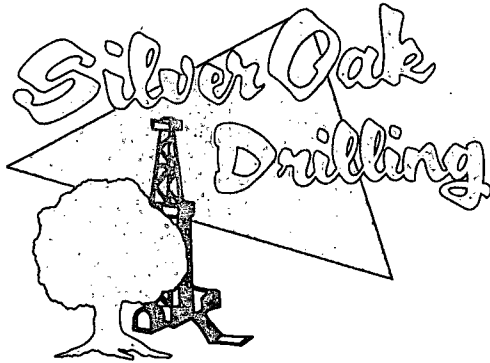
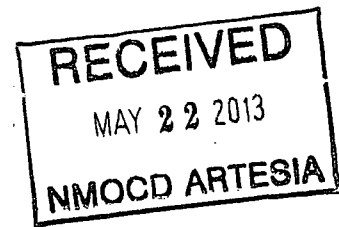




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30 015 40836



January 23, 2013

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

RE: Pinnacle ~~36~~ State 35H
200' FNL & 1819' FEL
Sec. 36, T22S, R28E
Eddy County, New Mexico

Dear Sir,

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

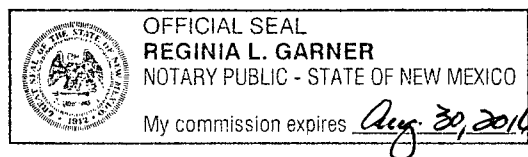
Very truly yours,

A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

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

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

Pason DataHub Deviation Survey

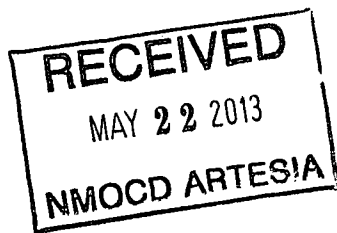
Well Dossier 1354378052 - PINNACLE STATE 36-35H

#	Date	Depth	Deviation	Direction	TVD
	12/2/2012	143	0.30	0.00	0.00
	12/2/2012	386	0.40	0.00	0.00
	12/5/2012	638	0.60	0.00	0.00
	12/5/2012	887	1.90	0.00	0.00
	12/5/2012	1139	3.00	0.00	0.00
	12/5/2012	1291	3.80	0.00	0.00
	12/5/2012	1511	4.00	0.00	0.00
	12/6/2012	1605	4.30	0.00	0.00
	12/6/2012	1701	4.70	0.00	0.00
	12/6/2012	1796	4.90	0.00	0.00
	12/6/2012	1891	4.30	0.00	0.00
	12/7/2012	1986	3.40	0.00	0.00
	12/7/2012	2082	1.90	0.00	0.00
	12/7/2012	2177	2.00	0.00	0.00
	12/7/2012	2336	1.00	0.00	0.00
	12/7/2012	2495	0.70	0.00	0.00
	12/8/2012	2749	0.70	0.00	0.00
	12/8/2012	3003	0.40	0.00	0.00
	12/8/2012	3257	0.40	0.00	0.00
	12/8/2012	3511	0.30	0.00	0.00
	12/8/2012	3765	0.10	0.00	0.00
	12/9/2012	3955	0.30	0.00	0.00
	12/11/2012	4149	0.40	0.00	0.00
	12/11/2012	4403	0.20	0.00	0.00
	12/12/2012	4657	0.10	0.00	0.00
	12/12/2012	4911	0.20	0.00	0.00
	12/12/2012	5163	0.50	0.00	0.00
	12/12/2012	5640	0.80	0.00	0.00
	12/12/2012	6116	1.20	0.00	0.00
	12/13/2012	6593	0.50	0.00	0.00
	12/15/2012	6986	2.90	221.40	6982.00
	12/15/2012	7082	14.80	189.90	7077.00
	12/15/2012	7177	22.20	190.30	0.00
	12/15/2012	7240	25.80	186.80	7280.00
	12/16/2012	7367	31.10	188.50	7280.00
	12/16/2012	7431	40.90	181.70	7383.00
	12/16/2012	7367	36.80	185.30	7333.00
	12/17/2012	7493	46.30	181.00	0.00
	12/17/2012	7525	50.40	181.10	0.00
	12/17/2012	7588	59.10	183.10	7513.00
	12/17/2012	7684	67.40	181.50	7528.99
	12/18/2012	7747	70.60	181.50	0.00

