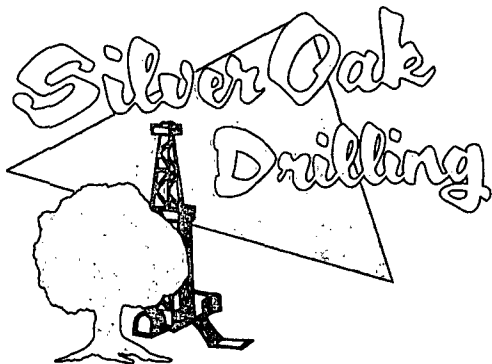


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JUN 03 2013



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

15 41275



May 23, 2013

RKI Exploration
210 Park Ave.
Suite 900
Oklahoma City, OK 73102

RE: RDX 16-17H
250' FNL & 675' FWL
Sec. 16, T26S, R30E
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

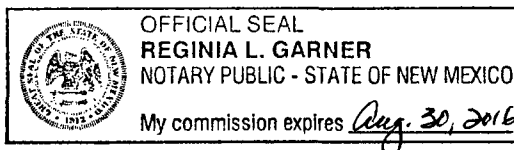
Very truly yours,

A handwritten signature in cursive script, appearing to read "Chris Graham".

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 23rd day of May, 2013.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".
Notary Public

RDX 16-17H

#	Date	Depth	Deviation	Direction	TVD	Horiz
4/30/2013	204	0.60	0.00	0.00	0.00	0.00
4/30/2013	451	0.60	0.00	0.00	0.00	0.00
4/30/2013	792	0.60	0.00	0.00	0.00	0.00
5/3/2013	1265	0.00	0.00	0.00	0.00	0.00
5/3/2013	1769	0.30	0.00	0.00	0.00	0.00
5/4/2013	1896	0.30	0.00	0.00	0.00	0.00
5/4/2013	2404	0.90	0.00	0.00	0.00	0.00
5/5/2013	2912	1.10	0.00	0.00	0.00	0.00
5/5/2013	3412	3.60	0.00	0.00	0.00	0.00
5/7/2013	3581	3.80	0.00	0.00	0.00	0.00
5/7/2013	4057	1.80	0.00	0.00	0.00	0.00
5/7/2013	4533	1.40	0.00	0.00	0.00	0.00
5/7/2013	5009	1.20	0.00	0.00	0.00	0.00
5/8/2013	5486	1.20	0.00	0.00	0.00	0.00
5/8/2013	5961	1.10	0.00	0.00	0.00	0.00
5/9/2013	6438	0.60	0.00	0.00	0.00	0.00
5/9/2013	6914	0.90	0.00	0.00	0.00	0.00
5/11/2013	7148	4.70	182.90	7145.53	0.00	0.00
5/11/2013	7243	14.80	181.70	7239.00	0.00	0.00
5/11/2013	7338	24.50	182.20	7328.26	0.00	0.00
5/11/2013	7402	29.50	185.60	7385.00	0.00	0.00
5/11/2013	7497	34.70	185.40	7465.00	0.00	0.00
5/11/2013	7592	44.40	184.50	7539.00	0.00	0.00
5/12/2013	7687	54.70	181.70	7600.69	0.00	0.00
5/12/2013	7782	64.10	184.20	7649.42	0.00	0.00
5/12/2013	7878	75.40	184.30	7681.96	0.00	0.00
5/12/2013	7924	82.30	184.01	7694.53	0.00	0.00
5/13/2013	8070	89.00	184.20	7701.46	0.00	0.00
5/13/2013	8198	89.00	183.60	7703.00	0.00	0.00
5/13/2013	8293	92.90	185.40	7701.00	0.00	0.00
5/13/2013	8388	94.40	185.70	7695.00	0.00	0.00
5/13/2013	8484	90.90	183.30	7691.00	0.00	0.00
5/13/2013	8579	92.30	183.10	7688.00	0.00	0.00
5/14/2013	8674	91.40	182.60	7685.40	0.00	0.00
5/14/2013	8769	90.20	181.90	7684.10	0.00	0.00
5/14/2013	8865	90.00	183.30	7683.94	0.00	0.00
5/14/2013	8960	88.60	184.90	9042.10	0.00	0.00
5/14/2013	9150	89.20	185.00	7688.00	0.00	0.00
5/14/2013	9246	89.40	185.40	7689.00	0.00	0.00
5/14/2013	9341	91.20	184.50	7688.00	0.00	0.00
5/14/2013	9436	88.80	184.50	7688.00	0.00	0.00
5/14/2013	9532	88.50	181.20	7691.00	0.00	0.00
5/15/2013	9627	89.30	183.10	7692.85	0.00	0.00

