Commonwealth of Virginia
Department of Mines, Minerals, and Energy
Division of Gas and Oil
P.O. Box 1416; Abingdon, VA 24212
Telephone: (276) 676-5423

Tracking Number:	1034
Company:	CNX Gas Company LLC
File Number:	TA-0441
Operations Name:	CBM AZ140 W/PL
Operation Type:	Coalbed/Pipeline
Drilling Report Type:	Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 12/3/2007
Drilling Contractor: Noah Horn
Date drilling completed: 12/8/2007
Rig Type: ☑ Rotary ☐ Cable Tool
Driller's Total Depth (feet): 2,530
Log Total Depth (feet): 2,546
Coal Seam At Total Depth: Pocahontas

2. Final Location Plat (as required by 4 VAC25-150-360.C.)

Permitted State Plane X: 1,032,406
Final Plat State Plane X: 1,032,403
Permitted State Plane Y: 298,696
Final Plat State Plane Y: 298,694
☐ Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	AZ140 Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure

Salt Water At:

Depth (in feet)	Rate	Unit of Measure

Coal Seams

List of Attached Items:

Description	FileName
Exhibit A	AZ140 Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	AZ140 Gas Show.xls

4. Electric Logs *(As required by 4VAC25-150-280.A.)*

List all logs run: Caliper Gamma Density Temp Deviation

Did logs disclose vertical locations of a coal seam? ☑ Yes ☐ No

5. Survey Results *(As required by 4VAC25-150-280.B.2)*

List of Attached Items:

Description	FileName
Deviation	AZ140 Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	AZ140 Casing.xls

7. Remarks

Use this space to note any conditions or occurrences, such as lost circulation, fishing jobs, junk left in hole, sidetracks, squeeze jobs, etc., not shown above. Include data and depth of condition/occurence.

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	AZ140 Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC Date: 1/12/2008 *(Company)*

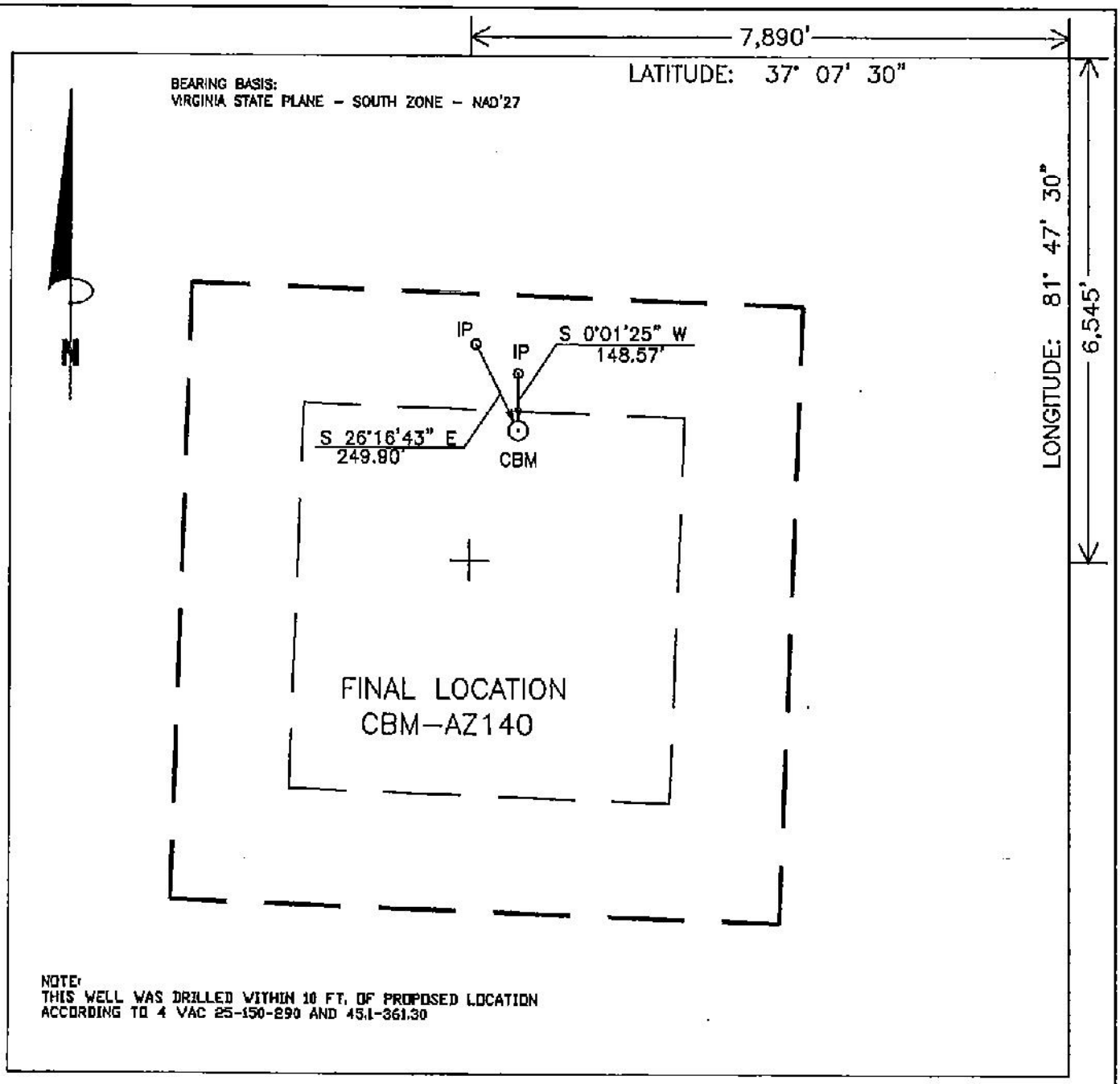
Signed By: Les Arrington Title: Manager *(Signature)*