#	Date	Depth	Deviation	Direction	TVD
12/18/2012	7811	76.20	180.80	0.00	
12/21/2012	7883	82.90	179.40	0.00	
12/21/2012	7978	89.20	176.70	7590.09	
12/21/2012	8042	90.90	174.40	7589.90	
12/21/2012	8074	91.50	176.40	7589.23	
12/22/2012	8264	89.10	179.40	7588.60	
12/22/2012	8296	89.10	179.40	7589.12	
12/22/2012	8359	90.50	177.20	7587.33	
12/22/2012	8454	91.10	176.60	7588.00	
12/22/2012	8581	91.10	175.30	7585.00	
12/22/2012	8708	91.80	176.70	7582.49	
12/22/2012	8803	91.50	176.10	7579.29	
12/23/2012	8898	90.60	174.70	7577.00	
12/23/2012	8994	90.90	177.50	7575.00	
12/23/2012	9089	90.70	177.20	7574.00	
12/23/2012	9184	90.80	177.00	7573.26	
12/23/2012	9279	91.70	176.00	7571.78	
12/23/2012	9438	91.20	178.10	7567.05	
12/23/2012	9533	92.70	176.70	7584.26	
12/24/2012	9660	93.00	178.80	7556.00	
12/24/2012	9755	92.00	177.10	752.00	
12/24/2012	9851	90.40	174.00	7550.00	
12/24/2012	9978	88.60	176.90	7554.00	
12/24/2012	10009	89.20	175.10	7552.82	
12/24/2012	10136	90.20	171.90	7552.65	
12/25/2012	10232	90.20	173.20	7552.00	
12/25/2012	10327	90.50	174.00	7552.00	
12/25/2012	10422	88.40	175.20	7553.00	
12/25/2012	10517	89.10	173.20	7555.64	
12/26/2012	10613	89.20	175.20	7555.00	
12/27/2012	10708	89.40	177.20	7556.00	
12/27/2012	10803	90.10	176.90	7558.00	
12/27/2012	10929	89.70	178.10	7558.00	
12/27/2012	11025	88.90	1786.80	7559.68	
12/27/2012	11120	89.70	174.90	7560.95	
12/28/2012	11183	91.10	175.50	7560.00	
12/28/2012	11279	90.60	178.90	7558.90	
1/8/2013	6921	2.60	297.10	6918.00	
1/8/2013	7016	11.40	273.40	7060.00	
1/8/2013	7112	22.40	252.70	7103.80	
1/9/2013	7207	29.90	227.20	7189.00	
1/9/2013	7334	37.20	197.80	7320.57	
1/9/2013	7461	46.40	175.50	7390.98	
1/9/2013	7557	57.10	180.20	7449.00	
1/10/2013	7682	68.90	181.80	7506.00	

#	Date	Depth	Deviation	Direction	TVD
	1/10/2013	7779	75.20	181.30	7535.00
	1/12/2013	7950	84.60	179.50	7562.00
	1/12/2013	8045	89.10	180.90	7567.00
	1/12/2013	8140	90.90	181.10	7567.00
	1/13/2013	8236	91.30	179.40	7565.62
	1/13/2013	8331	89.60	179.40	7564.00
	1/13/2013	8426	89.60	179.40	7564.00
	1/14/2013	8521	90.30	179.20	7565.00
	1/14/2013	8617	91.20	179.40	0.00
	1/14/2013	8712	90.20	179.00	7562.00
	1/14/2013	8806	90.80	179.20	7561.00
	1/14/2013	8902	91.90	180.10	7559.21
	1/14/2013	8966	90.30	179.20	0.00
	1/14/2013	9093	90.20	177.40	0.00
	1/15/2013	9188	89.10	175.80	7556.00
	1/15/2013	9283	89.30	175.00	7558.00
	1/15/2013	9378	89.30	175.80	7759.19
	1/15/2013	9472	88.80	177.20	7560.00
	1/15/2013	9557	88.90	177.80	7561.00
	1/15/2013	9664	89.20	177.20	9564.16
	1/15/2013	9791	90.40	177.60	0.00
	1/16/2013	9855	91.10	0.00	0.00
	1/17/2013	9945	92.30	176.90	7561.08
	1/17/2013	10044	89.30	177.20	7558.13
	1/18/2013	10203	90.40	176.20	0.00
	1/18/2013	10330	89.80	177.80	0.00
	1/18/2013	10425	88.50	178.80	7561.80
	1/18/2013	10551	89.70	178.70	7563.00
	1/18/2013	10647	90.50	178.10	7567.28
	1/18/2013	10742	89.00	178.10	7562.00
	1/19/2013	10774	89.10	178.00	0.00