#	Date	Depth	Deviation	Direction	TVD	Horiz
	5/15/2013	9721	90.00	185.40	7693.40	0.00
	5/15/2013	9817	92.00	187.10	7691.75	0.00
	5/15/2013	9912	92.80	186.60	7687.77	0.00
	5/15/2013	10007	93.20	186.10	7682.80	0.00
	5/15/2013	10102	93.30	187.10	7677.00	0.00
	5/15/2013	10198	91.90	187.30	7673.00	0.00
	5/16/2013	10293	91.30	186.80	7670.40	0.00
	5/17/2013	10393	91.90	186.60	7666.91	0.00
	5/17/2013	10488	91.80	188.20	7663.00	0.00
	5/17/2013	10583	89.60	186.40	7662.00	0.00
	5/18/2013	10679	89.20	184.90	7663.00	0.00
	5/18/2013	10774	90.00	184.70	7663.00	0.00
	5/18/2013	10869	90.00	184.30	7663.00	0.00
	5/18/2013	10964	90.80	184.00	7663.00	0.00
	5/18/2013	11060	89.10	183.60	7663.00	0.00
	5/18/2013	11155	91.50	185.40	7662.00	0.00
	5/18/2013	11250	89.60	183.60	7661.00	0.00
	5/18/2013	11346	90.50	183.10	7661.00	0.00
	5/18/2013	11441	92.10	182.90	7659.00	0.00
	5/18/2013	11536	92.10	185.60	7655.00	0.00
	5/18/2013	11631	90.70	185.60	7653.00	0.00
	5/19/2013	11726	89.70	184.20	7653.31	0.00
	5/19/2013	11821	88.40	183.50	7654.88	0.00
	5/19/2013	11917	89.50	183.60	7656.64	0.00
	5/19/2013	12044	91.50	183.80	0.00	0.00
	5/19/2013	12082	92.00	183.80	0.00	0.00

EOF

RKI Exploration & Production

Eddy County (NM83E)

Sec 16-T26S-R30E

RDX 16-17H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

28 May, 2013

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well RDX 16-17H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 16-T26S-R30E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	RDX 16-17H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Design	Wellbore #1
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Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	183.51