INTERNAL USE ONLY

Submit Date: 1/12/2008

Status: Inspr Approved Date: 1/15/2008

Final PDF Date: 1/22/2008



WELL LOCATION PLAT

AZ140FNL
RDASHCNX-9/97-604/12

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM–AZ140

TRACT NUMBER SRIR ET AL QUADRANGLE RICHLANDS

DISTRICT: MAIDEN SPRINGS

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 298,693.52 E 1,032,402.82

ELEVATION: 2553.03' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY TAZEWELL Scale: 1" = 400' Date 12-08-07

THIS PLAT IS A NEW PLAT _____; AN UPDATED PLAT _____; OR A FINAL LOCATION PLAT X

+ Denotes the location of a well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown (optional).

Danny R. Price

Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

COMMONWEALTH OF VIRGINIA
DANNY R. PRICE
Lic. No. 008540
12/8/07
PROFESSIONAL ENGINEER

Form DGO-GO-7
Rev. 10/96

AZ140.CMP
Exhibit A

Well Name: 07 CBM AZ140
SURFACE ELEV: 2553.03 EASTING: 1032402.82 NORTHING: 298693.52

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
RA1	174.20	175.60	2376.80	1.40	
	175.60	198.80	2375.40	23.20	
RA2	198.80	202.10	2352.20	3.30	
	202.10	360.70	2348.90	158.60	
JB1	360.70	362.90	2190.30	2.20	
	362.90	427.80	2188.10	64.90	
JB3	427.80	431.80	2123.20	4.00	
	431.80	471.90	2119.20	40.10	
T2	471.90	473.00	2079.10	1.10	
	473.00	473.30	2078.00	0.30	
T2	473.30	474.80	2077.70	1.50	
	474.80	669.80	2076.20	195.00	
US1	669.80	670.90	1881.20	1.10	
	670.90	891.50	1880.10	220.60	
GC1	891.50	892.70	1659.50	1.20	
	892.70	893.10	1658.30	0.40	
GC1	893.10	894.00	1657.90	0.90	
	894.00	945.10	1657.00	51.10	
*GC2	945.10	947.10	1605.90	2.00	
	947.10	1011.10	1603.90	64.00	
*SE1	1011.10	1011.70	1539.90	0.60	
	1011.70	1037.10	1539.30	25.40	
*SE2	1037.10	1039.90	1513.90	2.80	
	1039.90	1099.10	1511.10	59.20	
*LS1	1099.10	1100.00	1451.90	0.90	
*LS2	1100.00	1101.60	1451.00	1.60	
	1101.60	1127.00	1449.40	25.40	
*LS3	1127.00	1127.10	1424.00	0.10	
	1127.10	1127.80	1423.90	0.70	
*COAL	1127.80	1127.90	1423.20	0.10	
	1127.90	1129.50	1423.10	1.60	
*COAL	1129.50	1129.70	1421.50	0.20	
	1129.70	1179.60	1421.30	49.90	
*UH1	1179.60	1180.80	1371.40	1.20	
	1180.80	1181.10	1370.20	0.30	
*COAL	1181.10	1181.20	1369.90	0.10	
	1181.20	1226.30	1369.80	45.10	
*UH2	1226.30	1227.90	1324.70	1.60	
	1227.90	1233.00	1323.10	5.10	
*UH3	1233.00	1233.30	1318.00	0.30	
	1233.30	1267.60	1317.70	34.30	
*MH1	1267.60	1269.00	1283.40	1.40	
	1269.00	1345.10	1282.00	76.10	
*MH2	1345.10	1346.90	1205.90	1.80	
	1346.90	1392.10	1204.10	45.20	
*P11	1392.10	1395.10	1158.90	3.00	
	1395.10	1417.60	1155.90	22.50	
*P10	1417.60	1418.40	1133.40	0.80	
	1418.40	1448.90	1132.60	30.50	
*LH1	1448.90	1450.10	1102.10	1.20	
	1450.10	1507.70	1100.90	57.60	
*LH3	1507.70	1507.90	1043.30	0.20	
	1507.90	1573.10	1043.10	65.20	

