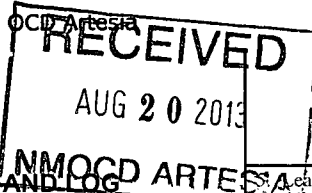


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.
NMNM91078

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator RKI EXPLORATION & PROD LLC Contact: JODY NOERDLINGER E-Mail: jnoerdlinger@rkixp.com			8. Lease Name and Well No. LONGVIEW FEDERAL 12 15H		
3. Address 210 PARK AVE SUITE 900 OKLAHOMA CITY, OK 73102			9. API Well No. 30-015-41092-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 12 T23S R28E Mer NMP At surface NENW 835FNL 2010FWL Sec 12 T23S R28E Mer NMP At top prod interval reported below NENW 777FNL 2028FWL Sec 1 T23S R28E Mer NMP At total depth NENW 348FNL 2332FWL			10. Field and Pool, or Exploratory CULEBRA BLUFF		
14. Date Spudded 02/25/2013			15. Date T.D. Reached 03/22/2013		
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/24/2013			17. Elevations (DF, KB, RT, GL)* 3074 KB		
18. Total Depth: MD TVD 14000 8399		19. Plug Back T.D.: MD TVD 13983 8398		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) POROSITY RESISTIVITY CBL			22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	275		275		0	
12.250	9.625 J-55	40.0	0	3951		1400		0	
8.750	7.000 P-110	29.0	0	8806	5505	725		2900	
6.500	4.500 HCP-110	11.6	8027	13983					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8940	13931	8940 TO 13931			open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8940 TO 13931	bbls fluid, 37837100# sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
07/24/2013	07/25/2013	24	→	276.0	638.0	1139.0	43.0	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
22/64	530 0	550.0	→	276	638	1139	2	POW

28a. Production - Interval B

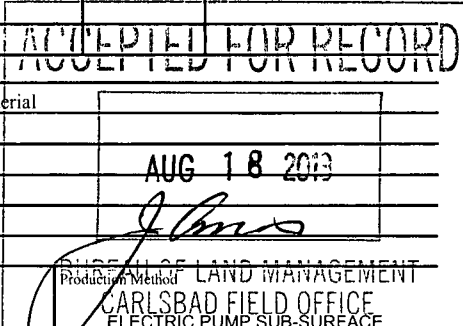
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #215217 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

RECLAMATION
DUE 1-24-14



28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				DELAWARE BRUSHY CANYON BONE SPRING	2703 5006 6286

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #215217 Verified by the BLM Well Information System.
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 08/07/2013 (13KMS6925SE)

Name (please print) JODY NOERDLINGERTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 07/30/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

TERRA PILOT MWD SURVEY REPORT



Company: RKI
 Well: Longview Federal 12-15H
 Location: Eddy Co NM
 Rig: Silver oaks 9

Job Number: TPNM13-02-067
 Magnetic Decl.: 7.6
 Grid Corr.:
 Total Grid Corr.: 7.6

Calculation Method: Minimum Curvature
 Proposed Azimuth: 3.31
 WELL API #: 30-015-41092
 Tie Into: GYRO