Survey Program		Date 05/28/13		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.0	12,130.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.31	94.59	100.0	0.0	0.3	0.0	0.31	0.31	0.00
First GYRO Survey									
200.0	0.32	65.32	200.0	0.1	0.8	-0.1	0.16	0.01	-29.27
300.0	0.35	66.59	300.0	0.3	1.3	-0.4	0.03	0.03	1.27
400.0	0.44	74.13	400.0	0.5	2.0	-0.7	0.10	0.09	7.54
500.0	0.60	62.21	500.0	0.9	2.8	-1.1	0.19	0.16	-11.92
600.0	0.62	66.31	600.0	1.3	3.8	-1.6	0.05	0.02	4.10
700.0	0.87	90.93	700.0	1.6	5.0	-1.9	0.40	0.25	24.62
800.0	0.84	95.30	800.0	1.5	6.5	-1.9	0.07	-0.03	4.37
900.0	0.90	89.37	900.0	1.4	8.0	-1.9	0.11	0.06	-5.93
1,000.0	0.84	93.08	999.9	1.4	9.5	-2.0	0.08	-0.06	3.71
1,100.0	0.43	98.28	1,099.9	1.3	10.6	-1.9	0.41	-0.41	5.20
1,200.0	0.22	67.82	1,199.9	1.3	11.2	-2.0	0.26	-0.21	-30.46
1,300.0	0.22	47.18	1,299.9	1.5	11.5	-2.2	0.08	0.00	-20.64
1,400.0	0.23	34.06	1,399.9	1.8	11.8	-2.5	0.05	0.01	-13.12
1,500.0	0.09	33.92	1,499.9	2.0	11.9	-2.8	0.14	-0.14	-0.14
1,600.0	0.16	56.36	1,599.9	2.2	12.1	-2.9	0.08	0.07	22.44
1,700.0	0.08	319.81	1,699.9	2.3	12.2	-3.1	0.19	-0.08	-96.55
1,800.0	0.26	305.96	1,799.9	2.5	11.9	-3.2	0.18	0.18	-13.85
1,900.0	0.35	301.98	1,899.9	2.8	11.5	-3.5	0.09	0.09	-3.98
2,000.0	0.38	313.89	1,999.9	3.2	11.0	-3.9	0.08	0.03	11.91
2,100.0	0.41	304.52	2,099.9	3.6	10.5	-4.3	0.07	0.03	-9.37
2,200.0	0.47	310.54	2,199.9	4.1	9.8	-4.7	0.08	0.06	6.02
2,300.0	0.45	293.96	2,299.9	4.5	9.2	-5.1	0.13	-0.02	-16.58
2,400.0	0.53	256.18	2,399.9	4.6	8.4	-5.1	0.33	0.08	-37.78
2,500.0	0.72	263.33	2,499.9	4.4	7.3	-4.8	0.21	0.19	7.15
2,600.0	0.71	264.89	2,599.9	4.3	6.1	-4.6	0.02	-0.01	1.56
2,700.0	0.79	262.17	2,699.9	4.1	4.8	-4.4	0.09	0.08	-2.72
2,800.0	0.58	271.49	2,799.9	4.0	3.6	-4.2	0.24	-0.21	9.32
2,900.0	0.18	96.23	2,899.9	4.0	3.2	-4.2	0.76	-0.40	-175.26
3,000.0	1.35	110.79	2,999.9	3.6	4.5	-3.8	1.18	1.17	14.56
3,100.0	1.75	121.02	3,099.8	2.4	6.9	-2.8	0.48	0.40	10.23
3,200.0	3.04	118.40	3,199.7	0.3	10.5	-1.0	1.29	1.29	-2.62
3,300.0	3.98	120.18	3,299.6	-2.7	15.9	1.7	0.95	0.94	1.78
3,400.0	4.32	120.25	3,399.3	-6.3	22.1	5.0	0.34	0.34	0.07
3,500.0	4.43	121.23	3,499.0	-10.2	28.7	8.4	0.13	0.11	0.98
3,600.0	3.86	118.84	3,598.7	-13.8	34.9	11.7	0.60	-0.57	-2.39
3,700.0	3.69	116.52	3,698.5	-16.9	40.7	14.4	0.23	-0.17	-2.32

