

KAMBI TEXAS LP - MWD SURVEY REPORT

API #: 30-015-42319

Company: Lime Rock Resources
Well: Malco B 6 P Federal #11
Location: Eddy Co., N.M.
Rig: UDI 33

Job Number: KTX-152
Magnetic Decl.: 7.72
Grid Corr.:
Total Grid Corr.: 7.72

Calculation Method: Minimum Curvature
Proposed Azimuth: 32.88
WELL API #: 30-015-42319
Tie Into: Surface

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)		
Tie	GL	0	0.00	0.00	0	0	0	0	0	0	0	0	0
1	MWD	378.00	1.00	206.90	378	377.98	-3.28	2.94 S	1.49 W	3.30	206.90	0.26	0.26
2	MWD	468.00	0.20	91.40	90	467.98	-3.98	3.65 S	1.69 W	4.02	204.88	1.22	-0.89
3	MWD	557.00	2.40	42.40	89	556.95	-2.06	2.27 S	0.28 W	2.29	186.99	2.55	2.47
4	MWD	653.00	5.40	32.60	96	652.72	4.44	3.02 N	3.51 E	4.63	49.32	3.19	3.13
5	MWD	750.00	7.90	32.90	97	749.06	15.67	12.46 N	9.59 E	15.73	37.59	2.58	2.58
6	MWD	846.00	10.40	35.40	96	843.83	30.93	25.07 N	18.20 E	30.97	35.98	2.64	2.60
7	MWD	942.00	10.10	36.00	96	938.30	47.99	38.94 N	28.16 E	48.06	35.88	0.33	-0.31
8	MWD	1038.00	11.00	37.50	96	1032.67	65.53	53.02 N	38.69 E	65.63	36.12	0.98	0.94
9	MWD	1134.00	10.90	36.60	96	1126.92	83.71	67.57 N	49.67 E	83.86	36.32	0.21	-0.10
10	MWD	1230.00	10.00	32.60	96	1221.33	101.10	81.88 N	59.58 E	101.26	36.04	1.20	-0.94
11	MWD	1326.00	10.00	32.00	96	1315.87	117.77	95.97 N	68.48 E	117.90	35.51	0.11	0.00
12	MWD	1422.00	10.00	32.70	96	1410.41	134.44	110.05 N	77.40 E	134.55	35.12	0.13	0.00
13	MWD	1515.00	9.90	29.20	93	1502.02	150.50	123.82 N	85.67 E	150.57	34.68	0.66	-0.11
14	MWD	1613.00	7.00	23.00	98	1598.94	164.79	136.68 N	92.11 E	164.82	33.98	3.10	-2.96
15	MWD	1709.00	3.80	22.90	96	1694.51	173.69	145.00 N	95.64 E	173.70	33.41	3.33	-3.33
16	MWD	1806.00	1.60	332.10	97	1791.40	177.52	149.15 N	96.25 E	177.52	32.84	3.15	-2.27
17	MWD	1901.00	1.00	224.80	95	1886.39	177.35	149.74 N	95.05 E	177.36	32.41	2.24	-0.63
18	MWD	2093.00	1.50	191.00	192	2078.34	173.38	146.08 N	93.39 E	173.38	32.59	0.45	0.26
19	MWD	2188.00	0.40	125.70	95	2173.33	172.21	144.67 N	93.42 E	172.21	32.85	1.45	-1.16
20	MWD	2317.00	0.50	112.50	129	2302.33	172.29	144.19 N	94.31 E	172.29	33.19	0.11	0.08
21	MWD	2516.00	0.50	113.70	199	2501.32	172.58	143.51 N	95.90 E	172.60	33.75	0.01	0.00
22	MWD	2709.00	0.80	119.10	193	2694.31	172.81	142.52 N	97.85 E	172.87	34.47	0.16	0.16
23	MWD	2804.00	0.80	274.10	95	2789.30	172.53	142.24 N	97.77 E	172.60	34.50	1.64	0.00
24	MWD	2997.00	0.50	263.30	193	2982.29	171.35	142.24 N	95.59 E	171.37	33.90	0.17	-0.16
25	MWD	3157.00	0.20	268.70	160	3142.29	170.75	142.15 N	94.62 E	170.76	33.65	0.19	-0.19
26	MWD	3349.00	0.40	259.60	192	3334.29	170.10	142.02 N	93.62 E	170.10	33.39	0.11	0.10
27	MWD	3540.00	0.30	347.80	191	3525.28	169.99	142.39 N	92.86 E	169.99	33.11	0.26	-0.05
28	MWD	3733.00	0.60	354.50	193	3718.28	171.14	143.89 N	92.66 E	171.14	32.78	0.16	0.16
29	MWD	3925.00	0.50	3.60	192	3910.27	172.66	145.73 N	92.61 E	172.67	32.44	0.07	-0.05
30	MWD	4085.00	0.60	37.50	160	4070.26	174.11	147.09 N	93.17 E	174.11	32.35	0.21	0.06
31	MWD	4212.00	1.00	61.90	127	4197.25	175.74	148.14 N	94.55 E	175.74	32.55	0.41	0.31
32	MWD	4321.00	1.00	64.50	109	4306.23	177.38	149.00 N	96.25 E	177.38	32.86	0.04	0.00

Malco B 6 P Federal #11 Surveys

NM OIL CONSERVATION
ARTESIA DISTRICT

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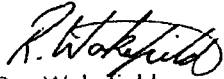
KAMBI TEXAS LP - MWD SURVEY REPORT

Company:	Lime Rock Resources	Job Number:	KTX-152	Calculation Method	Minimum Curvature
Well:	Malco B 6 P Federal #11	Magnetic Decl.:	7.72	Proposed Azimuth	32.88
Location:	Eddy Co., N.M.	Grid Corr.:		WELL API #	30-015-40503
Rig:	UDI 33	Total Grid Corr.:	7.72	Tie Into:	Surface

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)		
Proj at	bit	4368.00	1.00	64.50	47	4353.23	178.08	149.35 N	96.99 E	178.08	33.00	0.00	0.00

I, Roy Wakefield, certify that: I am employed by Kambi Texas LP; that I did on the day(s) of 14-June-14 through 17-June-14 conduct or supervise the taking of a MWD Survey from a depth of 378.0 feet to a depth of 4368.0 feet and that the data is true, correct, complete and within the limitations of the tool as set forth by Kambi Texas LP; that I am authorized and qualified to make this report; that this survey was conducted at the request of Lime Rock Resources. for the State of New Mexico; Well Malco B 6P Federal # 11 in Eddy County; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Kambi Texas LP.

Regards,



Roy Wakefield
VP Operations, USA
Kambi Texas LP