EOF



RKI Exploration & Production

Eddy County (NM83E)

Sec 36-T22S-R28E

Pinnacle State 36-35H

Sidetrack #1

Survey: ST#1 Surveys

Standard Survey Report

20 January, 2013

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well Pinnacle State 36-35H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 36-T22S-R28E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Pinnacle State 36-35H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM:2003.21 Single User Db

Design	Sidetrack #1			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	178.82

Survey Program	Date: 2013/01/20			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
100.0	10,928.0	ST#1 Surveys (Sidetrack #1)	MWD	MWD - Standard

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.27	172.59	100.0	-0.2	0.0	0.2	0.27	0.27	0.00
200.0	0.47	174.67	200.0	-0.9	0.1	0.9	0.20	0.20	2.08
300.0	0.51	176.50	300.0	-1.7	0.2	1.7	0.04	0.04	1.83
400.0	0.54	177.20	400.0	-2.6	0.2	2.6	0.03	0.03	0.70
500.0	0.49	177.82	500.0	-3.5	0.3	3.5	0.05	-0.05	0.62
600.0	0.57	183.76	600.0	-4.5	0.2	4.5	0.10	0.08	5.94
700.0	0.93	212.44	700.0	-5.6	-0.2	5.6	0.51	0.36	28.68
800.0	1.11	224.44	800.0	-7.0	-1.3	7.0	0.28	0.18	12.00
900.0	1.67	238.08	899.9	-8.5	-3.3	8.4	0.65	0.56	13.64
1,000.0	2.41	245.20	999.9	-10.1	-6.4	10.0	0.78	0.74	7.12
1,100.0	3.01	250.31	1,099.8	-11.9	-10.8	11.7	0.65	0.60	5.11
1,200.0	3.43	259.52	1,199.6	-13.3	-16.2	13.0	0.67	0.42	9.21
1,300.0	3.81	261.73	1,299.4	-14.4	-22.4	13.9	0.40	0.38	2.21
1,400.0	3.84	263.31	1,399.2	-15.2	-29.0	14.6	0.11	0.03	1.58
1,500.0	4.11	267.31	1,498.9	-15.8	-35.9	15.0	0.39	0.27	4.00
1,540.0	4.05	271.91	1,538.8	-15.8	-38.8	15.0	0.83	-0.15	11.50
1,600.0	4.44	279.40	1,598.7	-15.4	-43.2	14.5	1.13	0.65	12.48
1,700.0	4.87	278.76	1,698.3	-14.1	-51.2	13.0	0.43	0.43	-0.64
1,800.0	4.81	278.67	1,798.0	-12.8	-59.6	11.6	0.06	-0.06	-0.09
1,900.0	4.10	280.00	1,897.7	-11.5	-67.2	10.2	0.72	-0.71	1.33
2,000.0	3.02	279.57	1,997.5	-10.5	-73.3	9.0	1.08	-1.08	-0.43
2,100.0	1.80	276.06	2,097.4	-9.9	-77.5	8.3	1.23	-1.22	-3.51
2,200.0	1.49	265.50	2,197.4	-9.8	-80.4	8.2	0.43	-0.31	-10.56
2,300.0	1.33	262.95	2,297.3	-10.1	-82.8	8.4	0.17	-0.16	-2.55
2,400.0	0.51	223.11	2,397.3	-10.5	-84.3	8.8	0.99	-0.82	-39.84
2,500.0	0.70	165.88	2,497.3	-11.4	-84.4	9.7	0.60	0.19	-57.23
2,600.0	0.93	147.37	2,597.3	-12.7	-83.8	11.0	0.35	0.23	-18.51
2,700.0	0.87	145.22	2,697.3	-14.0	-83.0	12.3	0.07	-0.06	-2.15
2,800.0	0.50	153.87	2,797.3	-15.0	-82.3	13.3	0.38	-0.37	8.65
2,900.0	0.28	207.45	2,897.3	-15.7	-82.3	14.0	0.40	-0.22	53.58
3,000.0	0.34	175.94	2,997.3	-16.2	-82.3	14.5	0.18	0.06	-31.51
3,100.0	0.41	214.24	3,097.3	-16.8	-82.5	15.1	0.25	0.07	38.30
3,200.0	0.14	258.45	3,197.3	-17.1	-82.8	15.4	0.32	-0.27	44.21
3,300.0	0.13	274.14	3,297.3	-17.1	-83.1	15.4	0.04	-0.01	15.69
3,400.0	0.13	298.51	3,397.3	-17.0	-83.3	15.3	0.05	0.00	24.37
3,500.0	0.15	299.34	3,497.3	-16.9	-83.5	15.2	0.02	0.02	0.83
3,600.0	0.09	102.10	3,597.3	-16.9	-83.5	15.1	0.24	-0.06	162.76
3,700.0	0.16	208.28	3,697.3	-17.0	-83.5	15.3	0.20	0.07	106.18