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well RDX 16-17H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 16-T26S-R30E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	RDX 16-17H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,800.0	3.04	118.53	3,798.4	-19.6	46.0	16.8	0.66	-0.65	2.01
3,900.0	2.53	119.28	3,898.2	-22.0	50.2	18.8	0.51	-0.51	0.75
4,000.0	2.21	124.95	3,998.2	-24.1	53.7	20.8	0.40	-0.32	5.67
4,100.0	1.94	133.53	4,098.1	-26.4	56.5	22.9	0.41	-0.27	8.58
4,200.0	1.75	132.28	4,198.0	-28.6	58.9	24.9	0.19	-0.19	-1.25
4,300.0	1.70	128.83	4,298.0	-30.6	61.2	26.8	0.12	-0.05	-3.45
4,400.0	1.55	136.77	4,397.9	-32.5	63.2	28.5	0.27	-0.15	7.94
4,500.0	1.24	138.86	4,497.9	-34.3	64.9	30.2	0.31	-0.31	2.09
4,600.0	1.10	140.52	4,597.9	-35.8	66.2	31.7	0.14	-0.14	1.66
4,700.0	1.08	138.49	4,697.9	-37.3	67.4	33.1	0.04	-0.02	-2.03
4,800.0	0.93	134.31	4,797.9	-38.5	68.6	34.3	0.17	-0.15	-4.18
4,900.0	0.83	135.17	4,897.9	-39.6	69.7	35.3	0.10	-0.10	0.86
5,000.0	0.78	119.04	4,997.8	-40.5	70.8	36.1	0.23	-0.05	-16.13
5,100.0	0.76	127.67	5,097.8	-41.2	72.0	36.7	0.12	-0.02	8.63
5,200.0	0.67	131.87	5,197.8	-42.0	72.9	37.5	0.10	-0.09	4.20
5,300.0	0.63	133.55	5,297.8	-42.8	73.8	38.2	0.04	-0.04	1.68
5,400.0	0.59	138.31	5,397.8	-43.5	74.5	38.9	0.06	-0.04	4.76
5,500.0	0.74	141.05	5,497.8	-44.4	75.2	39.7	0.15	0.15	2.74
5,600.0	0.74	142.33	5,597.8	-45.4	76.0	40.7	0.02	0.00	1.28
5,700.0	0.74	148.02	5,697.8	-46.5	76.8	41.7	0.07	0.00	5.69
5,800.0	0.80	159.51	5,797.8	-47.7	77.4	42.9	0.17	0.06	11.49
5,900.0	0.78	167.93	5,897.8	-49.0	77.8	44.2	0.12	-0.02	8.42
6,000.0	0.51	135.95	5,997.8	-50.0	78.2	45.1	0.44	-0.27	-31.98
6,100.0	0.70	130.08	6,097.8	-50.7	79.0	45.8	0.20	0.19	-5.87
6,200.0	0.83	147.79	6,197.8	-51.7	79.8	46.7	0.27	0.13	17.71
6,300.0	0.82	154.79	6,297.7	-53.0	80.5	48.0	0.10	-0.01	7.00
6,400.0	1.00	156.13	6,397.7	-54.4	81.2	49.4	0.18	0.18	1.34
6,500.0	1.06	171.29	6,497.7	-56.1	81.7	51.0	0.28	0.06	15.16
6,600.0	1.09	176.83	6,597.7	-58.0	81.9	52.9	0.11	0.03	5.54
6,700.0	1.19	168.90	6,697.7	-60.0	82.1	54.8	0.19	0.10	-7.93
6,800.0	1.18	172.28	6,797.7	-62.0	82.5	56.9	0.07	-0.01	3.38
6,900.0	1.20	166.36	6,897.6	-64.1	82.8	58.9	0.12	0.02	-5.92
6,970.0	1.11	176.21	6,967.6	-65.4	83.1	60.2	0.31	-0.13	14.07
7,111.0	1.30	176.31	7,108.6	-68.4	83.3	63.2	0.13	0.13	0.07
Last GYRO Survey									
7,148.0	4.70	182.90	7,145.5	-70.3	83.2	65.1	9.22	9.19	17.81
First MWD Survey									
7,179.0	8.40	185.70	7,176.3	-73.9	82.9	68.6	11.98	11.94	9.03
7,211.0	11.60	185.70	7,207.8	-79.4	82.4	74.2	10.00	10.00	0.00
7,243.0	14.80	181.70	7,239.0	-86.7	81.9	81.5	10.39	10.00	-12.50
7,275.0	18.10	181.20	7,269.7	-95.7	81.7	90.6	10.32	10.31	-1.56
7,306.0	21.70	182.60	7,298.8	-106.3	81.3	101.1	11.71	11.61	4.52
7,338.0	24.50	182.20	7,328.2	-118.8	80.8	113.6	8.76	8.75	-1.25
7,370.0	26.70	182.90	7,357.1	-132.6	80.2	127.5	6.94	6.88	2.19
7,402.0	29.50	185.60	7,385.3	-147.7	79.1	142.5	9.61	8.75	8.44
7,433.0	30.90	188.20	7,412.1	-163.1	77.2	158.1	6.18	4.52	8.39
7,465.0	32.90	186.30	7,439.3	-179.9	75.1	175.0	6.99	6.25	-5.94
7,497.0	34.70	185.40	7,465.9	-197.6	73.2	192.8	5.84	5.63	-2.81
7,529.0	37.30	186.30	7,491.8	-216.3	71.3	211.5	8.29	8.13	2.81
7,560.0	40.80	185.40	7,515.8	-235.7	69.3	231.1	11.44	11.29	-2.90
7,592.0	44.40	184.50	7,539.4	-257.3	67.5	252.7	11.41	11.25	-2.81
7,624.0	48.10	183.60	7,561.5	-280.4	65.9	275.8	11.74	11.56	-2.81
7,656.0	51.70	182.10	7,582.1	-304.8	64.6	300.3	11.81	11.25	-4.69
7,687.0	54.70	181.70	7,600.7	-329.6	63.8	325.1	9.73	9.68	-1.29

