,730.0	26.03	157.59	3,412.77	-1,302.79	553.06	1,415.32	0.18	-0.04	-0.40	256.35
	NORMAL	3,826.0	24.71	156.80	3,499.51	-1,340.71	569.00	1,456.45	1.42	-1.38	-0.82	194.03
	NORMAL	3,921.0	23.65	154.25	3,586.17	-1,376.13	585.10	1,495.33	1.57	-1.12	-2.68	223.42
	NORMAL	4,017.0	22.07	153.37	3,674.63	-1,409.59	601.55	1,532.56	1.68	-1.65	-0.92	191.80
	NORMAL	4,112.0	20.49	153.37	3,763.15	-1,440.41	617.00	1,566.96	1.66	-1.66	0.00	180.00
	NORMAL	4,208.0	18.91	154.34	3,853.53	-1,469.46	631.27	1,599.26	1.68	-1.65	1.01	168.76
	NORMAL	4,304.0	18.91	153.98	3,944.35	-1,497.46	644.83	1,630.33	0.12	0.00	-0.38	269.83
	NORMAL	4,400.0	17.32	154.34	4,035.59	-1,524.32	657.85	1,660.13	1.66	-1.66	0.38	176.14
6/29/2013	NORMAL	4,495.0	15.30	155.57	4,126.76	-1,548.48	669.15	1,686.79	2.16	-2.13	1.29	170.89
	NORMAL	4,591.0	13.98	155.04	4,219.64	-1,570.53	679.29	1,711.04	1.38	-1.38	-0.55	185.54
	NORMAL	4,684.0	12.80	151.57	4,310.11	-1,589.77	688.93	1,732.52	1.53	-1.27	-3.73	212.58
	NORMAL	4,780.0	11.96	151.79	4,403.88	-1,607.89	698.70	1,753.00	0.88	-0.88	0.23	176.89
	NORMAL	4,876.0	10.28	149.13	4,498.07	-1,624.01	707.80	1,771.39	1.83	-1.75	-2.77	195.68
	NORMAL	4,971.0	8.75	156.17	4,591.77	-1,637.89	715.06	1,787.01	2.02	-1.61	7.41	146.18
	NORMAL	5,067.0	8.62	155.92	4,686.67	-1,651.14	720.95	1,801.50	0.14	-0.14	-0.26	196.07
	NORMAL	5,163.0	7.42	154.06	4,781.73	-1,663.29	726.60	1,814.88	1.28	-1.25	-1.94	191.28
	NORMAL	5,258.0	5.19	154.69	4,876.15	-1,672.69	731.12	1,825.30	2.35	-2.35	0.66	178.54
	NORMAL	5,354.0	4.97	154.05	4,971.77	-1,680.35	734.79	1,833.79	0.24	-0.23	-0.67	194.13
	NORMAL	5,448.0	3.34	155.92	5,065.52	-1,686.51	737.69	1,840.59	1.74	-1.73	1.99	176.18
	NORMAL	5,544.0	1.49	128.85	5,161.43	-1,689.85	739.81	1,844.49	2.21	-1.93	-28.20	198.62
	NORMAL	5,639.0	1.41	132.89	5,256.40	-1,691.42	741.63	1,846.64	0.14	-0.08	4.25	130.05
	NORMAL	5,733.0	0.70	100.20	5,350.39	-1,692.31	743.04	1,848.01	0.96	-0.76	-34.78	204.73
	NORMAL	5,829.0	0.62	80.86	5,446.38	-1,692.33	744.13	1,848.45	0.25	-0.08	-20.15	240.75
6/30/2013	NORMAL	5,923.0	0.62	118.83	5,540.37	-1,692.49	745.08	1,848.97	0.43	0.00	40.39	108.98
	NORMAL	6,017.0	0.70	127.35	5,634.37	-1,693.09	745.98	1,849.86	0.13	0.09	9.06	55.13