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well Pinnacle State 36-35H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 36-T22S-R28E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Pinnacle State 36-35H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #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	0.04	174.01	3,797.3	-17.2	-83.6	15.4	0.13	-0.12	-34.27	
3,900.0	0.09	145.92	3,897.3	-17.3	-83.5	15.5	0.06	0.05	-28.09	
4,000.0	0.36	254.63	3,997.3	-17.4	-83.8	15.7	0.40	0.27	108.71	
4,100.0	0.33	223.43	4,097.3	-17.7	-84.3	16.0	0.19	-0.03	-31.20	
4,200.0	0.12	191.82	4,197.3	-18.0	-84.5	16.3	0.24	-0.21	-31.61	
4,300.0	0.06	221.06	4,297.3	-18.2	-84.6	16.4	0.07	-0.06	29.24	
4,400.0	0.10	230.86	4,397.3	-18.2	-84.7	16.5	0.04	0.04	9.80	
4,500.0	0.30	258.24	4,497.3	-18.4	-85.0	16.6	0.22	0.20	27.38	
4,600.0	0.31	258.65	4,597.3	-18.5	-85.5	16.7	0.01	0.01	0.41	
4,700.0	0.23	211.07	4,697.3	-18.7	-85.9	16.9	0.23	-0.08	-47.58	
4,800.0	0.24	243.23	4,797.3	-19.0	-86.2	17.2	0.13	0.01	32.16	
4,900.0	0.21	255.48	4,897.3	-19.1	-86.6	17.3	0.06	-0.03	12.25	
5,000.0	0.32	182.38	4,997.3	-19.4	-86.7	17.6	0.33	0.11	-73.10	
5,100.0	0.36	190.43	5,097.3	-20.0	-86.8	18.2	0.06	0.04	8.05	
5,200.0	0.64	179.42	5,197.3	-20.9	-86.9	19.1	0.29	0.28	-11.01	
5,300.0	0.62	211.51	5,297.2	-21.9	-87.1	20.1	0.35	-0.02	32.09	
5,400.0	0.45	205.20	5,397.2	-22.7	-87.6	20.9	0.18	-0.17	-6.31	
5,500.0	0.68	234.30	5,497.2	-23.4	-88.2	21.6	0.36	0.23	29.10	
5,600.0	0.60	227.18	5,597.2	-24.1	-89.1	22.3	0.11	-0.08	-7.12	
5,700.0	0.96	219.25	5,697.2	-25.1	-90.0	23.3	0.37	0.36	-7.93	
5,800.0	0.70	203.45	5,797.2	-26.3	-90.8	24.5	0.34	-0.26	-15.80	
5,900.0	0.94	201.90	5,897.2	-27.7	-91.3	25.8	0.24	0.24	-1.55	
6,000.0	0.89	202.88	5,997.2	-29.1	-91.9	27.2	0.05	-0.05	0.98	
6,100.0	0.95	204.51	6,097.2	-30.6	-92.6	28.7	0.07	0.06	1.63	
6,200.0	1.04	219.46	6,197.2	-32.1	-93.5	30.1	0.27	0.09	14.95	
6,300.0	1.13	214.28	6,297.1	-33.6	-94.6	31.6	0.13	0.09	-5.18	
6,400.0	0.88	217.08	6,397.1	-35.0	-95.7	33.0	0.25	-0.25	2.80	
6,500.0	1.07	227.01	6,497.1	-36.2	-96.8	34.2	0.25	0.19	9.93	
6,600.0	0.96	231.14	6,597.1	-37.4	-98.1	35.4	0.13	-0.11	4.13	
6,700.0	0.89	242.73	6,697.1	-38.3	-99.5	36.2	0.20	-0.07	11.59	
6,732.0	1.10	264.30	6,729.1	-38.4	-100.0	36.4	1.33	0.66	67.41	
6,764.0	0.80	252.10	6,761.1	-38.5	-100.5	36.5	1.13	-0.94	-38.13	
6,796.0	1.10	252.00	6,793.1	-38.7	-101.0	36.6	0.94	0.94	-0.31	
6,827.0	1.50	292.20	6,824.1	-38.6	-101.7	36.5	3.13	1.29	129.68	
Tie on to OH Surveys										
6,858.0	1.80	308.20	6,855.0	-38.2	-102.5	36.1	1.76	0.97	51.61	
First ST#1 MWD Survey										
6,889.0	2.10	303.10	6,886.0	-37.6	-103.3	35.4	1.12	0.97	-16.45	
6,921.0	2.60	297.10	6,918.0	-36.9	-104.5	34.8	1.74	1.56	-18.75	
6,953.0	3.70	284.70	6,950.0	-36.3	-106.1	34.1	4.02	3.44	-38.75	
6,985.0	7.20	278.30	6,981.8	-35.8	-109.1	33.5	11.08	10.94	-20.00	
7,016.0	11.40	273.40	7,012.4	-35.3	-114.1	33.0	13.78	13.55	-15.81	
7,048.0	16.00	269.20	7,043.5	-35.2	-121.6	32.7	14.70	14.38	-13.13	
7,080.0	19.70	263.00	7,073.9	-35.9	-131.4	33.2	12.98	11.56	-19.38	
7,112.0	22.40	252.70	7,103.8	-38.4	-142.6	35.4	14.28	8.44	-32.19	
7,144.0	24.50	242.30	7,133.2	-43.3	-154.3	40.1	14.48	6.56	-32.50	
7,175.0	27.20	234.70	7,161.1	-50.4	-165.8	46.9	13.77	8.71	-24.52	
7,207.0	29.90	227.20	7,189.2	-60.0	-177.6	56.4	14.01	8.44	-23.44	
7,239.0	31.30	218.40	7,216.7	-72.0	-188.6	68.1	14.65	4.38	-27.50	
7,271.0	32.90	209.80	7,243.9	-86.0	-198.1	81.9	15.12	5.00	-26.88	
7,302.0	35.30	204.50	7,269.5	-101.5	-206.0	97.2	12.32	7.74	-17.10	
7,334.0	37.20	197.80	7,295.4	-119.1	-212.8	114.7	13.72	5.94	-20.94	
7,366.0	38.90	190.60	7,320.6	-138.2	-217.6	133.7	14.84	5.31	-22.50	
7,398.0	41.20	183.90	7,345.1	-158.6	-220.2	154.1	15.26	7.19	-20.94	

