<i>r</i> ey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
139.0	0.22	275.21	139.0	0.0	-0.3	0.3	275.21
First MWD Surve	y @ 139.0'MD / 13	9.0' TVD					
323.0	0.62	312.04	323.0	0.7	-1.4	1.5	298.05
505.0	0.31	304.57	505.0	1.7	-2.5	3.0	303.68
691.0	0.40	307.47	691.0	2.3	-3.4	4.1	304.38
879.0	0.48	148.74	879.0	2.1	-3.5	4.1	300.33
1,068.0	0.40	138.98	1,068.0	0.9	-2.7	2.8	288.37
1,253.0	0.31	94.07	1,253.0	0.4	-1.8	1.8	281.85
1,442.0	0.48	182.93	1,442.0	-0.5	-1.3	1.4	250.66
1,632.0	0.48	175.19	1,632.0	-2.0	-1.3	2.4	211.92
1,820.0	0.53	144.69	1,820.0	-3.5	-0.7	3.6	191.26

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Survey							
MD Azimuth	Inc	Azi (azimuth)	TVD	N/S	E/W	Closure Distar	nce Closure
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°)

5,560.0		0.40	356.6	69	5,559	9.8	-0.	6	5.3		5.3	96.28
										5.2	5.5	107.12
5,203.0	0.40	17.78	5,202.8	-2.7	4.9	5.6	119.10	5,392.0	0.31	12.68	5,391.8	-1.6
5,015.0		0.13	9.0	69	5,014	1.8	-3.	6	4.7		5.9	127.34
4,827.0		0.13	239.2	26	4,826	8.8	-3.	7	4.8		6.1	127.26
4,639.0		0.35	241.	55	4,638	3.8	-3.	3	5.5		6.4	120.82
4,450.0		0.79	308.8	87	4,449	9.8	-3.	8	7.0		8.0	118.58
4,263.0		0.31	347.4	46	4,262	2.8	-5.	1	8.2		9.6	122.21
4,076.0		0.53	341.6	66	4,075	5.8	-6.	5	8.5		10.7	127.08
3,889.0		0.26	314.9	94	3,888	3.8	-7.	6	9.1		11.8	129.74
3,700.0		0.22	302.4	46	3,699	9.8	-8.	1	9.7		12.6	129.71
3,512.0		0.18	43.7	71	3,51	1.8	-8.	5	9.8		13.0	130.81
3,324.0		0.09	43.7	71	3,323	3.8	-8.	8	9.5		13.0	132.76
3,136.0		1.36	57.7	77	3,135	5.8	-10.	1	7.5		12.6	143.30
2,948.0		1.05	85.4	46	2,947	7.9	-11.	4	3.9		12.1	161.05
2,760.0		1.19	95.	12	2,759	9.9	-11.	4	0.3		11.4	178.69
2,573.0		0.97	211.	75	2,572	2.9	-9.	9	-0.8		9.9	184.88
2,384.0		0.48	192.9	95	2,383	3.9	-7.	7	0.2		7.7	178.69
2,195.0		0.48	190.4	48	2,194	1.9	-6.	2	0.5		6.2	175.39
2,007.0		0.44	143.9	99	2,007	.0	-4.	O	0.2		4.0	177.42