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 In	GYRO	7718	2.36	241.80		7716.2	-40.01	-40.89	14.06	43.24	161.03	1.48	
1	mwd	7793.00	2.00	258.80	75	7791.15	-41.14	41.87 S	11.42 E	43.40	164.75	0.98	-0.48
2	mwd	7825.00	1.70	270.40	32	7823.13	-41.31	41.98 S	10.39 E	43.25	166.09	1.49	-0.94
3	mwd	7856.00	3.00	319.10	31	7854.11	-40.75	41.36 S	9.40 E	42.42	167.19	7.33	4.19
4	mwd	7888.00	5.50	347.90	32	7886.02	-38.67	39.23 S	8.53 E	40.15	167.73	10.04	7.81
5	mwd	7920.00	8.20	359.50	32	7917.79	-34.92	35.45 S	8.19 E	36.38	166.99	9.44	8.44
6	mwd	7952.00	11.10	3.40	32	7949.33	-29.56	30.09 S	8.35 E	31.23	164.48	9.28	9.06
7	mwd	7983.00	14.10	2.00	31	7979.58	-22.80	23.34 S	8.66 E	24.89	159.64	9.73	9.68
8	mwd	8015.00	16.90	1.60	32	8010.42	-14.25	14.79 S	8.93 E	17.27	148.88	8.76	8.75
9	mwd	8047.00	20.00	0.00	32	8040.77	-4.13	4.66 S	9.06 E	10.19	117.25	9.82	9.69
10	mwd	8079.00	23.30	0.90	32	8070.51	7.66	7.14 N	9.16 E	11.61	52.06	10.36	10.31
11	mwd	8111.00	26.70	1.60	32	8099.50	21.17	20.66 N	9.46 E	22.72	24.60	10.66	10.63
12	mwd	8142.00	30.00	4.60	31	8126.78	35.88	35.35 N	10.27 E	36.81	16.21	11.59	10.65
13	mwd	8174.00	32.90	5.10	32	8154.08	52.57	51.98 N	11.69 E	53.28	12.67	9.10	9.06
14	mwd	8205.00	35.20	4.60	31	8179.76	69.92	69.28 N	13.15 E	70.52	10.75	7.47	7.42
15	mwd	8236.00	37.20	3.60	31	8204.78	88.23	87.54 N	14.46 E	88.72	9.38	6.73	6.45
16	mwd	8267.00	38.80	0.70	31	8229.21	107.30	106.61 N	15.17 E	107.68	8.10	7.73	5.16
17	mwd	8299.00	42.10	0.60	32	8253.56	128.04	127.36 N	15.40 E	128.29	6.89	10.31	10.31
18	mwd	8330.00	45.70	1.40	31	8275.89	149.51	148.85 N	15.78 E	149.68	6.05	11.75	11.61
19	mwd	8362.00	49.80	2.70	32	8297.40	173.19	172.52 N	16.64 E	173.32	5.51	13.16	12.81
20	mwd	8393.00	52.90	3.40	31	8316.76	197.40	196.69 N	17.93 E	197.50	5.21	10.15	10.00
21	mwd	8425.00	55.90	2.50	32	8335.39	223.41	222.67 N	19.26 E	223.50	4.94	9.65	9.38
22	mwd	8456.00	59.50	1.40	31	8351.95	249.60	248.85 N	20.15 E	249.67	4.63	11.99	11.61
23	mwd	8488.00	63.80	1.10	32	8367.14	277.74	277.00 N	20.76 E	277.78	4.29	13.46	13.44
24	mwd	8518.00	67.60	1.10	30	8379.48	305.06	304.33 N	21.29 E	305.08	4.00	12.67	12.67
25	mwd	8550.00	70.60	0.40	32	8390.90	334.92	334.22 N	21.68 E	334.92	3.71	9.60	9.38
26	mwd	8582.00	72.60	0.40	32	8401.00	365.24	364.58 N	21.89 E	365.24	3.44	6.25	6.25
27	mwd	8613.00	73.20	0.40	31	8410.11	394.83	394.21 N	22.09 E	394.83	3.21	1.94	1.94
28	mwd	8644.00	75.20	0.40	31	8418.55	424.62	424.04 N	22.30 E	424.63	3.01	6.45	6.45
29	mwd	8675.00	78.20	1.60	31	8425.68	454.76	454.20 N	22.83 E	454.77	2.88	10.38	9.68
30	mwd	8706.00	80.80	2.70	31	8431.33	485.23	484.66 N	23.98 E	485.25	2.83	9.08	8.39
31	mwd	8738.00	83.40	3.40	32	8435.73	516.92	516.30 N	25.66 E	516.94	2.85	8.41	8.13
32	mwd	8769.00	85.60	3.60	31	8438.70	547.78	547.10 N	27.55 E	547.79	2.88	7.13	7.10

