



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

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 30 2015

RECEIVED

January 5, 2015

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

30-015-4229D

RE: North Brushy Draw Fed Com 35-4H
175' FSL & 2365' FWL
Sec. 35, T25S, R29E
Eddy County, New Mexico

Dear Sir,

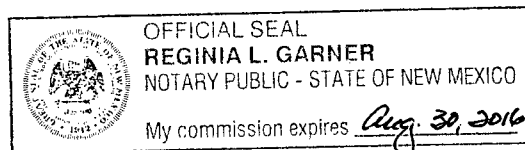
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 5th day of January, 2015.

Notary Public

North Brushy Draw Fed Com 35-4H

Date	Depth	Deviation	Direction	TVD
11/25/2014	239	1.10	0.00	0.00
11/26/2014	488	1.10	0.00	0.00
11/28/2014	735	0.30	303.80	0.00
11/28/2014	827	2.00	344.40	0.00
11/28/2014	919	0.30	0.00	0.00
11/28/2014	1011	0.40	318.30	0.00
11/28/2014	1102	0.40	322.20	0.00
11/28/2014	1193	0.40	314.20	0.00
11/29/2014	1319	0.70	293.00	0.00
11/29/2014	1414	0.60	266.00	0.00
11/29/2014	1477	0.60	297.00	0.00
11/29/2014	1509	0.40	148.00	0.00
11/29/2014	1604	0.50	255.00	0.00
11/29/2014	1667	0.40	345.10	0.00
11/29/2014	1762	0.70	287.40	0.00
11/29/2014	1857	0.40	209.80	0.00
11/29/2014	1951	0.60	172.60	1950.83
11/29/2014	2046	0.40	178.00	0.00
11/29/2014	2140	0.50	211.70	2139.83
11/30/2014	2235	0.40	242.00	0.00
11/30/2014	2329	0.40	260.00	0.00
11/30/2014	2424	0.40	255.00	0.00
11/30/2014	2519	0.20	152.00	0.00
11/30/2014	2613	0.30	127.80	0.00
11/30/2014	2708	0.70	105.90	0.00
11/30/2014	2803	1.00	101.90	0.00
11/30/2014	2898	0.90	122.60	0.00
11/30/2014	2993	0.40	224.00	2992.79
11/30/2014	3088	0.60	265.10	3087.78
12/1/2014	3182	0.70	267.00	0.00
12/1/2014	3278	1.70	285.90	0.00
12/1/2014	3373	3.30	280.60	0.00
12/1/2014	3468	5.00	272.40	0.00
12/1/2014	3563	5.80	272.30	0.00
12/1/2014	3658	5.70	271.50	3656.51
12/1/2014	3754	6.00	272.50	0.00
12/1/2014	3849	6.50	271.00	3846.45
12/1/2014	3943	6.90	270.20	3939.60
12/1/2014	4038	6.70	671.60	4034.14
12/2/2014	4134	6.50	270.00	0.00
12/2/2014	4229	6.80	270.00	0.00
12/2/2014	4324	6.70	270.00	0.00
12/2/2014	4419	6.90	271.00	0.00

