

WR-35  
Rev (8-10)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: \_\_\_\_\_  
API #: 47-4702814

Farm name: Berwind Land Company Operator Well No.: CBM-MC127

LOCATION: Elevation: 2,062.51' Quadrangle: Amonate

District: Big Creek County: McDowell  
Latitude: 350 Feet South of 37 Deg. 15 Min. 00 Sec.  
Longitude 7.540 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: CNK Gas Company LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
2481 John Nash Blvd., Bluefield, WV 24701	13 3/8"	36'	36'	n/a
Agent: John H. Johnston	7"	381.95'	381.95'	100 sks
Inspector: Gary L. Kennedy	4 1/2"	1,560'	1,560'	105 sks
Date Permit Issued: 7/18/2011				
Date Well Work Commenced: 10/31/2011				
Date Well Work Completed: 11/09/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 1,750 DTD				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): 50 (damp)				
Salt Water Depth (ft.): n/a				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation NO OPEN FLOW TEST CONDUCTED Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

BMy  
Signature

5/1/12  
Date

Butford Myers, Vice Pres-VA Gas Ops.



Well Number MC-127  
 Completion Date 11/28/2011  
 Total Depth 1711.9  
 Permit Number 47-4702814

	Zone 1	Zone 2	Zone 3
Coals	P3, P4, P5	P5R, COALS	COAL, P8, P9L, P9, LH
MC-127	MC-127	MC-127	MC-127
Nitrogen (MMSCF)	0.336	0.296	0.359
Water (BBLs)	184	204	189
Sand (SXS 20/40)	150	250	250
Sand (SXS 12/20)	60	48	57
Top Perf	1210	1096.5	747.5
Bottom Perf.	1318	1155	912
# Perfs	12	20	24
Perf Size	0.45	0.45	0.45
Break. Press.	3720	3115	2524
Avg. Rate	13.1	13	14.2
ISIP	2110	1675	2290
Min	5	5	5
Min Press.			
Avg. Press.	3165	3015	2940
Stimulated	Y	Y	Y
Stim. Date	11/28/2011	11/28/2011	11/28/2011

Permittee CNX GAS LLC

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## Exhibit A

Well Name: 11 CBM MC127  
 SURFACE ELEV: 2062.51 EASTING: 1058788.47 NORTHING:  
 349519.26

SEAM REMARKS	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)
US3	179.90	181.40	1882.61	1.50
	181.40	181.90	1881.11	0.50
US3	181.90	182.60	1880.61	0.70
	182.60	269.90	1879.91	87.30
GC	269.90	271.20	1792.61	1.30
	271.20	348.00	1791.31	76.80
SE1	348.00	349.40	1714.51	1.40
	349.40	367.00	1713.11	17.60
LS	367.00	368.60	1695.51	1.60
	368.60	409.50	1693.91	40.90
BY	409.50	411.30	1653.01	1.80
	411.30	418.20	1651.21	6.90
UH3	418.20	419.20	1644.31	1.00
	419.20	419.80	1643.31	0.60
UH3	419.80	420.90	1642.71	1.10
	420.90	449.90	1641.61	29.00
UH2	449.90	451.10	1612.61	1.20
	451.10	498.10	1611.41	47.00
MH	498.10	499.90	1564.41	1.80
	499.90	578.10	1562.61	78.20
*C	578.10	578.80	1484.41	0.70
	578.80	693.30	1483.71	114.50
*LH3	693.30	693.50	1369.21	0.20
	693.50	747.50	1369.01	54.00
*LH	747.50	748.50	1315.01	1.00
	748.50	766.90	1314.01	18.40
*9A	766.90	767.20	1295.61	0.30
	767.20	769.90	1295.31	2.70
*92	769.90	770.20	1292.61	0.30
	770.20	787.10	1292.31	16.90
*P9	787.10	788.90	1275.41	1.80
	788.90	802.30	1273.61	13.40
*P9L	802.30	802.90	1260.21	0.60
	802.90	833.00	1259.61	30.10
*P8	833.00	833.70	1229.51	0.70
	833.70	837.80	1228.81	4.10
*COAL	837.80	838.00	1224.71	0.20
	838.00	910.80	1224.51	72.80
*COAL	910.80	911.80	1151.71	1.00