TERRA PILOT MWD SURVEY REPORT



Company: RKI
 Well: Longview Federal 12-15H
 Location: Eddy Co NM
 Rig: Silver oaks 9

Job Number: TPNM13-02-067
 Magnetic Decl.: 7.6
 Grid Corr.:
 Total Grid Corr.: 7.6

Calculation Method: Minimum Curvature
 Proposed Azimuth: 3.31
 WELL API #: 30-015-41092
 Tie Into: GYRO

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)		
33	mwd	8910.00	88.60	4.40	141	8445.84	688.57	687.56 N	37.37 E	688.58	3.11	2.20	2.13
34	mwd	8942.00	88.50	4.40	32	8446.64	720.56	719.46 N	39.82 E	720.56	3.17	0.31	-0.31
35	mwd	8974.00	89.30	4.10	32	8447.26	752.55	751.36 N	42.20 E	752.55	3.21	2.67	2.50
36	mwd	9006.00	89.00	4.10	32	8447.73	784.54	783.28 N	44.48 E	784.54	3.25	0.94	-0.94
37	mwd	9037.00	89.30	3.70	31	8448.19	815.53	814.20 N	46.59 E	815.53	3.28	1.61	0.97
38	mwd	9069.00	89.30	3.40	32	8448.58	847.53	846.14 N	48.57 E	847.53	3.29	0.94	0.00
39	mwd	9101.00	90.40	3.20	32	8448.67	879.53	878.08 N	50.41 E	879.53	3.29	3.49	3.44
40	mwd	9132.00	90.30	2.70	31	8448.48	910.53	909.04 N	52.01 E	910.53	3.27	1.64	-0.32
41	mwd	9164.00	90.00	2.50	32	8448.40	942.53	941.01 N	53.46 E	942.53	3.25	1.13	-0.94
42	mwd	9196.00	89.70	2.00	32	8448.48	974.52	972.98 N	54.72 E	974.52	3.22	1.82	-0.94
43	mwd	9227.00	89.50	1.40	31	8448.70	1005.51	1003.97 N	55.64 E	1005.51	3.17	2.04	-0.65
44	mwd	9259.00	89.30	1.40	32	8449.03	1037.49	1035.96 N	56.42 E	1037.49	3.12	0.62	-0.63
45	mwd	9291.00	91.50	0.60	32	8448.81	1069.46	1067.95 N	56.98 E	1069.47	3.05	7.32	6.88
46	mwd	9322.00	92.20	0.40	31	8447.81	1100.40	1098.93 N	57.25 E	1100.42	2.98	2.35	2.26
47	mwd	9354.00	92.70	0.20	32	8446.44	1132.33	1130.90 N	57.42 E	1132.36	2.91	1.68	1.56
48	mwd	9386.00	93.00	0.00	32	8444.85	1164.24	1162.86 N	57.47 E	1164.28	2.83	1.13	0.94
49	mwd	9417.00	93.00	0.20	31	8443.22	1195.15	1193.82 N	57.53 E	1195.21	2.76	0.64	0.00
50	mwd	9449.00	93.10	0.00	32	8441.52	1227.06	1225.78 N	57.58 E	1227.13	2.69	0.70	0.31
51	mwd	9481.00	92.80	1.40	32	8439.88	1258.98	1257.73 N	57.97 E	1259.07	2.64	4.47	-0.94
52	mwd	9513.00	92.90	1.80	32	8438.28	1290.92	1289.68 N	58.86 E	1291.02	2.61	1.29	0.31
53	mwd	9544.00	92.90	1.60	31	8436.72	1321.87	1320.62 N	59.78 E	1321.98	2.59	0.64	0.00
54	mwd	9576.00	91.20	2.90	32	8435.57	1353.85	1352.58 N	61.04 E	1353.95	2.58	6.69	-5.31
55	mwd	9608.00	90.80	2.90	32	8435.01	1385.84	1384.53 N	62.66 E	1385.95	2.59	1.25	-1.25
56	mwd	9639.00	91.00	2.90	31	8434.53	1416.83	1415.49 N	64.22 E	1416.94	2.60	0.65	0.65
57	mwd	9671.00	91.00	4.10	32	8433.97	1448.83	1447.42 N	66.18 E	1448.93	2.62	3.75	0.00
58	mwd	9766.00	91.00	3.70	95	8432.31	1543.81	1542.19 N	72.64 E	1543.90	2.70	0.42	0.00
59	mwd	9861.00	90.80	2.70	95	8430.82	1638.80	1637.03 N	77.94 E	1638.88	2.73	1.07	-0.21
60	mwd	9956.00	90.30	2.30	95	8429.91	1733.78	1731.93 N	82.08 E	1733.88	2.71	0.67	-0.53
61	mwd	10050.00	90.50	4.10	94	8429.25	1827.78	1825.78 N	87.33 E	1827.87	2.74	1.93	0.21
62	mwd	10145.00	91.60	3.70	95	8427.51	1922.75	1920.54 N	93.79 E	1922.83	2.80	1.23	1.16
63	mwd	10240.00	91.10	4.60	95	8425.27	2017.71	2015.26 N	100.66 E	2017.78	2.86	1.08	-0.53
64	mwd	10334.00	91.80	4.10	94	8422.89	2111.67	2108.96 N	107.79 E	2111.72	2.93	0.92	0.74
65	mwd	10429.00	90.60	4.40	95	8420.90	2206.63	2203.68 N	114.83 E	2206.67	2.98	1.30	-1.26
66	mwd	10524.00	90.90	3.70	95	8419.66	2301.62	2298.43 N	121.54 E	2301.64	3.03	0.80	0.32
67	mwd	10618.00	89.30	2.70	94	8419.49	2395.61	2392.28 N	126.79 E	2395.64	3.03	2.01	-1.70
68	mwd	10713.00	90.00	3.60	95	8420.07	2490.61	2487.14 N	132.01 E	2490.64	3.04	1.20	0.74

