



SURVEY CALCULATION PROGRAM

Minimum Curvature

File:

OPERATOR: Lime Rock Resources		30-015-44495								Target Information					VS Referenced to Offset from Surface							
WELL: Terry 14G No. 7										TARGET KBTVD:		4300.00			NORTH/SOUTH:		0.00					
LOCATION: Eddy County, New Mexico										TARGET INCL:		0.00			EAST/WEST:		0.00					
RIG: United 33										TARGET AZM:		309.55			(Enter 0° N and 0° E for Surface)							
JOB NUMBER: Tx-18-003																						
SURVEY COMPANY							DIRECTIONAL COMPANY							PROPOSED DIRECTION:		309.55		Dec / Total Corr.(+/-):		7.30		
Accel Directional							Accel Directional							COMMENTS:								
Directional Drillers							COORDINATORS															
Chad Bass							Chris Shipp															
Dillon Dowdell							Corey Treadwell															
Lime Rock Resources							Terry 14G No. 7												Target Calculations			
		TRUE	TEMP	API	Course					Surface		CLOSURE		DLS/	BUR/	TVD AT 0'	ABOVE (+)	RIGHT(+)				
SVY	MD	INC	AZM	°F	Gamma	Length	TVD	N-S	E-W	Vert Sect	DIST	DIR	100'	100'	V. SEC.	BELOW (-)	LEFT(-)					
55	2.698	1.4	175.1			64	2662.81	220.44	-262.64	342.88	342.89	310.01	0.17	-0.16	#DIV/0!	#DIV/0!	2.74					
56	2.762	1.3	181.5			64	2726.80	218.93	-262.59	341.88	341.89	309.82	0.28	-0.16	#DIV/0!	#DIV/0!	1.61					
57	2.859	1.4	175.2			97	2823.77	216.65	-262.52	340.38	340.38	309.53	0.18	0.10	#DIV/0!	#DIV/0!	-0.11					
58	2.955	0.4	100.9			96	2919.76	215.42	-262.10	339.26	339.26	309.42	1.40	-1.04	#DIV/0!	#DIV/0!	-0.79					
59	3.025	0.4	64.4			70	2989.76	215.48	-261.64	338.95	338.95	309.47	0.36	0.00	#DIV/0!	#DIV/0!	-0.45					
60	3.089	0.4	82.3			64	3053.76	215.61	-261.21	338.70	338.70	309.54	0.19	0.00	#DIV/0!	#DIV/0!	-0.08					
61	3.152	0.5	73.5			63	3116.75	215.71	-260.73	338.40	338.40	309.60	0.19	0.16	#DIV/0!	#DIV/0!	0.31					
62	3.218	0.3	73.3			66	3182.75	215.84	-260.29	338.14	338.14	309.67	0.30	-0.30	#DIV/0!	#DIV/0!	0.69					
63	3.281	0.6	56.8			63	3245.75	216.07	-259.86	337.95	337.95	309.74	0.51	0.48	#DIV/0!	#DIV/0!	1.14					
64	3.377	0.7	70.6			96	3341.74	216.54	-258.88	337.50	337.51	309.91	0.19	0.10	#DIV/0!	#DIV/0!	2.13					
65	3.441	0.9	70.8			64	3405.74	216.84	-258.04	337.04	337.05	310.04	0.31	0.31	#DIV/0!	#DIV/0!	2.89					
66	3.537	1.0	65.1			96	3501.72	217.44	-256.57	336.39	336.31	310.28	0.14	0.10	#DIV/0!	#DIV/0!	4.29					
67	3.633	1.1	81.0			96	3597.71	217.94	-254.90	335.31	335.36	310.53	0.32	0.10	#DIV/0!	#DIV/0!	5.74					
68	3.697	1.0	95.0			64	3661.70	217.98	-253.73	334.45	334.51	310.67	0.43	-0.16	#DIV/0!	#DIV/0!	6.51					
69	3.729	0.9	97.8			32	3693.69	217.92	-253.21	334.00	334.07	310.72	0.34	-0.31	#DIV/0!	#DIV/0!	6.81					
70	3.793	0.2	8.4			64	3757.69	217.97	-252.69	333.63	333.71	310.78	1.44	-1.09	#DIV/0!	#DIV/0!	7.17					
71	3.857	0.5	303.6			64	3821.69	218.23	-252.91	333.97	334.05	310.79	0.71	0.47	#DIV/0!	#DIV/0!	7.23					
72	3.953	0.7	306.6			96	3917.68	218.81	-253.73	334.97	335.05	310.77	0.21	0.21	#DIV/0!	#DIV/0!	7.16					
73	4.048	0.7	307.0			95	4012.68	219.51	-254.66	336.13	336.21	310.76	0.01	0.00	#DIV/0!	#DIV/0!	7.10					
74	4.144	0.6	305.2			96	4108.67	220.15	-255.54	337.22	337.29	310.75	0.11	-0.10	#DIV/0!	#DIV/0!	7.04					
75	4.176	0.5	307.6			32	4140.67	220.33	-255.78	337.52	337.60	310.74	0.32	-0.31	#DIV/0!	#DIV/0!	7.02					
PTB	4.226	0.5	307.6			50	4190.67	220.60	-256.13	337.56	338.03	310.74	0.00	0.00	#DIV/0!	#DIV/0!	7.01					

John Crater

Lena Rutell