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	911.80	966.40	1150.71	54.60
*COAL	966.40	966.60	1096.11	0.20
	966.60	1068.70	1095.91	102.10
*COAL	1068.70	1069.00	993.81	0.30
	1069.00	1096.90	993.51	27.90
*COAL	1096.90	1098.40	965.61	1.50
	1098.40	1135.10	964.11	36.70
*COAL	1135.10	1136.90	927.41	1.80
	1136.90	1153.20	925.61	16.30
*P5R	1153.20	1154.80	909.31	1.60
	1154.80	1210.00	907.71	55.20
*P5	1210.00	1211.00	852.51	1.00
	1211.00	1234.20	851.51	23.20
*P4	1234.20	1235.00	828.31	0.80
	1235.00	1250.60	827.51	15.60
*P4L	1250.60	1250.80	811.91	0.20
	1250.80	1315.70	811.71	64.90
*COAL	1315.70	1315.80	746.81	0.10
	1315.80	1316.10	746.71	0.30
*COAL	1316.10	1316.20	746.41	0.10
	1316.20	1316.90	746.31	0.70
*P3	1316.90	1317.90	745.61	1.00
	1317.90	1318.10	744.61	0.20
*COAL	1318.10	1318.30	744.41	0.20
	1318.30	1373.80	744.21	55.50
*COAL	1373.80	1373.90	688.71	0.10
	1373.90	1389.70	688.61	15.80
*COAL	1389.70	1390.00	672.81	0.30
	1390.00	1393.00	672.51	3.00
*COAL	1393.00	1393.10	669.51	0.10
	1393.10	1438.40	669.41	45.30
*COAL	1438.40	1438.50	624.11	0.10
	1438.50	1510.80	624.01	72.30
*SJ2	1510.80	1511.10	551.71	0.30
	1511.10	1513.60	551.41	2.50
*COAL	1513.60	1513.90	548.91	0.30
	1513.90	1514.70	548.61	0.80
*COAL	1514.70	1514.90	547.81	0.20
	1514.90	1750.00	547.61	235.10

GAMMA-CALIPER LOG FROM 0 TO 388.00

GAMMA-DENSITY LOG FROM 388.00 TO TD.

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

FILE: C:\COMPLETE\MC127.CMP

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COMPANY CNX GAS CO LLC  
 HOLE MC-127  
 RIG #: 294  
 LOCATION: BERWIND LAKE RD, WV

DATE STARTED: 10/31/2011  
 DATE COMPLETED: 11/9/2011

ELECTRIC LOGGED: YES  
 GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC.
0		36	36 OVERBURDEN
36		60	24 SAND/SHALE
60		70	10 SAND
70		72	2 COAL
72		90	18 SAND/SHALE
90		120	30 SAND/SHALE
120		150	30 SAND/SHALE
150		180	30 SAND/SHALE
180		190	10 SAND
190		191	1 COAL
191		210	19 SAND/SHALE
210		240	30 SAND/SHALE
240		270	30 SAND/SHALE
270		300	30 SAND/SHALE
300		330	30 SANDY SHALE/SAND
330		350	20 SANDY SHALE
350		352	2 COAL
352		360	8 SAND
360		390	30 SAND
390		400	10 SAND/SANDY SHALE
400		420	20 SAND/SHALE
420		421	1 COAL
421		430	9 SAND/SHALE
430		460	30 SAND/SHALE
460		490	30 SAND/SHALE
490		510	20 SAND/SHALE
510		511	1 COAL
511		520	9 SAND/SHALE
520		550	30 SAND/SHALE
550		575	25 SAND/SHALE
575		576	1 COAL
576		580	4 SAND/SHALE
580		610	30 SAND/SHALE
610		640	30 SAND/SHALE
640		670	30 SAND/SHALE
670		700	30 SAND/SHALE
700		701	1 COAL
701		730	29 SHALE/SAND
730		750	20 SAND/SHALE

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750	751	1 COAL
751	760	9 SHALE
760	775	15 SHALE
775	776	1 COAL
776	790	14 SHALE/SAND
790	820	30 SAND/SHALE
820	850	30 SAND/SHALE
850	880	30 SAND/SHALE
880	910	30 SAND/SHALE
910	920	10 SHALE
920	921	1 COAL
921	940	19 SHALE/SAND/SHALE
940	970	30 SHALE/SAND
970	1000	30 SAND/SHALE
1000	1030	30 SAND/SHALE
1030	1060	30 SAND/SHALE
1060	1090	30 SAND/SHALE
1090	1105	15 SAND/SHALE
1105	1106	1 COAL
1106	1120	14 SHALE/SAND
1120	1140	20 SAND/SHALE
1140	1141	1 COAL
1141	1150	9 SHALE
1150	1160	10 SHALE
1160	1161	1 COAL
1161	1180	19 SHALE/SAND/SHALE
1180	1210	30 SHALE
1210	1218	8 SHALE
1218	1219	1 COAL
1219	1240	21 SHALE/SAND
1240	1255	15 SAND/SHALE
1255	1256	1 COAL
1256	1270	14 SHALE/SAND
1270	1300	30 SAND/SHALE
1300	1315	15 SAND/SHALE
1315	1316	1 COAL (POCA-3)
1316	1330	14 SHALE/SAND
1330	1360	30 SAND/SHALE
1360	1390	30 SAND/SHALE
1390	1391	1 CAOL
1391	1420	29 SHALE/SAND
1420	1450	30 SAND/SHALE
1450	1480	30 SAND/SHALE
1480	1510	30 SAND/SHALE
1510	1520	10 SHALE
1520	1521	1 COAL
1521	1540	19 SHALE/SAND
1540	1570	30 SAND/SHALE
1570	1600	30 SAND/SHALE
1600	1630	30 SAND/SHALE
1630	1660	30 SAND/SHALE
1660	1690	30 SAND/SHALE

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1690	1720	30 SAND/SHALE
1720	1735	15 SAND/SHALE
1735	1750	15 RED SHALE

1750' TOTAL DEPTH  
36' OF 13 3/8" CASING  
381.95' OF 7" CASING  
1560' OF 4 1/2" CASING

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