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well Pinnacle State 36-35H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 36-T22S-R28E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Pinnacle State 36-35H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #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)
7,429.0	42.60	178.00	7,368.2	-179.3	-220.5	174.7	13.48	4.52	-19.03
7,461.0	46.40	175.50	7,391.0	-201.7	-219.2	197.1	13.07	11.88	-7.81
7,493.0	50.50	176.20	7,412.2	-225.6	-217.5	221.0	12.92	12.81	2.19
7,525.0	54.40	178.30	7,431.7	-250.9	-216.3	246.4	13.25	12.19	6.56
7,556.0	57.10	180.20	7,449.1	-276.5	-215.9	272.0	10.08	8.71	6.13
7,588.0	60.00	181.30	7,465.8	-303.8	-216.3	299.3	9.52	9.06	3.44
7,620.0	63.70	180.80	7,480.9	-332.0	-216.8	327.5	11.64	11.56	-1.56
7,652.0	65.90	180.60	7,494.6	-361.0	-217.2	356.4	6.90	6.88	-0.63
7,683.0	68.90	181.80	7,506.5	-389.6	-217.8	385.0	10.32	9.68	3.87
7,715.0	71.70	182.30	7,517.3	-419.7	-218.9	415.1	8.87	8.75	1.56
7,747.0	74.40	181.50	7,526.6	-450.3	-219.9	445.6	8.77	8.44	-2.50
7,779.0	75.20	181.30	7,535.0	-481.1	-220.6	476.5	2.57	2.50	-0.63
7,811.0	77.70	180.80	7,542.5	-512.2	-221.2	507.6	7.96	7.81	-1.56
7,842.0	80.70	179.70	7,548.3	-542.7	-221.3	538.0	10.29	9.68	-3.55
7,874.0	81.70	179.00	7,553.2	-574.3	-221.0	569.6	3.80	3.13	-2.19
7,906.0	82.00	178.80	7,557.7	-606.0	-220.4	601.3	1.12	0.94	-0.63
7,950.0	84.60	179.50	7,562.8	-649.7	-219.7	645.0	6.12	5.91	1.59
7,982.0	86.70	180.40	7,565.3	-681.6	-219.7	676.9	7.14	6.56	2.81
8,013.0	87.40	180.90	7,566.9	-712.5	-220.0	707.9	2.77	2.26	1.61
8,045.0	89.10	180.90	7,567.8	-744.5	-220.5	739.8	5.31	5.31	0.00
8,077.0	90.00	180.80	7,568.1	-776.5	-221.0	771.8	2.83	2.81	-0.31
8,109.0	90.60	181.10	7,567.9	-808.5	-221.5	803.8	2.10	1.88	0.94
8,140.0	90.90	181.10	7,567.5	-839.5	-222.1	834.7	0.97	0.97	0.00
8,172.0	91.30	180.90	7,566.9	-871.5	-222.7	866.7	1.40	1.25	-0.63
8,204.0	91.00	179.50	7,566.3	-903.5	-222.8	898.7	4.47	-0.94	-4.38