*P81	1573.10	1573.90	977.90	0.80
	1573.90	1574.00	977.10	0.10
*P81	1574.00	1574.50	977.00	0.50
	1574.50	1574.70	976.50	0.20
*COAL	1574.70	1574.90	976.30	0.20
	1574.90	1603.70	976.10	28.80
*P71	1603.70	1605.10	947.30	1.40
	1605.10	1678.80	945.90	73.70
*COAL	1678.80	1679.20	872.20	0.40
	1679.20	1694.10	871.80	14.90
*P72	1694.10	1695.20	856.90	1.10
	1695.20	1745.60	855.80	50.40
*COAL	1745.60	1746.30	805.40	0.70
	1746.30	1751.90	804.70	5.60
*COAL	1751.90	1752.10	799.10	0.20
	1752.10	1762.50	798.90	10.40
*COAL	1762.50	1762.60	788.50	0.10
	1762.60	1778.10	788.40	15.50
*COAL	1778.10	1778.50	772.90	0.40
	1778.50	1880.90	772.50	102.40
*P61	1880.90	1881.40	670.10	0.50
	1881.40	1911.90	669.60	30.50
*P51	1911.90	1912.70	639.10	0.80
	1912.70	1938.00	638.30	25.30
*P52	1938.00	1939.00	613.00	1.00
	1939.00	2036.80	612.00	97.80
*P41	2036.80	2040.00	514.20	3.20
	2040.00	2134.10	511.00	94.10
*P31	2134.10	2135.10	416.90	1.00
*P32	2135.10	2137.10	415.90	2.00
*P33	2137.10	2138.20	413.90	1.10
	2138.20	2166.50	412.80	28.30
*P35	2166.50	2167.20	384.50	0.70
	2167.20	2300.30	383.80	133.10
*P1L	2300.30	2300.60	250.70	0.30
	2300.60	2355.90	250.40	55.30
*COAL	2355.90	2356.10	195.10	0.20
	2356.10	2357.40	194.90	1.30
*SJ3	2357.40	2357.60	193.60	0.20
	2357.60	2369.00	193.40	11.40
*SJ2	2369.00	2369.70	182.00	0.70
	2369.70	2370.10	181.30	0.40
*SJ2	2370.10	2372.10	180.90	2.00
	2372.10	2381.60	178.90	9.50
*SJ1	2381.60	2381.90	169.40	0.30
	2381.90	2546.17	169.10	164.27

* Coal seam subject to coalbed methane stimulation.
Estimated cutoff elevation: 1630 ft above sea level.
All seams with a single asterisk (*) below this elevation to the top of the red and green shales (RG) are subject to stimulation. Certain seams are omitted from this predict because they are not believed to exist at this location.
If any of these unexpected coal seams are found to be present after the drilling of this well, those which lie below the first single asterisk are also subject to coalbed methane production.
COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS WELL'S PROXIMITY TO BROWN HOLLOW AND WATER WELL AZ140-1.
GAMMA-CALIPER LOG FROM 0 TO 453.00
GAMMA-DENSITY LOG FROM 453.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: H:\JIMHAZ~1\PROJECTS\GAS\AZ140.CMP