TERRA PILOT MWD SURVEY REPORT



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 Well: Longview Federal 12-15H
 Location: Eddy Co NM
 Rig: Silver oaks 9

Job Number: TPNM13-02-067
 Magnetic Decl.: 7.6
 Grid Corr.:
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Calculation Method: Minimum Curvature
 Proposed Azimuth: 3.31
 WELL API #: 30-015-41092
 Tie Into: GYRO

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)		
69	mwd	10807.00	90.70	3.20	94	8419.50	2584.61	2580.97 N	137.58 E	2584.63	3.05	0.86	0.74
70	mwd	10902.00	90.60	2.50	95	8418.42	2679.60	2675.84 N	142.30 E	2679.62	3.04	0.74	-0.11
71	mwd	10996.00	90.30	4.30	94	8417.68	2773.59	2769.67 N	147.88 E	2773.62	3.06	1.94	-0.32
72	mwd	11091.00	90.20	4.30	95	8417.27	2868.57	2864.40 N	155.00 E	2868.59	3.10	0.11	-0.11
73	mwd	11185.00	89.50	3.20	94	8417.52	2962.57	2958.20 N	161.15 E	2962.58	3.12	1.39	-0.74
74	mwd	11280.00	89.70	4.30	95	8418.18	3057.56	3052.99 N	167.36 E	3057.58	3.14	1.18	0.21
75	mwd	11375.00	90.90	4.60	95	8417.68	3152.54	3147.70 N	174.73 E	3152.55	3.18	1.30	1.26
76	mwd	11469.00	89.40	3.60	94	8417.44	3246.53	3241.46 N	181.45 E	3246.53	3.20	1.92	-1.60
77	mwd	11564.00	89.30	4.10	95	8418.51	3341.52	3336.24 N	187.83 E	3341.52	3.22	0.54	-0.11
78	mwd	11658.00	89.70	4.10	94	8419.33	3435.50	3429.99 N	194.55 E	3435.51	3.25	0.43	0.43
79	mwd	11753.00	91.50	4.10	95	8418.34	3530.49	3524.74 N	201.34 E	3530.49	3.27	1.89	1.89
80	mwd	11847.00	91.50	3.40	94	8415.88	3624.45	3618.51 N	207.49 E	3624.45	3.28	0.74	0.00
81	mwd	11942.00	91.00	2.50	95	8413.81	3719.42	3713.36 N	212.38 E	3719.42	3.27	1.08	-0.53
82	mwd	12037.00	91.00	2.20	95	8412.15	3814.40	3808.26 N	216.27 E	3814.40	3.25	0.32	0.00
83	mwd	12131.00	89.50	0.60	94	8411.74	3908.34	3902.23 N	218.57 E	3908.34	3.21	2.33	-1.60
84	mwd	12226.00	89.10	359.90	95	8412.90	4003.19	3997.22 N	218.98 E	4003.21	3.14	0.85	-0.42
