

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 #: 47-4702816

Farm name: Berwind Land Company Operator Well No.: CBM-MC130

LOCATION: Elevation: 2,098.15' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 11.700 Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude 4.695 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: CNX 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"	24'	24'	n/a
Agent: John H. Johnston	7"	381.48'	381.48'	100 sks
Inspector: Gary L. Kennedy	4 1/2"	1,607.87'	1,607.87'	120 sks
Date Permit Issued: 7/05/2011				
Date Well Work Commenced: 12/05/2011				
Date Well Work Completed: 12/09/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 1,785 DTD				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): n/a				
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

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

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.

Burford Myers
Signature
Date 5/1/12
Burford Myers, Vice Pres-VA GasOps.

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Y Electrical, Y Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Formations Encountered:

Top Depth

/

Bottom Depth

Surface:

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Well Number MC-130
 Completion Date 12/21/2011
 Total Depth 1756.69
 Permit Number 47-4702816

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Coals	SJ2, COAL	P5, P3	P5R, P6L	COALS	P9L, P9, LH, "C" , MH
MC-130	MC-130	MC-130	MC-130	MC-130	MC-130
Nitrogen (MSCF)	0.333	0.299	0.261	0.266	0.203
Water (BBLs)	180	165	151	202	189
Sand (SXS 20/40)	150	150	150	300	250
Sand (SXS 12/20)	53	57	53	50	56
Top Perf	1427	1231	1164.5	883	542
Bottom Perf.	1550.5	1348	1186.5	1140	851.5
# Perfs	12	12	12	28	24
Perf Size	0.45	0.45	0.45	0.45	0.45
Break. Press.	3511	3784	3418	2280	1373
Avg. Rate	11	11	11	12	12
ISIP	1685	1797	1504	947	483
Min	5	5	5	5	5
Min Press.					
Avg. Press.	3480	3285	2765	1965	1635
Stimulated	Y	Y	Y	Y	Y
Stim. Date	12/21/2011	12/21/2011	12/21/2011	12/21/2011	12/21/2011

Permittee CNX GAS LLC

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
 MORGANTOWN, WV

Exhibit A

Well Name: 11 CBM MC130
 SURFACE ELEV: 2099.42 EASTING: 1061767.31 NORTHING:
 353235.76

SEAM REMARKS	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)
COAL	139.20	139.90	1960.22	0.70
	139.90	175.70	1959.52	35.80
COAL	175.70	176.10	1923.72	0.40
	176.10	210.30	1923.32	34.20
US3	210.30	211.00	1889.12	0.70
	211.00	299.70	1888.42	88.70
GC	299.70	300.90	1799.72	1.20
	300.90	365.00	1798.52	64.10
SE	365.00	366.90	1734.42	1.90
	366.90	377.60	1732.52	10.70
SE1	377.60	378.20	1721.82	0.60
	378.20	405.30	1721.22	27.10
LS	405.30	405.90	1694.12	0.60
	405.90	445.10	1693.52	39.20
BY	445.10	447.00	1654.32	1.90
	447.00	457.10	1652.42	10.10
UH3	457.10	459.30	1642.32	2.20
	459.30	460.20	1640.12	0.90
UH2	460.20	460.80	1639.22	0.60
	460.80	485.30	1638.62	24.50
UH	485.30	486.90	1614.12	1.60
	486.90	542.20	1612.52	55.30
*MH	542.20	544.00	1557.22	1.80
	544.00	620.10	1555.42	76.10
*C	620.10	620.90	1479.32	0.80
	620.90	797.00	1478.52	176.10
*LH	797.00	798.20	1302.42	1.20
	798.20	813.90	1301.22	15.70
*P9A	813.90	814.20	1285.52	0.30
	814.20	819.90	1285.22	5.70
*P92	819.90	820.10	1279.52	0.20
	820.10	835.40	1279.32	15.30
*P9	835.40	836.90	1264.02	1.50
	836.90	850.90	1262.52	14.00
*P9L	850.90	851.50	1248.52	0.60
	851.50	883.00	1247.92	31.50
*COAL	883.00	884.00	1216.42	1.00
	884.00	885.80	1215.42	1.80
*COAL	885.80	886.00	1213.62	0.20

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

	886.00	907.00	1213.42	21.00
*COAL	907.00	907.20	1192.42	0.20
	907.20	927.10	1192.22	19.90
*COAL	927.10	927.80	1172.32	0.70
	927.80	955.90	1171.62	28.10
*COAL	955.90	956.90	1143.52	1.00
	956.90	994.10	1142.52	37.20
*COAL	994.10	994.80	1105.32	0.70
	994.80	1011.20	1104.62	16.40
*COAL	1011.20	1011.80	1088.22	0.60
	1011.80	1100.30	1087.62	88.50
*COAL	1100.30	1100.80	999.12	0.50
	1100.80	1137.70	998.62	36.90
*P6	1137.70	1140.00	961.72	2.30
	1140.00	1164.90	959.42	24.90
*P6L	1164.90	1166.20	934.52	1.30
	1166.20	1185.00	933.22	18.80
*P5R	1185.00	1186.50	914.42	1.50
	1186.50	1231.40	912.92	44.90
*P5	1231.40	1231.90	868.02	0.50
	1231.90	1345.40	867.52	113.50
*P3	1345.40	1347.60	754.02	2.20
	1347.60	1427.30	751.82	79.70
*COAL	1427.30	1427.90	672.12	0.60
	1427.90	1429.70	671.52	1.80
*COAL	1429.70	1429.90	669.72	0.20
	1429.90	1478.50	669.52	48.60
*P01	1478.50	1478.90	620.92	0.40
	1478.90	1548.90	620.52	70.00
*SJ2	1548.90	1550.50	550.52	1.60
	1550.50	1552.80	548.92	2.30
*COAL	1552.80	1552.90	546.62	0.10
	1552.90	1553.90	546.52	1.00
*COAL	1553.90	1554.10	545.52	0.20
	1554.10	1785.00	545.32	230.90