Well: AZ140

Oil & Gas Show

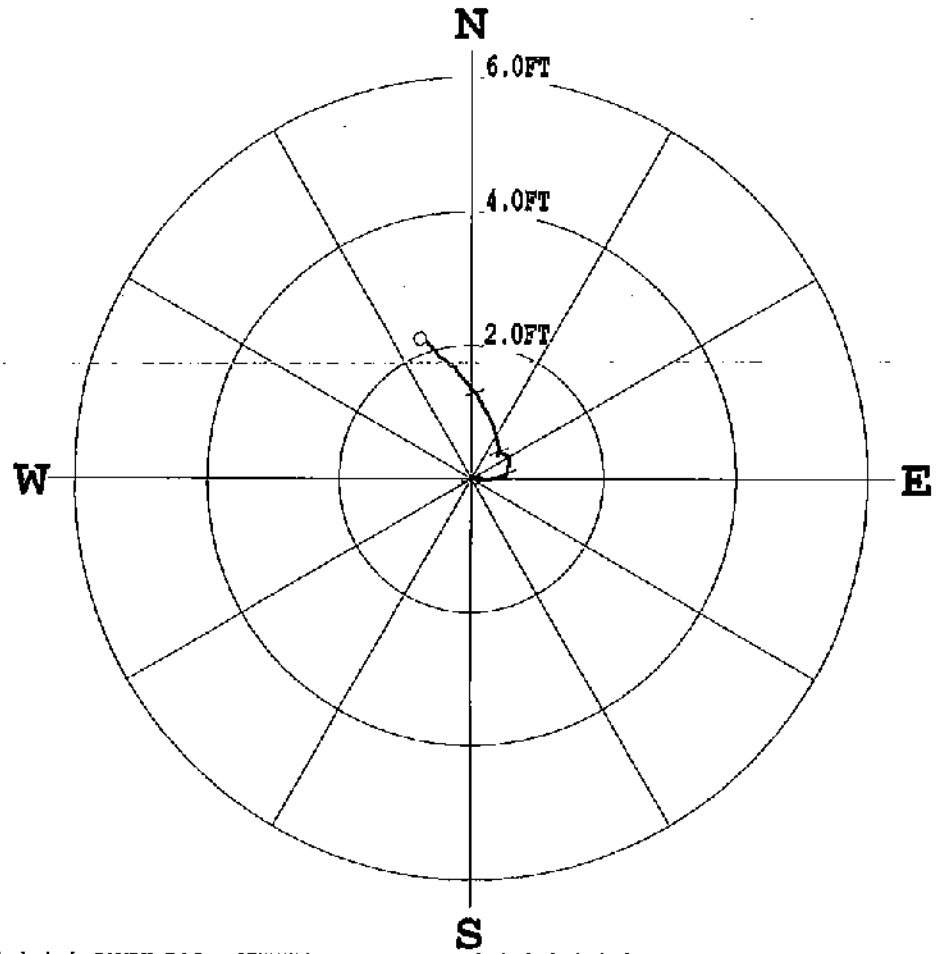
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	945	1450	505			
Pocahontas	1604	2138	534			
Total IPF				Not Taken		

PLAN VIEW
COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
LOCATION:
HOLE ID: 07-CNX-AZ-140
DATE OF LOG: 12/06/07
PROBE: 9136CH 1279

MAG DECL: -7.1

SCALE: 2 FT/IN
TRUE DEPTH: 452.88 F
AZIMUTH: 339.8
DISTANCE: 2.2 FT
+ = 100 FT INCR
○ = BOTTOM OF HOLE



* * * * * * * COMPU-LOG - VERTICAL DEVIATION * * * * * * *

CLIENT	: CONSOL ENERGY	HOLE ID.	: 07-CNX-AZ-140
FIELD OFFICE	: O'DRISCOLL	DATE OF LOG	: 12/06/07
DATA FROM	:	PROBE	: 9136CH , 1279
MAG. DECL.	: -7.100	DEPTH UNITS	: FEET

