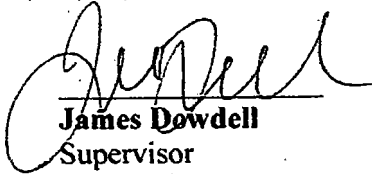


30-015-43813

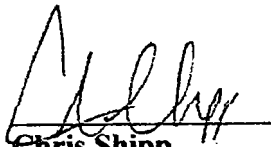


State of New Mexico
Eddy County

I, **James Dowdell**, certify that; I am employed by Accel Directional; that I did on the day(s) of **03/23/2018** through **03/28/2018** conduct or supervise the taking of MWD survey(s) from a depth of **403'** feet to a depth of **4885'** feet; that the data is true, correct, complete and within the limitations of the tool set forth by Accel Directional; that I am authorized and qualified to make this report; that this report was conducted at the request of **Limerock Resources** for the **Eagle 34C Fed #85, in Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Accel Directional.



James Dowdell
Supervisor



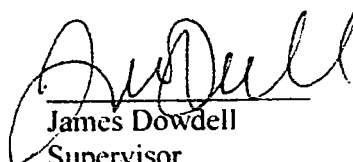
Chris Shipp
President

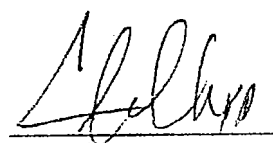


Enclosed, please find the original and one copy of the survey performed on the referenced well by Accel Directional, (Operator No. 301287) supervised by James Dowdell. Other information required by your office is as follows:

Name & Title of Supervisor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
James Dowdell		403' – 4885'	03/23/18 – 03/28/18	MWD

If any other information is required, please contact the undersigned.


James Dowdell
Supervisor
jdowdell@acceldirectional.com
832-401-3400


Chris Shipp
President
Cshipp@acceldirectional.com
936-900-6204



SURVEY CALCULATION PROGRAM

Minimum Curvature

File:

OPERATOR: Lime Rock Resources										Target Information				VS Referenced to Offset from Surface									
WELL: Eagle 34C Fed85										TARGET KBTVD:		4900.00 <th colspan="2">NORTH/SOUTH:</th> <td colspan="2">92.00</td>		NORTH/SOUTH:		92.00							
LOCATION: Artesia, New Mexico										TARGET INCL:		0.00		EAST/WEST:		-184.60							
RIG: United 33										TARGET AZM:		0.00		(Enter 0° N and 0° E for Surface)									
JOB NUMBER: TX-18-038										PROPOSED DIRECTION:				296.49		Dec / Total Corr.(+/-):		7.21					
SURVEY COMPANY					DIRECTIONAL COMPANY					COMMENTS:													
Accel Directional					Accel Directional																		
Directional Drillers					COORDINATORS																		
C. Tinkham					Chris Shipp																		
D. Dowdell					Corey Treadwell																		
Lime Rock Resources										Eagle 34C Fed85													
										Surface		CLOSURE		DLS/		BUR/		TVD AT 0'		ABOVE (+)		RIGHT(+)	
														100'		100'		V. SEC.		BELOW (-)		LEFT(-)	
SVY	MD	INC	AZM	TEMP	API	Course	Length	TVD	N-S	E-W	Vert Sect	DIST	DIR	100	100'								
Tie-In	0	0.0	0.0			N/A		0.00	0.00	0.00		0.00	0.00	N/A	N/A								
1	403	0.5	124.2			403	402.99	-0.99	1.45	-1.74	1.76	124.20	0.12	0.12			#DIV/0!	#DIV/0!	186.05				
2	435	0.5	124.2			32	434.99	-1.15	1.69	-2.02	2.04	124.20	0.00	0.00			#DIV/0!	#DIV/0!	186.29				
3	499	0.9	305.8			64	498.99	-1.01	1.51	-1.80	1.81	123.76	2.19	0.63			#DIV/0!	#DIV/0!	186.11				
4	563	3.1	320.0			64	562.95	0.61	-0.01	0.28	0.61	358.91	3.50	3.44			#DIV/0!	#DIV/0!	184.59				
5	626	5.1	316.7			63	625.78	3.95	-3.03	4.47	4.98	322.57	3.20	3.17			#DIV/0!	#DIV/0!	181.57				
6	722	5.5	309.8			96	721.38	10.01	-9.49	12.95	13.79	316.52	0.78	0.42			#DIV/0!	#DIV/0!	175.11				
7	786	5.7	298.0			64	785.07	13.46	-14.65	19.12	19.90	312.58	1.82	0.31			#DIV/0!	#DIV/0!	169.95				
8	850	5.5	295.8			64	848.77	16.29	-20.22	25.36	25.96	308.85	0.46	-0.31			#DIV/0!	#DIV/0!	164.38				
9	914	5.1	292.4			64	912.49	18.71	-25.61	31.27	31.71	306.15	0.79	-0.63			#DIV/0!	#DIV/0!	158.99				
10	1,010	4.9	290.1			96	1008.13	21.74	-33.41	39.60	39.86	303.06	0.29	-0.21			#DIV/0!	#DIV/0!	151.19				
11	1,106	5.2	294.4			96	1103.76	24.95	-41.22	48.02	48.18	301.19	0.50	0.31			#DIV/0!	#DIV/0!	143.38				
12	1,202	5.5	295.8			96	1199.34	28.75	-49.32	56.97	57.09	300.24	0.34	0.31			#DIV/0!	#DIV/0!	135.28				
13	1,298	5.5	296.7			96	1294.89	32.82	-57.57	66.17	66.27	299.68	0.09	0.00			#DIV/0!	#DIV/0!	127.03				
14	1,394	5.4	290.7			96	1390.46	36.48	-65.91	75.26	75.33	298.96	0.60	-0.10			#DIV/0!	#DIV/0!	118.69				
15	1,490	5.4	291.7			96	1486.04	39.75	-74.33	84.26	84.29	298.13	0.10	0.00			#DIV/0!	#DIV/0!	110.27				
16	1,586	5.4	287.7			96	1581.61	42.79	-82.83	93.22	93.23	297.32	0.39	0.00			#DIV/0!	#DIV/0!	101.77				
17	1,682	5.5	287.4			96	1677.18	45.54	-91.53	102.23	102.23	296.45	0.11	0.10			#DIV/0!	#DIV/0!	93.07				
18	1,778	5.6	292.2			96	1772.73	48.69	-100.25	111.44	111.45	295.90	0.49	0.10			#DIV/0!	#DIV/0!	84.35				
19	1,874	5.7	291.8			96	1868.26	52.23	-109.02	120.87	120.88	295.60	0.11	0.10			#DIV/0!	#DIV/0!	75.58				
20	1,970	5.9	293.3			96	1963.77	55.95	-117.97	130.54	130.57	295.37	0.26	0.21			#DIV/0!	#DIV/0!	66.63				
21	2,067	5.6	292.4			97	2060.28	59.72	-126.93	140.24	140.28	295.20	0.32	-0.31			#DIV/0!	#DIV/0!	57.67				
22	2,163	6.0	293.3			96	2155.79	63.49	-135.87	149.92	149.97	295.05	0.43	0.42			#DIV/0!	#DIV/0!	48.73				
23	2,258	5.2	302.3			95	2250.34	67.76	-144.07	159.16	159.20	295.19	1.25	-0.84			#DIV/0!	#DIV/0!	40.53				
24	2,355	5.2	302.3			97	2346.94	72.46	-151.50	167.91	167.93	295.56	0.00	0.00			#DIV/0!	#DIV/0!	33.10				
25	2,451	5.2	303.0			96	2442.54	77.15	-158.82	176.56	176.57	295.91	0.07	0.00			#DIV/0!	#DIV/0!	25.78				
26	2,546	5.2	306.0			95	2537.15	82.02	-165.92	185.08	185.08	296.31	0.29	0.00			#DIV/0!	#DIV/0!	18.68				
27	2,643	5.5	304.1			97	2633.73	87.21	-173.32	194.03	194.03	296.71	0.36	0.31			#DIV/0!	#DIV/0!	11.28				
28	2,739	4.7	296.7			96	2729.35	91.56	-180.65	202.52	202.52	296.88	1.08	-0.83			#DIV/0!	#DIV/0!	3.95				
29	2,770	4.2	284.4			31	2760.26	92.41	-182.88	204.90	204.90	296.81	3.47	-1.61			#DIV/0!	#DIV/0!	1.72				
30	2,802	3.1	275.1			32	2792.19	92.78	-184.88	206.85	206.85	296.65	3.89	-3.44			#DIV/0!	#DIV/0!	-0.28				
31	2,835	2.1	252.2			33	2825.16	92.68	-186.34	208.12	208.12	296.44	4.31	-3.03			#DIV/0!	#DIV/0!	-1.74				
32	2,905	0.4	245.1			70	2895.14	92.18	-187.78	209.19	209.19	296.15	2.43	-2.43			#DIV/0!	#DIV/0!	-3.18				
33	2,969	0.3	182.3			64	2959.14	91.92	-187.99	209.26	209.26	296.06	0.59	-0.16			#DIV/0!	#DIV/0!	-3.39				
34	3,064	0.5	179.4			95	3054.13	91.26	-188.00	208.97	208.98	295.89	0.21	0.21			#DIV/0!	#DIV/0!	-3.40				
35	3,159	0.4	168.9			95	3149.13	90.52	-187.93	208.57	208.59	295.72	0.14	-0.11			#DIV/0!	#DIV/0!	-3.33				
36	3,255	0.4	127.7			96	3245.13	89.98	-187.60	208.04	208.07	295.62	0.29	0.00			#DIV/0!	#DIV/0!	-3.00				
37	3,351	0.3	146.7			96	3341.13	89.57	-187.20	207.50	207.52	295.57	0.16	-0.10			#DIV/0!	#DIV/0!	-2.60				
38	3,415	0.3	137.3			64	3405.13	89.31	-186.99	207.19	207.22	295.53	0.08	0.00			#DIV/0!	#DIV/0!	-2.39				
39	3,511	0.5	124.9			96	3501.12	88.88	-186.48	206.55	206.58	295.48	0.23	0.21			#DIV/0!	#DIV/0!	-1.88				
40	3,607	0.4	96.9			96	3597.12	88.60	-185.80	205.82	205.85	295.49	0.25	-0.10			#DIV/0!	#DIV/0!	-1.20				
41	3,702	0.6	82.8			95	3692.12	88.62	-184.98	205.09	205.11	295.60	0.25	0.21			#DIV/0!	#DIV/0!	-0.38				
42	3,799	0.7	82.6			97	3789.11	88.76	-183.89	204.17	204.19	295.77	0.10	0.10			#DIV/0!	#DIV/0!	0.71				
43	3,895	0.8	92.4			96	3885.10	88.81	-182.64	203.08	203.09	295.93	0.17	0.10			#DIV/0!	#DIV/0!	1.96				
44	3,990	0.7	68.7			95	3980.10	88.99	-181.43	202.08	202.08	296.13	0.34	-0.11			#DIV/0!	#DIV/0!	3.17				
45	4,086	0.6	66.7			96	4076.09	89.41	-180.43	201.36	201.36	296.36	0.11	-0.10			#DIV/0!	#DIV/0!	4.17				
46	4,183	0.6	97.2			97	4173.08	89.54	-179.46	200.55	200.55	296.52	0.33	0.00			#DIV/0!	#DIV/0!	5.14				
47	4,279	0.4	82.2			96	4269.08	89.53	-178.62	199.80	199.80	296.62	0.25	-0.21			#DIV/0!	#DIV/0!	5.98				
48	4,375	0.7	283.5			96	4365.08	89.71	-178.86	200.10	200.10	296.64	1.13	0.31			#DIV/0!	#DIV/0!	5.74				
49	4,470	0.5	288.5			95	4460.07	89.98	-179.82	201.07	201.07	296.58	0.22	-0.21			#DIV/0!	#DIV/0!	4.78				
50	4,566	0.7	280.9			96	4556.07	90.22	-180.79	202.05	202.05	296.52	0.22	0.21			#DIV/0!	#DIV/0!	3.81				
51	4,662	0.6	294.0			96	4652.06	90.53	-181.83	203.12	203.12	296.47	0.19	-0.10			#DIV/0!	#DIV/0!	2.77				
52	4,758	0.9	293.2			96	4748.05	91.04	-182.98	204.38	204.38	296.45	0.31	0.31			#DIV/0!	#DIV/0!	1.62				
53	4,853	0.7	289.0			95	4843.04	91.52	-184.21	205.70	205.70	296.42	0.22	-0.21			#DIV/0!	#DIV/0!	0.39				
54	4,885	0.7	311.8			32	4875.04	91.71	-184.55	206.08	206.08	296.43	0.86	0.00			#DIV/0!	#DIV/0!	0.05				