Date	Depth	Deviation	Direction	TVD
12/2/2014	4513	6.80	271.00	4505.86
12/2/2014	4609	6.40	271.30	4601.23
12/2/2014	4704	6.20	269.80	4695.65
12/2/2014	4798	6.00	269.80	4789.12
12/2/2014	4893	6.00	269.90	0.00
12/2/2014	4988	6.40	270.70	0.00
12/2/2014	5084	6.50	272.50	0.00
12/3/2014	5178	6.60	274.00	0.00
12/3/2014	5273	7.10	273.00	0.00
12/3/2014	5368	7.20	274.30	5355.41
12/3/2014	5463	6.70	272.20	0.00
12/3/2014	5558	6.30	271.00	0.00
12/3/2014	5653	6.50	271.00	0.00
12/4/2014	5747	6.50	270.00	5731.90
12/4/2014	5842	5.80	269.20	5826.35
12/5/2014	5936	5.80	268.30	5919.87
12/5/2014	6030	6.00	269.90	0.00
12/5/2014	6125	6.50	270.90	0.00
12/6/2014	6219	6.50	272.60	6201.20
12/6/2014	6315	6.20	274.60	6295.62
12/6/2014	6409	5.80	276.20	6390.10
12/6/2014	6503	5.10	271.90	6483.68
12/6/2014	6598	4.20	268.90	6578.36
12/7/2014	6692	3.70	269.80	0.00
12/7/2014	6787	3.20	271.20	0.00
12/8/2014	6881	2.90	269.10	0.00
12/8/2014	6976	3.30	290.40	0.00
12/8/2014	7071	4.40	299.70	0.00
12/8/2014	7165	4.40	305.90	7144.21
12/12/2014	7303	3.60	303.90	7281.85
12/12/2014	7343	2.90	301.70	0.00
12/12/2014	7483	1.20	271.90	0.00
12/12/2014	7535	0.40	256.60	7513.71
12/12/2014	7629	0.30	356.60	0.00
12/12/2014	7723	0.70	75.30	7701.71
12/12/2014	7819	1.70	108.00	7796.69
12/12/2014	7913	2.70	127.70	7891.61
12/12/2014	8008	2.50	128.50	7986.52
12/12/2014	8103	2.30	129.60	8081.43
12/13/2014	8143	1.60	121.40	0.00
12/13/2014	8293	1.80	117.50	8271.34
12/13/2014	8388	2.30	136.40	8366.28
12/13/2014	8482	2.20	152.20	8461.21
12/13/2014	8578	2.40	164.50	8556.13
12/14/2014	8672	2.90	176.70	8650.03

Date	Depth	Deviation	Direction	TVD
12/14/2014	8767	2.40	164.00	0.00
12/14/2014	8862	1.20	127.40	8839.88
12/14/2014	8957	0.60	43.80	8934.87
12/14/2014	9061	0.80	11.00	9028.00
12/14/2014	9147	0.30	275.80	9124.00
12/14/2014	9242	1.00	240.70	0.00
12/14/2014	9338	1.50	218.40	9315.83
12/14/2014	9433	1.40	222.40	9410.80
12/14/2014	9528	0.90	237.80	9505.78
12/14/2014	9623	0.90	240.70	9600.77
12/15/2014	9719	1.00	242.40	9695.76
12/15/2014	9813	1.10	249.30	9790.74
12/16/2014	9877	0.70	269.40	9854.73
12/16/2014	9905	2.60	349.60	9886.22
12/16/2014	9936	6.70	357.90	9886.72
12/16/2014	9968	11.20	359.40	9917.62
12/16/2014	10000	15.20	0.80	9980.37
12/17/2014	10035	18.70	2.60	10010.02
12/17/2014	10067	21.80	3.20	10040.03
12/17/2014	10099	24.80	2.10	10069.42
12/17/2014	10131	28.10	0.90	10098.40
12/17/2014	10163	31.10	0.30	10125.89
12/17/2014	10194	34.00	0.30	10152.00
12/17/2014	10226	37.60	359.80	10178.00
12/17/2014	10258	40.80	0.20	10202.00
12/17/2014	10290	43.30	1.50	10226.00
12/17/2014	10321	46.20	2.30	10248.00
12/17/2014	10352	49.30	3.40	10269.00
12/17/2014	10384	52.10	4.30	10289.64
12/17/2014	10416	55.00	4.10	10308.65
12/17/2014	10448	58.10	3.60	10326.29
12/17/2014	10479	61.60	3.50	10341.86
12/17/2014	10511	63.00	3.60	10356.73
12/17/2014	10543	64.70	2.80	10370.83
12/18/2014	10607	70.10	1.20	10395.68
12/18/2014	10638	73.40	0.50	10405.38
12/18/2014	10669	74.30	0.60	10413.22
12/18/2014	10702	80.20	0.70	10419.47
12/18/2014	10733	82.50	1.10	10424.13
12/18/2014	10764	86.00	1.30	10427.33
12/19/2014	10796	89.10	1.40	10428.79
12/19/2014	10830	90.40	1.80	10428.93
12/19/2014	10861	91.00	2.10	10428.55
12/19/2014	10954	89.80	2.00	10427.80
12/19/2014	11018	89.90	0.90	0.00