8,236.0	91.30	179.40	7,565.6	-935.5	-222.5	930.7	0.99	0.94	-0.31
8,267.0	91.60	179.40	7,564.8	-966.4	-222.2	961.7	0.97	0.97	0.00
8,299.0	89.90	179.20	7,564.4	-998.4	-221.8	993.7	5.35	-5.31	-0.63
8,331.0	89.60	179.40	7,564.6	-1,030.4	-221.4	1,025.7	1.13	-0.94	0.63
8,363.0	89.70	179.50	7,564.8	-1,062.4	-221.1	1,057.7	0.44	0.31	0.31
8,394.0	89.60	179.20	7,564.9	-1,093.4	-220.7	1,088.7	1.02	-0.32	-0.97
8,426.0	89.60	179.40	7,565.2	-1,125.4	-220.3	1,120.7	0.62	0.00	0.63
8,458.0	89.60	179.20	7,565.4	-1,157.4	-220.0	1,152.7	0.62	0.00	-0.63
8,490.0	89.80	179.40	7,565.6	-1,189.4	-219.6	1,184.7	0.88	0.63	0.63
8,521.0	90.30	179.20	7,565.5	-1,220.4	-219.2	1,215.7	1.74	1.61	-0.65
8,553.0	90.50	179.00	7,565.3	-1,252.4	-218.7	1,247.7	0.88	0.63	-0.63
8,585.0	90.80	179.40	7,564.9	-1,284.4	-218.2	1,279.7	1.56	0.94	1.25
8,617.0	91.20	179.40	7,564.4	-1,316.4	-217.9	1,311.7	1.25	1.25	0.00
8,648.0	91.40	179.40	7,563.7	-1,347.4	-217.6	1,342.6	0.65	0.65	0.00
8,680.0	91.80	179.50	7,562.8	-1,379.4	-217.3	1,374.6	1.29	1.25	0.31
8,712.0	90.20	179.00	7,562.2	-1,411.4	-216.9	1,406.6	5.24	-5.00	-1.56
8,744.0	90.20	178.80	7,562.1	-1,443.4	-216.2	1,438.6	0.62	0.00	-0.63
8,775.0	90.60	179.00	7,561.9	-1,474.4	-215.6	1,469.6	1.44	1.29	0.65
8,807.0	90.80	179.20	7,561.5	-1,506.4	-215.1	1,501.6	0.88	0.63	0.63
8,839.0	91.00	179.20	7,561.0	-1,538.3	-214.7	1,533.6	0.63	0.63	0.00
8,871.0	91.40	179.70	7,560.3	-1,570.3	-214.4	1,565.6	2.00	1.25	1.56
8,902.0	91.90	180.10	7,559.4	-1,601.3	-214.3	1,596.6	2.07	1.61	1.29
8,934.0	90.10	179.50	7,558.9	-1,633.3	-214.2	1,628.6	5.93	-5.63	-1.88
8,966.0	90.30	179.20	7,558.8	-1,665.3	-213.9	1,660.6	1.13	0.63	-0.94
8,998.0	90.70	179.20	7,558.5	-1,697.3	-213.4	1,692.6	1.25	1.25	0.00
9,029.0	91.30	179.00	7,558.0	-1,728.3	-212.9	1,723.6	2.04	1.94	-0.65
9,061.0	90.30	178.00	7,557.5	-1,760.3	-212.1	1,755.6	4.42	-3.13	-3.13
9,093.0	90.20	177.40	7,557.4	-1,792.3	-210.8	1,787.6	1.90	-0.31	-1.88
9,124.0	90.60	177.10	7,557.2	-1,823.2	-209.3	1,818.5	1.61	1.29	-0.97