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well RDX 16-17H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 16-T26S-R30E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	RDX 16-17H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 2003.21, Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,719.0	57.40	181.20	7,618.6	-356.2	63.2	351.6	8.54	8.44	-1.56
7,751.0	60.60	183.50	7,635.0	-383.6	62.0	379.0	11.74	10.00	7.19
7,782.0	64.10	184.20	7,649.4	-410.9	60.2	406.5	11.47	11.29	2.26
7,814.0	68.20	183.80	7,662.4	-440.1	58.1	435.8	12.86	12.81	-1.25
7,846.0	72.50	184.20	7,673.1	-470.2	56.0	465.9	13.49	13.44	1.25
7,878.0	75.40	184.30	7,682.0	-500.9	53.8	496.6	9.07	9.06	0.31
7,910.0	78.50	184.20	7,689.2	-531.9	51.4	527.8	9.69	9.69	-0.31
7,941.0	82.30	184.00	7,694.4	-562.4	49.3	558.4	12.27	12.26	-0.65
7,973.0	85.70	183.80	7,697.7	-594.2	47.1	590.2	10.64	10.63	-0.63
8,007.0	87.60	184.00	7,699.7	-628.0	44.8	624.1	5.62	5.59	0.59
8,039.0	88.60	184.20	7,700.7	-659.9	42.5	656.1	3.19	3.13	0.63
8,070.0	89.00	184.20	7,701.4	-690.8	40.2	687.1	1.29	1.29	0.00
8,102.0	89.30	184.20	7,701.9	-722.8	37.9	719.1	0.94	0.94	0.00
8,134.0	89.30	183.80	7,702.3	-754.7	35.7	751.1	1.25	0.00	-1.25
8,166.0	89.30	183.50	7,702.7	-786.6	33.6	783.1	0.94	0.00	-0.94
8,198.0	89.00	183.60	7,703.1	-818.5	31.6	815.1	0.99	-0.94	0.31
8,293.0	92.90	185.40	7,701.6	-913.2	24.2	910.0	4.52	4.11	1.89
8,388.0	94.40	185.70	7,695.5	-1,007.6	15.0	1,004.8	1.61	1.58	0.32
8,483.0	90.90	183.30	7,691.1	-1,102.2	7.6	1,099.6	4.47	-3.68	-2.53
8,579.0	92.30	183.10	7,688.4	-1,198.0	2.2	1,195.6	1.47	1.46	-0.21
8,674.0	91.40	182.60	7,685.4	-1,292.8	-2.5	1,290.5	1.08	-0.95	-0.53
8,769.0	90.20	181.90	7,684.0	-1,387.7	-6.2	1,385.5	1.46	-1.26	-0.74
8,865.0	90.00	183.30	7,683.9	-1,483.6	-10.6	1,481.5	1.47	-0.21	1.46
8,960.0	88.60	184.90	7,685.0	-1,578.4	-17.4	1,576.5	2.24	-1.47	1.68
9,055.0	89.30	184.90	7,686.8	-1,673.0	-25.5	1,671.4	0.74	0.74	0.00
9,150.0	89.20	185.00	7,688.0	-1,767.6	-33.7	1,766.4	0.15	-0.11	0.11
9,246.0	89.40	185.40	7,689.2	-1,863.2	-42.4	1,862.3	0.47	0.21	0.42
9,341.0	91.20	184.50	7,688.7	-1,957.9	-50.6	1,957.3	2.12	1.89	-0.95
9,436.0	88.80	183.80	7,688.7	-2,052.6	-57.5	2,052.3	2.63	-2.53	-0.74
9,532.0	88.50	181.20	7,691.0	-2,148.5	-61.6	2,148.2	2.73	-0.31	-2.71
9,627.0	89.30	183.10	7,692.8	-2,243.4	-65.2	2,243.2	2.17	0.84	2.00
9,721.0	90.00	185.40	7,693.4	-2,337.1	-72.2	2,337.2	2.56	0.74	2.45
9,817.0	92.00	187.10	7,691.7	-2,432.5	-82.6	2,433.0	2.73	2.08	1.77