Date	Depth	Deviation	Direction	TVD
12/19/2014	11144	90.10	0.10	10428.00
12/19/2014	11238	89.80	359.60	10428.12
12/19/2014	11333	89.60	359.00	0.00
12/20/2014	11429	89.70	358.60	10429.21
12/20/2014	11524	89.40	356.90	10429.96
12/20/2014	11618	88.60	357.70	10431.60
12/20/2014	11713	89.40	357.80	10433.26
12/20/2014	11808	89.40	358.50	10434.25
12/20/2014	11935	89.40	357.90	0.00
12/20/2014	11998	89.10	359.20	10436.49
12/20/2014	12092	89.20	0.80	10437.88
12/21/2014	12188	90.60	1.50	10438.05
12/21/2014	12283	91.40	0.90	10436.37
12/22/2014	12383	91.70	0.50	10433.67
12/22/2014	12483	92.90	1.00	10429.65
12/22/2014	12580	89.90	2.40	10427.29
12/23/2014	12676	90.30	2.20	10427.12
12/23/2014	12771	89.50	0.70	10427.28
12/23/2014	12866	90.10	0.50	10427.62
12/23/2014	12961	91.10	0.90	10426.62
12/23/2014	13056	89.20	1.00	10426.37
12/23/2014	13151	90.20	0.70	10426.87
12/23/2014	13246	90.20	1.10	10426.54
12/24/2014	13340	89.70	359.70	10426.62
12/24/2014	13435	89.90	358.50	0.00
12/24/2014	13530	90.10	357.50	10426.95
12/24/2014	13625	90.20	358.00	10426.70
12/24/2014	13720	89.60	358.10	10426.87
12/24/2014	13816	89.90	358.20	10427.28
12/26/2014	13912	92.30	358.60	10425.44
12/26/2014	14006	91.20	359.10	10422.57
12/26/2014	14102	89.50	358.20	10429.99
12/27/2014	14196	88.80	358.50	10423.40
12/27/2014	14290	89.10	358.50	10426.13
12/27/2014	14385	90.20	359.80	10425.71
12/27/2014	14481	88.60	0.40	10426.71
12/28/2014	14576	90.70	360.00	10427.29
12/28/2014	14670	88.30	358.70	10428.11

MAR 30 2015

Fax (432) 563-7966
Archer, DDS

10600 County Road 128 W
Odessa, Texas 79765
Tel. (432) 563-7962

RECEIVED

Archer

MWD Survey Certification

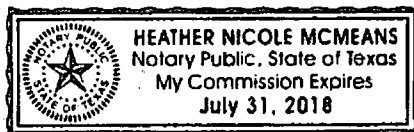
State of New Mexico
County of Eddy

I, John Tibbitts, certify that; I am employed by Archer Directional Drilling Services; that I did on the day(s) of 11/28/14 through 12/28/14, conduct or supervise the taking of MWD surveys from a depth of 643 feet to a depth of 14684 feet; that the data is true, correct, complete, and within the limitations of the tool as set forth by Archer Directional Drilling Services; that I am authorized and qualified to make this report; that these surveys were conducted at the request of RKI Exploration & Production LLC for the North Brushy Draw Federal Com 35 4H, (API# 30-015-42250) 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 Archer Directional Drilling Services.