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well Pinnacle State 36-35H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 36-T22S-R28E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Pinnacle State 36-35H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #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)
9,156.0	90.70	177.10	7,556.8	-1,855.2	-207.7	1,850.5	0.31	0.31	0.00
9,188.0	89.10	175.80	7,556.8	-1,887.1	-205.7	1,882.5	6.44	-5.00	-4.06
9,220.0	89.10	175.50	7,557.3	-1,919.0	-203.3	1,914.4	0.94	0.00	-0.94
9,251.0	89.20	175.10	7,557.8	-1,949.9	-200.7	1,945.4	1.33	0.32	-1.29
9,283.0	89.30	175.00	7,558.2	-1,981.8	-198.0	1,977.3	0.44	0.31	-0.31
9,315.0	89.60	174.80	7,558.5	-2,013.7	-195.1	2,009.2	1.13	0.94	-0.63
9,347.0	89.00	175.70	7,558.9	-2,045.6	-192.5	2,041.2	3.38	-1.88	2.81
9,378.0	89.30	175.80	7,559.4	-2,076.5	-190.2	2,072.1	1.02	0.97	0.32
9,410.0	89.70	176.00	7,559.7	-2,108.4	-187.9	2,104.1	1.40	1.25	0.63
9,442.0	88.60	176.90	7,560.1	-2,140.3	-185.9	2,136.0	4.44	-3.44	2.81
9,474.0	88.80	177.20	7,560.9	-2,172.3	-184.3	2,168.0	1.13	0.63	0.94
9,505.0	88.80	177.40	7,561.5	-2,203.2	-182.8	2,199.0	0.65	0.00	0.65
9,537.0	89.00	177.80	7,562.1	-2,235.2	-181.5	2,231.0	1.40	0.63	1.25
9,569.0	88.90	177.80	7,562.7	-2,267.2	-180.3	2,263.0	0.31	-0.31	0.00
9,601.0	88.90	177.40	7,563.3	-2,299.1	-178.9	2,295.0	1.25	0.00	-1.25
9,632.0	89.00	177.40	7,563.9	-2,330.1	-177.5	2,326.0	0.32	0.32	0.00
9,664.0	89.20	177.20	7,564.4	-2,362.0	-176.0	2,357.9	0.88	0.63	-0.63
9,696.0	89.60	177.20	7,564.7	-2,394.0	-174.4	2,389.9	1.25	1.25	0.00
9,728.0	90.00	177.80	7,564.8	-2,426.0	-173.0	2,421.9	2.25	1.25	1.88
9,759.0	90.30	177.40	7,564.8	-2,457.0	-171.7	2,452.9	1.61	0.97	-1.29
9,791.0	90.40	177.60	7,564.6	-2,488.9	-170.3	2,484.9	0.70	0.31	0.63
9,823.0	90.70	177.60	7,564.3	-2,520.9	-169.0	2,516.9	0.94	0.94	0.00
9,855.0	91.10	177.40	7,563.8	-2,552.9	-167.6	2,548.9	1.40	1.25	-0.63
9,885.0	91.10	177.10	7,563.2	-2,582.8	-166.2	2,578.9	1.00	0.00	-1.00
9,917.0	91.70	177.10	7,562.4	-2,614.8	-164.6	2,610.8	1.88	1.88	0.00
9,948.0	92.30	176.90	7,561.3	-2,645.7	-162.9	2,641.8	2.04	1.94	-0.65
9,980.0	93.00	176.70	7,559.8	-2,677.6	-161.1	2,673.7	2.27	2.19	-0.63
10,012.0	91.50	177.40	7,558.6	-2,709.6	-159.5	2,705.7	5.17	-4.69	2.19
10,044.0	89.30	177.20	7,558.4	-2,741.5	-158.0	2,737.7	6.90	-6.88	-0.63
10,075.0	89.00	176.90	7,558.8	-2,772.5	-156.4	2,768.7	1.37	-0.97	-0.97
10,107.0	89.10	176.20	7,559.4	-2,804.4	-154.5	2,800.6	2.21	0.31	-2.19
10,139.0	89.30	176.20	7,559.8	-2,836.3	-152.4	2,832.6	0.63	0.63	0.00