	NORMAL	6,113.0	0.19	111.12	5,730.36	-1,693.50	746.59	1,850.48	0.54	-0.53	-16.91	185.86
	NORMAL	6,208.0	0.30	332.37	5,825.36	-1,693.34	746.62	1,850.34	0.48	0.12	-146.05	205.45
	NORMAL	6,303.0	0.42	310.78	5,920.36	-1,692.89	746.24	1,849.78	0.19	0.13	-22.73	300.36
	NORMAL	6,399.0	0.26	328.27	6,016.36	-1,692.47	745.86	1,849.25	0.20	-0.17	18.22	155.57
7/1/2013	NORMAL	6,494.0	0.18	318.43	6,111.36	-1,692.18	745.65	1,848.90	0.09	-0.08	-10.36	200.42
	NORMAL	6,590.0	0.35	258.57	6,207.36	-1,692.13	745.26	1,848.70	0.32	0.18	-62.35	269.58
	NORMAL	6,683.0	0.62	233.53	6,300.36	-1,692.48	744.57	1,848.76	0.36	0.29	-26.92	308.37
	NORMAL	6,779.0	0.78	238.98	6,396.35	-1,693.13	743.60	1,848.98	0.18	0.17	5.68	25.33
	NORMAL	6,874.0	0.34	267.61	6,491.34	-1,693.47	742.76	1,848.97	0.54	-0.46	30.14	161.37
	NORMAL	6,969.0	0.62	292.41	6,586.34	-1,693.29	742.00	1,848.51	0.36	0.29	26.11	49.47
	NORMAL	7,064.0	0.35	7.12	6,681.34	-1,692.80	741.56	1,847.89	0.66	-0.28	78.64	147.39
	NORMAL	7,160.0	0.62	22.15	6,777.33	-1,692.03	741.80	1,847.27	0.31	0.28	15.66	32.87
	NORMAL	7,254.0	0.18	13.27	6,871.33	-1,691.42	742.02	1,846.79	0.47	-0.47	-9.45	183.60

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
7/1/2013	NORMAL	7,349.0	0.26	299.53	6,966.33	-1,691.17	741.87	1,846.50	0.29	0.08	-77.62	246.76
	NORMAL	7,445.0	0.18	237.57	7,062.33	-1,691.14	741.55	1,846.35	0.25	-0.08	-64.54	222.17
	NORMAL	7,540.0	0.88	100.37	7,157.33	-1,691.35	742.14	1,846.78	1.07	0.74	-144.42	215.91
	NORMAL	7,635.0	1.32	97.30	7,252.31	-1,691.62	743.95	1,847.72	0.47	0.46	-3.23	350.83
	NORMAL	7,732.0	1.32	99.67	7,349.28	-1,691.95	746.16	1,848.88	0.06	0.00	2.44	91.18
	NORMAL	7,827.0	1.14	103.18	7,444.26	-1,692.35	748.16	1,850.03	0.21	-0.19	3.69	159.03
7/2/2013	NORMAL	7,923.0	0.97	95.54	7,540.25	-1,692.65	749.89	1,850.97	0.23	-0.18	-7.96	215.83
	NORMAL	8,019.0	0.62	103.45	7,636.24	-1,692.85	751.21	1,851.66	0.38	-0.36	8.24	166.52
	NORMAL	8,114.0	0.53	123.93	7,731.23	-1,693.21	752.07	1,852.34	0.23	-0.09	21.56	123.66
	NORMAL	8,210.0	0.35	129.81	7,827.23	-1,693.65	752.67	1,852.97	0.19	-0.19	6.12	168.85
	NORMAL	8,306.0	0.18	100.37	7,923.23	-1,693.86	753.04	1,853.31	0.22	-0.18	-30.67	204.60