John Tibbitts
MWD Operator

Cc: RKI Exploration & Production LLC



Heather McMeans
02/27/2015

Archer Survey Report

Company: Archer Directional

Location: 32° 4' 45.58N 103° 57' 19.80W

Well: North Brushy Draw Federal 35-4H

Rig: Silver Oak #14

API or UWI: 30-015-42290

Job Number: 433-1-14-0152

State: New Mexico

Operator: RKI Exploration & Production, LLC

County: Eddy

Magnetic Declination: 0.00

Comment Last Survey is a projection to bit.

Proposed Azimuth: 354.98

North Reference: GRID

Tiein Survey Data:

MD	Inclination	Azimuth	TVD	NS	EW
594.00	1.13	271.94	593.89	-0.94	-10.59

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
643.00	1.30	272.70	642.88	-0.90	-11.63	265.59	11.66	0.12	0.35
735.00	0.30	303.80	734.87	-0.71	-12.87	266.82	12.89	0.41	1.15
827.00	0.20	344.40	826.87	-0.43	-13.11	268.14	13.12	0.72	0.21
919.00	0.10	357.70	918.87	-0.19	-13.16	269.17	13.16	0.96	0.11
1011.00	0.40	318.60	1010.87	0.13	-13.38	270.56	13.38	1.30	0.36
1102.00	0.40	322.20	1101.87	0.62	-13.78	272.57	13.79	1.82	0.03
1193.00	0.40	314.20	1192.86	1.09	-14.20	274.40	14.25	2.33	0.06
1287.00	0.40	294.80	1286.86	1.46	-14.74	275.65	14.81	2.74	0.14
1382.00	0.70	286.60	1381.86	1.76	-15.59	276.45	15.69	3.12	0.33
1477.00	0.60	297.50	1476.85	2.16	-16.59	277.41	16.73	3.60	0.17
1572.00	0.40	345.00	1571.85	2.71	-17.12	278.99	17.33	4.20	0.47
1667.00	0.40	345.10	1666.84	3.35	-17.29	280.96	17.61	4.85	0.00
1762.00	0.70	287.40	1761.84	3.84	-17.93	282.10	18.34	5.40	0.62
1857.00	0.40	209.80	1856.84	3.73	-18.65	281.31	19.02	5.35	0.77
1951.00	0.60	172.60	1950.83	2.96	-18.75	278.96	18.98	4.59	0.39
2046.00	0.40	178.00	2045.83	2.13	-18.67	276.51	18.79	3.76	0.22
2140.00	0.50	211.70	2139.83	1.45	-18.87	274.41	18.93	3.10	0.30
2235.00	0.40	242.40	2234.82	0.95	-19.39	272.80	19.41	2.64	0.27
2329.00	0.40	260.40	2328.82	0.74	-20.00	272.12	20.01	2.49	0.13