9,912.0	92.80	186.60	7,687.7	-2,526.8	-93.9	2,527.8	0.99	0.84	-0.53
10,007.0	93.20	186.10	7,682.7	-2,621.1	-104.4	2,622.5	0.67	0.42	-0.53
10,102.0	93.30	187.10	7,677.3	-2,715.3	-115.3	2,717.2	1.06	0.11	1.05
10,198.0	91.90	187.30	7,673.0	-2,810.4	-127.4	2,812.9	1.47	-1.46	0.21
10,293.0	91.30	186.80	7,670.3	-2,904.7	-139.0	2,907.7	0.82	-0.63	-0.53
10,393.0	92.70	186.60	7,666.8	-3,003.9	-150.7	3,007.5	1.41	1.40	-0.20
10,488.0	91.80	188.20	7,663.1	-3,098.0	-162.9	3,102.2	1.93	-0.95	1.68
10,583.0	89.60	186.40	7,662.0	-3,192.3	-175.0	3,197.0	2.99	-2.32	-1.89
10,679.0	89.20	184.90	7,663.0	-3,287.8	-184.4	3,292.9	1.62	-0.42	-1.56
10,774.0	90.00	184.70	7,663.6	-3,382.5	-192.4	3,387.9	0.87	0.84	-0.21
10,869.0	90.00	184.30	7,663.6	-3,477.2	-199.8	3,482.9	0.42	0.00	-0.42
10,964.0	90.80	184.00	7,663.0	-3,571.9	-206.7	3,577.9	0.90	0.84	-0.32
11,060.0	89.10	183.60	7,663.0	-3,667.7	-213.1	3,673.9	1.82	-1.77	-0.42
11,155.0	91.50	185.40	7,662.5	-3,762.4	-220.5	3,768.8	3.16	2.53	1.89
11,250.0	89.60	183.60	7,661.6	-3,857.1	-228.0	3,863.8	2.75	-2.00	-1.89
11,345.0	90.50	183.10	7,661.6	-3,951.9	-233.5	3,958.8	1.08	0.95	-0.53
11,441.0	92.10	182.90	7,659.4	-4,047.8	-238.5	4,054.8	1.68	1.67	-0.21
11,536.0	92.10	185.60	7,655.9	-4,142.4	-245.6	4,149.7	2.84	0.00	2.84
11,631.0	90.70	185.60	7,653.6	-4,236.9	-254.8	4,244.6	1.47	-1.47	0.00
11,726.0	89.70	184.20	7,653.2	-4,331.6	-262.9	4,339.6	1.81	-1.05	-1.47
11,821.0	88.40	183.50	7,654.8	-4,426.4	-269.3	4,434.5	1.55	-1.37	-0.74

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well RDX 16-17H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec.16-T26S-R30E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	RDX 16-17H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM:2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,917.0	89.50	183.60	7,656.6	-4,522.2	-275.3	4,530.5	1.15	1.15	0.10
12,012.0	91.30	183.60	7,655.9	-4,617.0	-281.2	4,625.5	1.89	1.89	0.00
12,082.0	92.00	183.80	7,653.9	-4,686.8	-285.8	4,695.5	1.04	1.00	0.29
Last MWD Survey									
12,130.0	92.00	183.80	7,652.2	-4,734.7	-288.9	4,743.5	0.00	0.00	0.00
Proj to TD: RDX 16-17H PBHL									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
100.0	100.0	0.0	0.3	First GYRO Survey
7,111.0	7,108.6	-68.4	83.3	Last GYRO Survey
7,148.0	7,145.5	-70.3	83.2	First MWD Survey
12,082.0	7,653.9	-4,686.8	-285.8	Last MWD Survey
12,130.0	7,652.2	-4,734.7	-288.9	Proj to TD

Checked By: _____ Approved By: _____ Date: _____