	NORMAL	8,400.0	0.18	117.86	8,017.23	-1,693.96	753.32	1,853.50	0.06	0.00	18.61	98.74
	NORMAL	8,493.0	0.18	110.48	8,110.23	-1,694.08	753.58	1,853.72	0.02	0.00	-7.94	266.31
	NORMAL	8,589.0	0.53	126.83	8,206.22	-1,694.39	754.08	1,854.20	0.38	0.36	17.03	24.42
	NORMAL	8,685.0	1.23	181.23	8,302.21	-1,695.69	754.41	1,855.53	1.06	0.73	56.67	79.46
	NORMAL	8,780.0	1.85	204.61	8,397.18	-1,698.10	753.75	1,857.50	0.92	0.65	24.81	57.47
	NORMAL	8,876.0	1.85	202.68	8,493.13	-1,700.94	752.51	1,859.63	0.06	0.00	-2.01	269.04
	NORMAL	8,971.0	2.37	205.93	8,588.07	-1,704.12	751.06	1,862.01	0.56	0.55	3.42	14.58
7/3/2013	NORMAL	86.0	0.18	85.43	86.00	0.01	0.13	0.04	0.00	0.00	0.00	0.00
	NORMAL	179.0	1.94	151.87	178.98	-1.37	1.02	1.66	0.00	0.00	0.00	0.00
	NORMAL	269.0	3.70	168.66	268.87	-5.56	2.31	6.02	0.00	0.00	0.00	0.00
	NORMAL	360.0	6.51	166.99	359.50	-13.46	4.05	13.98	0.00	0.00	0.00	0.00
	NORMAL	449.0	10.29	158.47	447.53	-25.78	8.11	26.91	0.00	0.00	0.00	0.00
	NORMAL	540.0	12.93	158.64	536.66	-42.82	14.80	45.21	0.00	0.00	0.00	0.00
	NORMAL	631.0	15.48	154.95	624.88	-63.31	23.65	67.53	2.97	2.80	-4.05	338.65
	NORMAL	701.0	17.67	156.45	691.96	-81.52	31.85	87.49	0.00	0.00	0.00	0.00
	NORMAL	792.0	20.40	154.25	777.98	-108.47	44.26	117.14	0.00	0.00	0.00	0.00
	NORMAL	883.0	22.42	157.06	862.70	-138.74	57.92	150.34	0.00	0.00	0.00	0.00
	NORMAL	973.0	24.71	156.62	945.19	-171.81	72.07	186.32	0.00	0.00	0.00	0.00
	NORMAL	1,064.0	26.12	154.95	1,027.38	-207.42	88.10	225.36	0.00	0.00	0.00	0.00
	NORMAL	1,127.0	27.61	154.60	1,083.58	-233.17	100.24	253.80	0.00	0.00	0.00	0.00
	NORMAL	1,255.0	28.41	154.47	1,196.58	-287.44	126.08	313.84	0.00	0.00	0.00	0.00
	NORMAL	1,350.0	26.21	155.64	1,280.99	-326.95	144.48	357.39	0.00	0.00	0.00	0.00
	NORMAL	1,446.0	26.03	154.60	1,367.19	-365.29	162.26	399.63	0.00	0.00	0.00	0.00
	NORMAL	1,542.0	26.36	157.21	1,453.33	-403.97	179.55	441.98	0.00	0.00	0.00	0.00
	NORMAL	1,637.0	26.00	157.15	1,538.58	-442.61	195.81	483.90	0.00	0.00	0.00	0.00
	NORMAL	1,733.0	25.51	156.92	1,625.05	-481.01	212.08	525.61	0.00	0.00	0.00	0.00
	NORMAL	1,828.0	26.08	159.09	1,710.58	-519.34	227.55	566.94	0.00	0.00	0.00	0.00
	NORMAL	1,922.0	25.90	159.02	1,795.08	-557.81	242.28	608.11	0.00	0.00	0.00	0.00