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
2424.00	0.40	255.30	2423.82	0.60	-20.65	271.67	20.66	2.41	0.04
2519.00	0.20	152.40	2518.82	0.37	-20.89	271.02	20.90	2.20	0.51
2613.00	0.30	127.80	2612.82	0.08	-20.62	270.21	20.62	1.88	0.15
2708.00	0.70	105.90	2707.81	-0.24	-19.87	269.32	19.87	1.50	0.46
2803.00	1.00	101.90	2802.80	-0.57	-18.50	268.25	18.51	1.05	0.32
2898.00	0.90	122.60	2897.79	-1.14	-17.06	266.18	17.10	0.36	0.37
2993.00	0.40	224.00	2992.79	-1.78	-16.66	263.90	16.75	-0.32	1.11
3088.00	0.60	265.10	3087.78	-2.06	-17.39	263.24	17.51	-0.53	0.42
3182.00	0.70	267.90	3181.78	-2.12	-18.45	263.43	18.57	-0.50	0.11
3278.00	1.70	285.90	3277.76	-1.76	-20.41	265.08	20.48	0.04	1.10
3373.00	3.30	280.60	3372.66	-0.87	-24.45	267.97	24.46	1.28	1.70
3468.00	5.00	272.40	3467.41	-0.19	-31.27	269.65	31.27	2.55	1.89
3563.00	5.80	272.30	3561.99	0.18	-40.21	270.25	40.21	3.69	0.84
3658.00	5.70	271.50	3656.51	0.49	-49.72	270.57	49.72	4.84	0.13
3754.00	6.00	272.50	3752.01	0.84	-59.50	270.81	59.50	6.04	0.33
3849.00	6.50	271.00	3846.45	1.15	-69.83	270.94	69.84	7.25	0.55
3943.00	6.90	270.20	3939.80	1.26	-80.80	270.89	80.81	8.32	0.44
4038.00	6.70	271.60	4034.14	1.43	-92.05	270.89	92.06	9.48	0.27
4134.00	6.50	270.60	4129.50	1.65	-103.08	270.92	103.09	10.66	0.24
4229.00	6.80	270.00	4223.86	1.70	-114.08	270.86	114.09	11.68	0.32
4324.00	6.70	270.40	4318.20	1.74	-125.24	270.80	125.26	12.69	0.12
4419.00	6.90	271.50	4412.53	1.93	-136.49	270.81	136.50	13.87	0.25
4513.00	6.80	271.00	4505.86	2.18	-147.70	270.84	147.72	15.09	0.12
4609.00	6.40	271.30	4601.23	2.40	-158.73	270.86	158.75	16.28	0.42
4704.00	6.20	269.80	4695.65	2.50	-169.15	270.85	169.17	17.29	0.27
4798.00	6.00	269.80	4789.12	2.46	-179.14	270.79	179.16	18.13	0.21
4893.00	6.00	269.90	4883.60	2.44	-189.07	270.74	189.09	18.97	0.01
4988.00	6.40	270.70	4978.04	2.49	-199.33	270.72	199.35	19.93	0.43
5084.00	6.50	272.50	5073.44	2.80	-210.11	270.76	210.13	21.17	0.23
5178.00	6.60	274.00	5166.82	3.40	-220.82	270.88	220.84	22.71	0.21
5273.00	7.10	273.50	5261.14	4.14	-232.12	271.02	232.16	24.44	0.53
5368.00	7.20	274.30	5355.41	4.95	-243.92	271.16	243.97	26.27	0.15
5463.00	6.70	272.20	5449.71	5.61	-255.39	271.26	255.46	27.93	0.59
5558.00	6.30	271.00	5544.10	5.91	-266.14	271.27	266.21	29.18	0.44
5653.00	6.50	271.00	5638.50	6.10	-276.73	271.26	276.80	30.29	0.21