GAMMA-CALIPER LOG FROM 0 TO 389.00

GAMMA-DENSITY LOG FROM 389.00 TO TD.

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION

FILE: C:\COMPLETE\MC130.CMP

DATE: 12/16/11

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

COMPANY: CNX GAS CO LLC
 HOLE: MC-130
 RIG: 244
 LOCATION:

DATE STARTED: 12/5/2011
 DATE COMPLETED: 12/9/2011

ELECTRIC LOGGED: YES
 GROUTED: YES

DEPTH FROM	THICKNESS TO FT	STRATA DESCRIPTION, VOIDS ETC
0	24	24 OVERBURDEN
24	30	6 SAND
30	60	30 SAND/SHALE
60	90	30 SAND/SHALE/COAL (COAL @75-76)
90	120	30 SAND/SHALE
120	150	30 SAND/SHALE
150	180	30 SAND/SHALE
180	210	30 SAND/SHALE/COAL (COAL @201-202)
210	240	30 SAND/SHALE/COAL (COAL @215-216 & 218-219)
240	270	30 SAND/SHALE/COAL (COAL @268-269)
270	300	30 SAND/SHALE
300	330	30 SAND/SHALE/COAL (COAL @320-321)
330	360	30 SAND/SHALE
360	390	30 SAND/SHALE
390	401	11 SAND/SHALE
401	427	26 SAND/SHALE/COAL (COAL @409-110)
427	457	30 SAND/SHALE/COAL (COAL @435-436 & 436-437 & 447-448 & 449-450)
457	487	30 SAND/SHALE/COAL (COAL @478-479 & 480-481)
487	517	30 SAND/SHALE
517	547	30 SAND/SHALE/COAL (COAL @534-536)
547	577	30 SAND/SHALE
577	607	30 SAND/SHALE
607	637	30 SAND/SHALE/COAL (COAL @615-616 & 621-622)
637	667	30 SAND/SHALE
667	697	30 SAND/SHALE
697	727	30 SAND/SHALE
727	757	30 SAND/SHALE
757	787	30 SAND/SHALE/COAL (COAL @772-773 & 778-779)
787	817	30 SAND/SHALE/COAL (COAL @806-807 & 810-812 & 813-814)
817	847	30 SAND/SHALE
847	885	38 SAND/SHALE/COAL (COAL @851-852)
885	915	30 SAND/SHALE/COAL (COAL @886-887)
915	945	30 SAND/SHALE/COAL (COAL @933-934)
945	975	30 SAND/SHALE/COAL (COAL @967-968)
975	1005	30 SAND/SHALE
1005	1035	30 SAND/SHALE
1035	1065	30 SAND/SHALE
1065	1095	30 SAND/SHALE
1095	1125	30 SAND/SHALE/COAL (COAL @1101-1102)
1125	1155	30 SAND/SHALE/COAL (COAL @1144-1145)
1155	1185	30 SAND/SHALE/COAL (COAL @1163-1164)

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
 MORCANTOWN, WV

1185	1215	30 SAND/SHALE/COAL (COAL @1191-1192)
1215	1245	30 SAND/SHALE
1245	1275	30 SAND/SHALE
1275	1305	30 SAND/SHALE
1305	1335	30 SAND/SHALE/COAL (COAL @1333-1335)
1335	1365	30 SAND/SHALE
1365	1395	30 SAND/SHALE/COAL (COAL @1375-1376)
1395	1425	30 SAND/SHALE/COAL (COAL @1405-1406 & 1420-1421)
1425	1455	30 SAND/SHALE
1455	1485	30 SAND/SHALE
1485	1515	30 SAND/SHALE
1515	1545	30 SAND/SHALE/COAL (COAL @1520-1521)
1545	1575	30 SAND/SHALE/COAL (COAL @1555-1556 & 1559-1560)
1575	1605	30 SAND/SHALE
1605	1635	30 SAND/SHALE
1635	1665	30 SAND/SHALE
1665	1695	30 SAND/SHALE
1695	1725	30 SAND/SHALE
1725	1755	30 SAND/SHALE
1755	1785	30 SAND/SHALE/RED SHALE @1775

1785

1785 FT TOTAL DEPTH
 24 FT OF 13 3/8 CASING
 381.48 FT OF 7 CASING
 1607.87 FT OF 4 1/2 CASING

RECEIVED

MAY 2 2012

WV GEOLOGICAL SURVEY
 MORGANTOWN, WV