10,171.0	89.50	176.20	7,560.1	-2,868.3	-150.2	2,864.6	0.63	0.63	0.00
10,202.0	90.40	176.20	7,560.2	-2,899.2	-148.2	2,895.5	2.90	2.90	0.00
10,234.0	90.70	176.50	7,559.9	-2,931.1	-146.1	2,927.5	1.33	0.94	0.94
10,266.0	89.50	177.40	7,559.8	-2,963.1	-144.4	2,959.5	4.69	-3.75	2.81
10,298.0	89.30	178.00	7,560.1	-2,995.1	-143.2	2,991.5	1.98	-0.63	1.88
10,329.0	89.80	177.80	7,560.4	-3,026.0	-142.0	3,022.5	1.74	1.61	-0.65
10,361.0	90.30	178.00	7,560.3	-3,058.0	-140.8	3,054.5	1.68	1.56	0.63
10,393.0	88.60	178.70	7,560.7	-3,090.0	-139.9	3,086.5	5.75	-5.31	2.19
10,425.0	88.50	178.80	7,561.5	-3,122.0	-139.2	3,118.5	0.44	-0.31	0.31
10,457.0	89.00	178.50	7,562.2	-3,154.0	-138.5	3,150.4	1.82	1.56	-0.94
10,488.0	89.50	178.30	7,562.6	-3,184.9	-137.6	3,181.4	1.74	1.61	-0.65
10,520.0	89.70	178.70	7,562.8	-3,216.9	-136.8	3,213.4	1.40	0.63	1.25
10,551.0	90.20	178.50	7,562.8	-3,247.9	-136.0	3,244.4	1.74	1.61	-0.65
10,583.0	91.30	178.60	7,562.4	-3,279.9	-135.2	3,276.4	3.45	3.44	0.31
10,615.0	91.70	178.70	7,561.6	-3,311.9	-134.4	3,308.4	1.29	1.25	0.31
10,647.0	90.50	178.10	7,560.9	-3,343.9	-133.6	3,340.4	4.19	-3.75	-1.88
10,678.0	88.40	177.60	7,561.2	-3,374.8	-132.4	3,371.4	6.96	-6.77	-1.61
10,710.0	88.50	177.80	7,562.1	-3,406.8	-131.1	3,403.4	0.70	0.31	0.63
10,742.0	89.00	178.10	7,562.8	-3,438.8	-130.0	3,435.4	1.82	1.56	0.94
10,774.0	89.50	178.00	7,563.2	-3,470.8	-128.9	3,467.4	1.59	1.56	-0.31
10,805.0	89.80	178.10	7,563.4	-3,501.7	-127.8	3,498.4	1.02	0.97	0.32
10,837.0	90.60	178.00	7,563.3	-3,533.7	-126.7	3,530.4	2.52	2.50	-0.31

Wolverine Directional, LLC

Survey Report

Company:	RKI Exploration & Production	Local Co-ordinate Reference:	Well Pinnacle State 36-35H
Project:	Eddy County (NM83E)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 36-T22S-R28E	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	Pinnacle State 36-35H	North Reference:	True
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #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)	
10,869.0	90.70	178.10	7,562.9	-3,565.7	-125.6	3,562.4	0.44	0.31	0.31	
Last ST#1 MWD Survey										
10,928.0	90.70	178.10	7,562.2	-3,624.7	-123.7	3,621.4	0.00	0.00	0.00	
Proj to TD - Pinnacle State 36-35H REV PBHL - Pinnacle State 36-35H PBHL										

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
6,827.0	6,824.1	-38.6	-101.7	Tie on to OH Surveys	
6,858.0	6,855.0	-38.2	-102.5	First ST#1 MWD Survey	
10,869.0	7,562.9	-3,565.7	-125.6	Last ST#1 MWD Survey	
10,928.0	7,562.2	-3,624.7	-123.7	Proj to TD	

Checked By: _____	Approved By: _____	Date: _____
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