	NORMAL	2,017.0	26.20	158.38	1,880.43	-596.68	257.43	649.82	0.00	0.00	0.00	0.00
	NORMAL	2,113.0	25.78	158.11	1,966.72	-635.75	273.03	691.88	0.00	0.00	0.00	0.00
	NORMAL	2,203.0	26.29	157.94	2,047.58	-672.39	287.81	731.38	0.00	0.00	0.00	0.00
	NORMAL	2,302.0	26.98	157.23	2,136.08	-713.41	304.73	775.76	0.00	0.00	0.00	0.00
	NORMAL	2,398.0	27.26	157.24	2,221.52	-753.77	321.67	819.52	0.00	0.00	0.00	0.00
	NORMAL	2,493.0	27.32	156.72	2,305.95	-793.85	338.70	863.07	0.00	0.00	0.00	0.00
	NORMAL	2,589.0	27.33	156.42	2,391.24	-834.29	356.22	907.14	0.00	0.00	0.00	0.00
	NORMAL	2,685.0	26.89	157.12	2,476.69	-874.49	373.48	950.88	0.57	-0.46	0.73	144.37
	NORMAL	2,777.0	26.63	157.10	2,558.84	-912.65	389.59	992.31	0.28	-0.28	-0.02	181.97
	NORMAL	2,871.0	26.91	157.32	2,642.76	-951.68	405.99	1,034.65	0.32	0.30	0.23	19.59
	NORMAL	2,966.0	26.89	157.89	2,727.48	-991.42	422.37	1,077.63	0.00	0.00	0.00	0.00
	NORMAL	3,062.0	26.74	157.81	2,813.16	-1,031.53	438.70	1,120.93	0.00	0.00	0.00	0.00
	NORMAL	3,157.0	26.56	157.06	2,898.07	-1,070.88	455.05	1,163.54	0.00	0.00	0.00	0.00
	NORMAL	3,252.0	26.20	156.09	2,983.18	-1,109.61	471.82	1,205.75	0.00	0.00	0.00	0.00
	NORMAL	3,348.0	25.59	155.13	3,069.54	-1,147.80	489.13	1,247.65	0.00	0.00	0.00	0.00
	NORMAL	3,443.0	26.03	157.94	3,155.06	-1,185.73	505.59	1,289.00	0.00	0.00	0.00	0.00
	NORMAL	3,539.0	26.24	158.04	3,241.25	-1,224.93	521.44	1,331.29	0.00	0.00	0.00	0.00
	NORMAL	3,635.0	26.07	157.97	3,327.42	-1,264.17	537.29	1,373.60	0.00	0.00	0.00	0.00

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
7/3/2013	NORMAL	3,730.0	26.03	157.59	3,412.77	-1,302.79	553.06	1,415.32	0.00	0.00	0.00	0.00
	NORMAL	3,826.0	24.71	156.80	3,499.51	-1,340.71	569.00	1,456.45	0.00	0.00	0.00	0.00
	NORMAL	3,921.0	23.65	154.25	3,586.17	-1,376.13	585.10	1,495.33	0.00	0.00	0.00	0.00
	NORMAL	4,017.0	22.07	153.37	3,674.63	-1,409.59	601.55	1,532.56	0.00	0.00	0.00	0.00
	NORMAL	4,112.0	20.49	153.37	3,763.15	-1,440.41	617.00	1,566.96	0.00	0.00	0.00	0.00
	NORMAL	4,208.0	18.91	154.34	3,853.53	-1,469.46	631.27	1,599.26	0.00	0.00	0.00	0.00
	NORMAL	4,304.0	18.91	153.98	3,944.35	-1,497.46	644.83	1,630.33	0.00	0.00	0.00	0.00
	NORMAL	4,400.0	17.32	154.34	4,035.59	-1,524.32	657.85	1,660.13	0.00	0.00	0.00	0.00