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
5747.00	6.50	270.00	5731.90	6.19	-287.37	271.23	287.44	31.31	0.12
5842.00	5.80	269.20	5826.35	6.12	-297.55	271.18	297.61	32.13	0.74
5936.00	5.80	268.30	5919.87	5.91	-307.04	271.10	307.10	32.76	0.10
6030.00	6.00	269.90	6013.37	5.77	-316.71	271.04	316.76	33.46	0.28
6125.00	6.50	270.90	6107.81	5.84	-327.05	271.02	327.10	34.44	0.54
6219.00	6.50	272.60	6201.20	6.17	-337.68	271.05	337.74	35.69	0.20
6314.00	6.20	274.60	6295.62	6.82	-348.17	271.12	348.23	37.26	0.39
6409.00	5.80	276.20	6390.10	7.75	-358.05	271.24	358.14	39.05	0.46
6503.00	5.10	271.90	6483.68	8.40	-366.95	271.31	367.05	40.48	0.86
6598.00	4.20	268.90	6578.36	8.48	-374.65	271.30	374.74	41.23	0.98
6692.00	3.70	269.80	6672.14	8.40	-381.12	271.26	381.22	41.72	0.54
6787.00	3.20	271.20	6766.97	8.44	-386.84	271.25	386.93	42.26	0.53
6881.00	2.90	269.10	6860.83	8.46	-391.84	271.24	391.93	42.72	0.34
6976.00	3.30	290.40	6955.70	9.38	-396.81	271.35	396.92	44.06	1.27
7071.00	4.40	299.70	7050.48	12.14	-402.53	271.73	402.72	47.31	1.33
7165.00	4.40	305.90	7144.21	16.04	-408.59	272.25	408.90	51.73	0.51
7203.00	4.40	307.40	7182.09	17.78	-410.93	272.48	411.31	53.67	0.30
7303.00	3.60	303.90	7281.85	21.86	-416.58	273.00	417.15	58.23	0.84
7345.00	2.90	301.70	7323.78	23.15	-418.58	273.17	419.22	59.69	1.69
7440.00	1.20	271.90	7418.72	24.45	-421.62	273.32	422.33	61.25	2.05
7535.00	0.40	256.60	7513.71	24.40	-422.93	273.30	423.64	61.32	0.86
7629.00	0.30	356.60	7607.71	24.57	-423.27	273.32	423.98	61.52	0.57
7723.00	0.70	75.30	7701.71	24.96	-422.73	273.38	423.46	61.86	0.75
7818.00	1.70	108.00	7796.69	24.68	-420.83	273.36	421.55	61.41	1.24
7913.00	2.70	127.70	7891.62	22.87	-417.71	273.13	418.34	59.34	1.31
8008.00	2.50	128.50	7986.52	20.21	-414.32	272.79	414.82	56.39	0.21
8103.00	2.30	129.60	8081.43	17.71	-411.23	272.47	411.61	53.63	0.22
8197.00	1.60	121.40	8175.38	15.82	-408.66	272.22	408.97	51.52	0.80
8293.00	1.80	117.50	8271.34	14.43	-406.18	272.03	406.43	49.92	0.24
8388.00	2.30	136.40	8366.28	12.36	-403.54	271.75	403.73	47.62	0.88
8483.00	2.20	152.20	8461.21	9.37	-401.37	271.34	401.48	44.45	0.66
8578.00	2.40	164.50	8556.13	5.84	-399.99	270.84	400.04	40.81	0.56
8672.00	2.90	176.70	8650.03	1.57	-399.33	270.22	399.33	36.50	0.80
8767.00	2.40	164.00	8744.93	-2.75	-398.64	269.61	398.65	32.15	0.81
8862.00	1.20	127.40	8839.88	-5.26	-397.30	269.24	397.34	29.52	1.69