85	mwd	12320.00	88.90	0.40	94	8414.54	4097.04	4091.20 N	219.23 E	4097.07	3.07	0.57	-0.21
86	mwd	12415.00	89.30	2.00	95	8416.03	4191.96	4186.17 N	221.22 E	4192.01	3.02	1.74	0.42
87	mwd	12509.00	90.60	3.20	94	8416.11	4285.95	4280.07 N	225.48 E	4286.00	3.02	1.88	1.38
88	mwd	12604.00	92.40	4.10	95	8413.63	4380.91	4374.84 N	231.53 E	4380.96	3.03	2.12	1.89
89	mwd	12698.00	93.00	3.90	94	8409.20	4474.79	4468.50 N	238.08 E	4474.84	3.05	0.67	0.64
90	mwd	12794.00	93.20	5.50	96	8404.01	4570.62	4564.04 N	245.93 E	4570.66	3.08	1.68	0.21
91	mwd	12889.00	91.50	6.70	95	8400.11	4665.43	4658.41 N	256.02 E	4665.44	3.15	2.19	-1.79
92	mwd	12984.00	90.50	5.50	95	8398.45	4760.30	4752.86 N	266.11 E	4760.30	3.20	1.64	-1.05
93	mwd	13078.00	90.70	4.80	94	8397.47	4854.24	4846.47 N	274.55 E	4854.24	3.24	0.77	0.21
94	mwd	13173.00	91.40	4.40	95	8395.73	4949.20	4941.15 N	282.17 E	4949.20	3.27	0.85	0.74
95	mwd	13268.00	90.80	4.80	95	8393.90	5044.16	5035.83 N	289.78 E	5044.16	3.29	0.76	-0.63
96	mwd	13362.00	91.00	4.80	94	8392.43	5138.11	5129.49 N	297.65 E	5138.11	3.32	0.21	0.21
97	mwd	13457.00	89.30	3.40	95	8392.18	5233.10	5224.24 N	304.44 E	5233.10	3.34	2.32	-1.79
98	mwd	13552.00	90.70	3.40	95	8392.18	5328.10	5319.07 N	310.07 E	5328.10	3.34	1.47	1.47
99	mwd	13647.00	92.00	2.50	95	8389.94	5423.07	5413.91 N	314.96 E	5423.07	3.33	1.66	1.37
100	mwd	13742.00	89.00	1.80	95	8389.11	5518.03	5508.83 N	318.53 E	5518.03	3.31	3.24	-3.16
101	mwd	13837.00	88.10	0.90	95	8391.52	5612.94	5603.77 N	320.76 E	5612.94	3.28	1.34	-0.95
102	mwd	13931.00	89.40	0.20	94	8393.57	5706.81	5697.74 N	321.67 E	5706.81	3.23	1.57	1.38
103	mwd	13951.00	89.70	0.20	20	8393.72	5726.78	5717.74 N	321.74 E	5726.79	3.22	1.50	1.50
104	PTB	14000.00	89.70	0.20	49	8393.98	5775.71	5766.74 N	321.91 E	5775.72	3.20	0.00	0.00