	NORMAL	4,495.0	15.30	155.57	4,126.76	-1,548.48	669.15	1,686.79	0.00	0.00	0.00	0.00
	NORMAL	4,591.0	13.98	155.04	4,219.64	-1,570.53	679.29	1,711.04	0.00	0.00	0.00	0.00
	NORMAL	4,684.0	12.80	151.57	4,310.11	-1,589.77	688.93	1,732.52	0.00	0.00	0.00	0.00
	NORMAL	4,780.0	11.96	151.79	4,403.88	-1,607.89	698.70	1,753.00	0.88	-0.88	0.23	176.89
	NORMAL	4,876.0	10.28	149.13	4,498.07	-1,624.01	707.80	1,771.39	0.00	0.00	0.00	0.00
	NORMAL	4,971.0	8.75	156.17	4,591.77	-1,637.89	715.06	1,787.01	0.00	0.00	0.00	0.00
	NORMAL	5,067.0	8.62	155.92	4,686.67	-1,651.14	720.95	1,801.50	0.00	0.00	0.00	0.00
	NORMAL	5,163.0	7.42	154.06	4,781.73	-1,663.29	726.60	1,814.88	1.28	-1.25	-1.94	191.28
	NORMAL	5,258.0	5.19	154.69	4,876.15	-1,672.69	731.12	1,825.30	0.00	0.00	0.00	0.00
	NORMAL	5,354.0	4.97	154.05	4,971.77	-1,680.35	734.79	1,833.79	0.00	0.00	0.00	0.00
	NORMAL	5,448.0	3.34	155.92	5,065.52	-1,686.51	737.69	1,840.59	0.00	0.00	0.00	0.00
	NORMAL	5,544.0	1.49	128.85	5,161.43	-1,689.85	739.81	1,844.49	0.00	0.00	0.00	0.00
	NORMAL	5,639.0	1.41	132.89	5,256.40	-1,691.42	741.63	1,846.64	0.00	0.00	0.00	0.00
	NORMAL	5,733.0	0.70	100.20	5,350.39	-1,692.31	743.04	1,848.01	0.00	0.00	0.00	0.00
	NORMAL	5,829.0	0.62	80.86	5,446.38	-1,692.33	744.13	1,848.45	0.00	0.00	0.00	0.00
	NORMAL	5,923.0	0.62	118.83	5,540.37	-1,692.49	745.08	1,848.97	0.00	0.00	0.00	0.00
	NORMAL	6,017.0	0.70	127.35	5,634.37	-1,693.09	745.98	1,849.86	0.00	0.00	0.00	0.00
	NORMAL	6,113.0	0.19	111.12	5,730.36	-1,693.50	746.59	1,850.48	977,531.96	0.00	0.00	0.00
	NORMAL	6,208.0	0.30	332.37	5,825.36	-1,693.34	746.62	1,850.34	0.00	0.00	0.00	0.00
	NORMAL	6,303.0	0.42	310.78	5,920.36	-1,692.89	746.24	1,849.78	0.00	0.00	0.00	0.00
	NORMAL	6,399.0	0.26	328.27	6,016.36	-1,692.47	745.86	1,849.25	0.00	0.00	0.00	0.00
	NORMAL	6,494.0	0.18	318.43	6,111.36	-1,692.18	745.65	1,848.90	0.00	0.00	0.00	0.00
	NORMAL	6,590.0	0.35	258.57	6,207.36	-1,692.13	745.26	1,848.70	0.00	0.00	0.00	0.00
	NORMAL	6,683.0	0.62	233.53	6,300.36	-1,692.48	744.57	1,848.76	0.00	0.00	0.00	0.00
	NORMAL	6,779.0	0.79	238.98	6,396.35	-1,693.13	743.60	1,848.98	0.00	0.00	0.00	0.00
	NORMAL	6,874.0	0.34	267.61	6,491.34	-1,693.47	742.76	1,848.97	0.00	0.00	0.00	0.00