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8957.00	0.60	43.80	8934.87	-5.51	-396.17	269.20	396.21	29.18	1.35
9051.00	0.80	11.00	9028.87	-4.51	-395.70	269.35	395.73	30.13	0.47
9147.00	0.30	275.80	9124.86	-3.82	-395.83	269.45	395.84	30.83	0.92
9242.00	1.00	240.70	9219.86	-4.21	-396.80	269.39	396.82	30.53	0.81
9338.00	1.50	218.40	9315.83	-5.60	-398.31	269.19	398.35	29.27	0.72
9433.00	1.40	222.40	9410.80	-7.43	-399.86	268.94	399.93	27.59	0.15
9528.00	0.90	237.80	9505.78	-8.69	-401.28	268.76	401.37	26.46	0.61
9623.00	0.90	240.70	9600.77	-9.45	-402.56	268.66	402.67	25.81	0.05
9718.00	1.00	242.40	9695.76	-10.20	-403.94	268.55	404.07	25.19	0.11
9813.00	1.10	249.30	9790.74	-10.90	-405.53	268.46	405.68	24.62	0.17
9877.00	0.70	269.40	9854.74	-11.13	-406.50	268.43	406.65	24.49	0.79
9909.00	2.60	349.60	9886.72	-10.41	-406.82	268.53	406.96	25.22	8.05
9940.00	6.70	357.90	9917.62	-7.91	-407.02	268.89	407.09	27.73	13.37
9972.00	11.20	359.40	9949.22	-2.94	-407.12	269.59	407.13	32.70	14.08
10004.00	15.20	0.80	9980.37	4.37	-407.09	270.61	407.12	39.97	12.54
10035.00	18.70	2.60	10010.02	13.40	-406.81	271.89	407.03	48.94	11.42
10067.00	21.80	3.20	10040.03	24.46	-406.24	273.45	406.98	59.91	9.71
10099.00	24.80	2.10	10069.42	37.10	-405.67	275.23	407.36	72.45	9.47
10131.00	28.10	0.90	10098.07	51.35	-405.30	277.22	408.54	86.61	10.45
10163.00	31.10	0.30	10125.89	67.15	-405.14	279.41	410.67	102.34	9.42
10194.00	34.00	0.30	10152.02	83.83	-405.05	281.69	413.64	118.95	9.35
10226.00	37.60	359.80	10177.97	102.54	-405.04	284.21	417.82	137.59	11.29
10258.00	40.80	0.20	10202.76	122.76	-405.04	286.86	423.23	157.74	10.03
10290.00	43.30	1.50	10226.52	144.19	-404.71	289.61	429.63	179.05	8.27
10321.00	46.20	2.30	10248.54	166.00	-403.99	292.34	436.76	200.72	9.53
10352.00	49.30	3.40	10269.38	188.92	-402.84	295.12	444.94	223.44	10.34
10384.00	52.10	4.30	10289.64	213.62	-401.17	298.03	454.51	247.90	9.02
10416.00	55.00	4.10	10308.65	239.29	-399.29	300.93	465.50	273.31	9.08
10448.00	58.10	3.60	10326.29	265.92	-397.50	303.78	478.25	299.69	9.77
10479.00	61.60	3.50	10341.86	292.68	-395.84	306.48	492.29	326.19	11.29
10511.00	63.00	3.60	10356.73	320.95	-394.09	309.16	508.25	354.21	4.38
10543.00	64.70	2.80	10370.83	349.63	-392.48	311.70	525.63	382.63	5.77
10575.00	66.90	1.80	10383.95	378.79	-391.32	314.07	544.62	411.58	7.44
10607.00	70.10	1.20	10395.68	408.55	-390.54	316.29	565.19	441.16	10.15
10638.00	73.40	0.50	10405.38	437.99	-390.10	318.31	586.53	470.44	10.86