LOG: 07-CNX-AZ-140_12-06-07_23-44_9136CH_.10_0.00_2546.10_DEVI.log

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
0.50	0.50	0.00	0.00	0.0	0.0	0.0	0.0
10.00	10.00	-0.00	-0.00	0.0	180.5	0.2	343.0
20.00	20.00	0.02	0.00	0.0	6.1	0.1	334.4
30.00	30.00	0.04	0.01	0.0	15.0	0.2	50.9
40.00	40.00	0.03	0.04	0.1	50.8	0.2	126.1
50.00	50.00	0.02	0.07	0.1	72.8	0.2	134.6
60.00	60.00	-0.01	0.09	0.1	94.1	0.2	110.8
70.00	70.00	0.01	0.11	0.1	86.9	0.2	45.7
80.00	80.00	-0.00	0.15	0.1	90.5	0.2	128.2
90.00	90.00	-0.01	0.18	0.2	94.4	0.2	100.4
100.00	100.00	-0.02	0.21	0.2	94.9	0.2	96.4
110.00	110.00	-0.02	0.24	0.2	94.3	0.2	94.6
120.00	120.00	-0.01	0.27	0.3	92.9	0.2	86.9
130.00	130.00	-0.00	0.31	0.3	90.0	0.2	72.8
140.00	140.00	0.01	0.34	0.3	87.9	0.2	54.3