SURVEY CALCULATION PROGRAM

Minimum Curvature

File:

OPERATOR: Lime Rock Resources										Target Information				VS Referenced to Offset from Surface																	
WELL: Eagle 34C Fed85										TARGET KBTVD:		4900.00		NORTH/SOUTH:		92.00															
LOCATION: Artesia, New Mexico										TARGET INCL:		0.00		EAST/WEST:		-184.60															
RIG: United 33										TARGET AZM:		0.00		(Enter 0° N and 0° E for Surface)																	
JOB NUMBER: TX-18-038																															
SURVEY COMPANY					DIRECTIONAL COMPANY					PROPOSED DIRECTION:		296.49		Dec / Total Corr.(+/-): 7.21																	
Accel Directional					Accel Directional					COMMENTS:																					
Directional Drillers					COORDINATORS																										
C. Tinkham					Chris Shipp																										
D. Dowdell					Corey Treadwell																										
Lime Rock Resources					Eagle 34C Fed85									Target Calculations																	
TRUE		TEMP		API		Course		Surface		CLOSURE		DLS/		BUR/		TVD AT 0'		ABOVE (+)		(+)											
AZM		°F		Gamma		Length		TVD		N-S		E-W		Vert Sect		DIST		DIR		V. SEC.		BELOW (-)		LEFT(-)							
PTB		4.930		0.7		311.8		45		4920.04		92.08		-184.96		206.61		206.61		296.47		0.00		0.00		#DIV/0!		#DIV/0!		-0.36	