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
10669.00	77.30	0.60	10413.22	467.97	-389.82	320.21	609.06	500.29	12.58
10701.00	80.20	0.70	10419.47	499.35	-389.46	322.05	633.27	531.51	9.07
10732.00	82.50	1.10	10424.13	529.99	-388.98	323.72	657.42	562.00	7.53
10764.00	86.00	1.30	10427.33	561.82	-388.31	325.35	682.95	593.64	10.96
10796.00	89.10	1.40	10428.70	593.78	-387.56	326.87	709.06	625.41	9.69
10828.00	90.40	1.80	10428.84	625.76	-386.66	328.29	735.59	657.20	4.25
10859.00	91.00	2.10	10428.46	656.74	-385.61	329.58	761.58	687.97	2.16
10954.00	89.80	2.00	10427.80	751.68	-382.21	333.05	843.27	782.24	1.27
11049.00	89.90	0.90	10428.05	846.65	-379.81	335.84	927.93	876.63	1.16
11144.00	90.10	0.10	10428.05	941.64	-378.98	338.08	1015.04	971.19	0.87
11238.00	89.80	359.60	10428.13	1035.64	-379.22	339.89	1102.89	1064.85	0.62
11333.00	89.60	359.00	10428.63	1130.63	-380.38	341.41	1192.90	1159.58	0.67
11429.00	89.70	358.60	10429.21	1226.61	-382.40	342.69	1284.83	1255.36	0.43
11524.00	89.40	356.90	10429.96	1321.53	-386.12	343.71	1376.78	1350.25	1.82
11618.00	88.60	357.70	10431.60	1415.41	-390.55	344.57	1468.30	1444.15	1.20
11713.00	89.40	357.80	10433.26	1510.32	-394.28	345.37	1560.94	1539.03	0.85
11808.00	89.40	358.50	10434.25	1605.27	-397.35	346.10	1653.71	1633.88	0.74
11904.00	89.40	357.90	10435.26	1701.21	-400.36	346.76	1747.69	1729.72	0.62
11998.00	89.10	359.20	10436.49	1795.17	-402.74	347.36	1839.79	1823.53	1.42
12092.00	89.20	0.80	10437.88	1889.16	-402.74	347.97	1931.61	1917.15	1.71
12187.00	90.60	1.50	10438.05	1984.14	-400.83	348.58	2024.22	2011.60	1.65
12283.00	91.40	0.90	10436.37	2080.10	-398.82	349.15	2117.99	2107.02	1.04
12383.00	91.70	0.50	10433.67	2180.05	-397.60	349.66	2216.02	2206.48	0.50
12483.00	92.90	1.00	10429.66	2279.96	-396.30	350.14	2314.15	2305.90	1.30
12580.00	89.90	2.40	10427.29	2376.88	-393.42	350.60	2409.22	2402.19	3.41
12676.00	90.30	2.20	10427.12	2472.80	-389.57	351.05	2503.30	2497.40	0.47
12771.00	89.50	0.70	10427.28	2567.77	-387.16	351.43	2596.79	2591.80	1.79
12866.00	90.10	0.50	10427.62	2662.76	-386.17	351.75	2690.62	2686.34	0.67
12961.00	91.10	0.90	10426.62	2757.75	-385.01	352.05	2784.49	2780.86	1.13
13056.00	89.20	1.00	10426.37	2852.73	-383.43	352.34	2878.38	2875.34	2.00
13151.00	90.20	0.70	10426.87	2947.72	-382.02	352.62	2972.37	2969.84	1.10
13246.00	90.20	1.10	10426.54	3042.70	-380.53	352.87	3066.41	3064.33	0.42
13340.00	89.70	359.70	10426.62	3136.70	-379.87	353.09	3159.62	3157.91	1.58
13435.00	89.90	358.50	10426.95	3231.68	-381.37	353.27	3254.11	3252.66	1.28
13530.00	90.10	357.50	10426.95	3326.63	-384.68	353.40	3348.79	3347.53	1.07

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
13625.00	90.20	358.00	10426.70	3421.55	-388.41	353.52	3443.53	3442.41	0.54
13720.00	89.60	358.10	10426.87	3516.50	-391.64	353.65	3538.24	3537.28	0.64
13816.00	89.90	358.20	10427.29	3612.44	-394.74	353.76	3633.95	3633.13	0.33
13912.00	92.30	358.60	10425.44	3708.38	-397.42	353.88	3729.62	3728.93	2.53
14006.00	91.20	359.10	10422.57	3802.32	-399.31	354.00	3823.23	3822.67	1.29
14101.00	89.50	358.20	10421.99	3897.28	-401.55	354.12	3917.92	3917.47	2.02
14196.00	88.80	358.50	10423.40	3992.23	-404.28	354.22	4012.65	4012.30	0.80
14290.00	89.10	358.50	10425.13	4086.19	-406.74	354.32	4106.38	4106.10	0.32
14385.00	90.20	359.80	10425.71	4181.17	-408.15	354.42	4201.04	4200.85	1.79
14481.00	88.60	0.40	10426.71	4277.16	-407.98	354.55	4296.58	4296.46	1.78
14576.00	90.70	0.00	10427.29	4372.15	-407.65	354.67	4391.12	4391.05	2.25
14670.00	88.30	358.70	10428.11	4466.14	-408.72	354.77	4484.80	4484.77	2.90
14684.00	88.30	358.30	10428.53	4480.12	-409.08	354.78	4498.76	4498.74	2.86
14736.00	88.30	358.30	10430.07	4532.08	-410.63	354.82	4550.64	4550.63	0.00