	NORMAL	6,969.0	0.62	292.41	6,586.34	-1,693.29	742.00	1,848.51	0.36	0.29	26.11	49.4'
	NORMAL	7,064.0	0.35	7.12	6,681.34	-1,692.80	741.56	1,847.89	0.66	-0.28	78.64	147.39
	NORMAL	7,160.0	0.62	22.15	6,777.33	-1,692.03	741.80	1,847.27	0.00	0.00	0.00	0.00
	NORMAL	7,254.0	0.18	13.27	6,871.33	-1,691.42	742.02	1,846.79	0.00	0.00	0.00	0.00
	NORMAL	7,349.0	0.26	299.53	6,966.33	-1,691.17	741.87	1,846.50	0.00	0.00	0.00	0.00
	NORMAL	7,445.0	0.18	237.57	7,062.33	-1,691.14	741.55	1,846.35	0.00	0.00	0.00	0.00
	NORMAL	7,540.0	0.88	100.37	7,157.33	-1,691.35	742.14	1,846.78	0.00	0.00	0.00	0.00
	NORMAL	7,636.0	1.32	97.30	7,253.31	-1,691.62	743.97	1,847.74	0.00	0.00	0.00	0.00
	NORMAL	7,732.0	1.32	99.67	7,349.28	-1,691.95	746.16	1,848.88	0.00	0.00	0.00	0.00
	NORMAL	7,827.0	1.14	103.18	7,444.26	-1,692.35	748.16	1,850.03	0.00	0.00	0.00	0.00
	NORMAL	7,923.0	0.97	95.54	7,540.25	-1,692.65	749.89	1,850.97	0.00	0.00	0.00	0.00
	NORMAL	8,019.0	0.62	103.45	7,636.24	-1,692.85	751.21	1,851.66	0.00	0.00	0.00	0.00
	NORMAL	8,114.0	0.53	123.93	7,731.23	-1,693.21	752.07	1,852.34	0.00	0.00	0.00	0.00
	NORMAL	8,210.0	0.35	129.81	7,827.23	-1,693.65	752.67	1,852.97	0.00	0.00	0.00	0.00
	NORMAL	8,306.0	0.18	100.37	7,923.23	-1,693.86	753.04	1,853.31	0.00	0.00	0.00	0.00
	NORMAL	8,400.0	0.18	117.86	8,017.23	-1,693.96	753.32	1,853.50	0.00	0.00	0.00	0.00
	NORMAL	8,493.0	0.18	110.48	8,110.23	-1,694.08	753.58	1,853.72	0.00	0.00	0.00	0.00
	NORMAL	8,589.0	0.53	126.83	8,206.22	-1,694.39	754.08	1,854.20	494,382.99	0.00	0.00	0.00
	NORMAL	8,685.0	1.23	181.23	8,302.21	-1,695.69	754.41	1,855.53	1.06	0.73	56.67	79.46
	NORMAL	8,780.0	1.85	204.61	8,397.18	-1,698.10	753.75	1,857.50	0.00	0.00	0.00	0.00
	NORMAL	8,876.0	1.85	202.68	8,493.13	-1,700.94	752.51	1,859.63	0.00	0.00	0.00	0.00
	NORMAL	8,971.0	2.37	205.93	8,588.07	-1,704.12	751.06	1,862.01	0.00	0.00	0.00	0.00
	NORMAL	9,067.0	2.73	210.76	8,683.97	-1,707.87	749.02	1,864.67	0.44	0.38	5.03	33.26

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLS (°/100ft)	Build Rate (°/100ft)	Turn (°/100ft)	TFace (°)
7/3/2013	NORMAL	9,123.0	2.73	210.06	8,739.91	-1,710.17	747.67	1,866.27	0.06	0.00	-1.25	269.65
	NORMAL	9,180.0	2.73	209.35	8,796.84	-1,712.53	746.33	1,867.92	0.06	0.00	-1.25	269.65