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40.00	40.00	0.03	0.04	0.1	50.8	0.2	50.9
50.00	50.00	0.02	0.07	0.1	72.8	0.2	126.1
60.00	60.00	-0.01	0.09	0.1	94.1	0.2	134.6
70.00	70.00	0.01	0.11	0.1	86.9	0.2	110.8
80.00	80.00	-0.00	0.15	0.1	90.5	0.2	45.7
90.00	90.00	-0.01	0.19	0.2	94.4	0.2	128.2
100.00	100.00	-0.02	0.21	0.2	94.9	0.2	100.4
110.00	110.00	-0.02	0.24	0.2	94.3	0.2	96.4
120.00	120.00	-0.01	0.27	0.3	92.9	0.2	86.9
130.00	130.00	-0.00	0.31	0.3	90.0	0.2	72.8
140.00	140.00	0.01	0.34	0.3	87.9	0.2	54.3
150.00	150.00	0.02	0.37	0.4	87.6	0.2	110.4
160.00	160.00	0.01	0.41	0.4	88.8	0.2	68.0
170.00	170.00	0.01	0.45	0.4	88.5	0.1	66.0
180.00	180.00	0.02	0.48	0.5	87.5	0.3	96.3
190.00	190.00	0.04	0.51	0.5	85.2	0.3	49.2
200.00	200.00	0.08	0.54	0.5	81.2	0.3	20.9
210.00	210.00	0.14	0.54	0.6	76.0	0.3	15.1
220.00	220.00	0.18	0.54	0.6	71.8	0.2	50.7
230.00	230.00	0.20	0.57	0.6	70.7	0.2	35.5
240.00	240.00	0.25	0.58	0.6	66.5	0.4	345.0
250.00	250.00	0.33	0.55	0.6	59.6	0.5	349.7
260.00	260.00	0.36	0.48	0.6	53.0	0.5	286.3
270.00	270.00	0.36	0.41	0.5	49.2	0.2	195.0
280.00	280.00	0.35	0.40	0.5	49.5	0.0	87.5
290.00	290.00	0.36	0.40	0.5	48.0	0.4	3.3
300.00	300.00	0.40	0.42	0.6	46.1	0.6	326.9
310.00	310.00	0.45	0.41	0.6	42.9	0.2	7.6
320.00	320.00	0.49	0.40	0.6	39.4	0.4	330.8
330.00	330.00	0.54	0.39	0.7	35.9	0.4	329.4
340.00	340.00	0.60	0.38	0.7	32.2	0.4	3.2
350.00	350.00	0.68	0.36	0.8	27.8	0.5	335.7
360.00	360.00	0.77	0.33	0.9	23.9	0.5	336.6
370.00	369.99	0.88	0.29	0.9	18.2	0.8	328.1
380.00	379.99	1.01	0.22	1.0	12.0	0.9	331.8
390.00	389.99	1.15	0.15	1.2	7.2	1.0	327.4
400.00	399.99	1.29	0.06	1.3	2.6	1.1	306.2
410.00	409.99	1.43	-0.06	1.4	357.6	1.0	317.3
420.00	419.99	1.59	-0.20	1.6	352.8	1.3	317.7
430.00	429.98	1.72	-0.35	1.8	348.5	1.2	324.5
440.00	439.98	1.87	-0.52	1.9	344.6	1.5	329.3
450.00	449.98	2.06	-0.70	2.2	341.3	1.9	300.4
460.00	459.98	2.19	-0.84	2.3	339.0	1.2	312.4
470.00	469.97	2.30	-0.98	2.5	336.9	0.7	266.2
480.00	479.97	2.39	-1.12	2.6	334.9	1.0	311.1
490.00	489.97	2.51	-1.27	2.8	333.2	1.3	309.1
500.00	499.97	2.62	-1.44	3.0	331.2	1.2	296.0
510.00	509.97	2.75	-1.61	3.2	329.6	1.3	310.0
520.00	519.96	2.86	-1.81	3.4	327.6	1.3	287.5
530.00	529.96	3.01	-1.97	3.6	326.8	1.4	335.5
540.00	539.96	3.03	-2.18	3.7	324.3	1.3	310.1
550.00	549.95	3.16	-2.38	4.0	323.0	1.4	295.5
560.00	559.95	3.29	-2.59	4.2	321.6	1.5	267.9
570.00	569.95	3.27	-2.81	4.3	319.4	1.8	297.3
580.00	579.94	3.39	-3.03	4.5	318.2	1.6	285.8
590.00	589.94	3.47	-3.25	4.8	316.9	1.4	278.3
600.00	599.94	3.56	-3.48	5.0	315.7	1.6	289.4
610.00	609.93	3.66	-3.73	5.2	314.5	1.6	282.2
620.00	619.93	3.71	-3.98	5.4	313.0	1.6	327.1
630.00	629.92	3.76	-4.25	5.7	311.5	1.6	285.7
640.00	639.92	3.92	-4.48	6.0	311.2	1.6	339.0
650.00	649.91	4.02	-4.76	6.2	310.2	1.9	304.9
660.00	659.91	4.05	-5.07	6.5	308.7	1.9	279.3
670.00	669.90	4.26	-5.32	6.8	308.7	2.1	327.2
680.00	679.90	4.40	-5.61	7.1	308.1	2.1	305.7
690.00	689.89	4.64	-5.89	7.5	308.2	2.1	288.5
700.00	699.88	4.82	-6.19	7.8	307.9	2.0	283.8
710.00	709.88	5.00	-6.51	8.2	307.5	2.2	299.9
720.00	719.87	5.16	-6.85	8.6	307.0	2.2	314.9
730.00	729.86	5.36	-7.16	8.9	306.6	2.0	298.6
740.00	739.86	5.56	-7.45	9.3	306.8	2.1	307.8
750.00	749.85	5.72	-7.76	9.6	306.4	1.9	295.2
760.00	759.84	5.91	-8.05	10.0	306.3	2.1	299.4
770.00	769.84	6.07	-8.36	10.3	306.0	2.0	300.3
780.00	779.83	6.24	-8.66	10.7	305.8	1.9	302.5
790.00	789.83	6.42	-8.94	11.0	305.7	2.0	308.4
800.00	799.82	6.59	-9.25	11.4	305.5	1.8	317.1
810.00	809.81	6.76	-9.54	11.7	305.3	1.8	302.9
820.00	819.81	6.96	-9.83	12.0	305.3	2.2	315.1
830.00	829.80	7.20	-10.12	12.4	305.4	2.1	313.5
840.00	839.79	7.41	-10.42	12.8	305.4	2.1	307.2
850.00	849.79	7.63	-10.72	13.2	305.4	2.2	301.1
860.00	859.78	7.89	-11.00	13.5	305.6	2.2	322.7
870.00	869.77	8.17	-11.28	13.9	305.9	2.3	331.1
880.00	879.76	8.43	-11.57	14.3	306.1	2.2	312.9
890.00	889.76	8.68	-11.83	14.7	306.3	2.1	313.9
900.00	899.75	8.94	-12.09	15.0	306.5	2.1	321.6
910.00	909.74	9.22	-12.33	15.4	306.8	2.1	301.9
920.00	919.74	9.45	-12.60	15.7	306.9	2.1	284.0
930.00	929.73	9.74	-12.79	16.1	307.3	2.5	306.1
940.00	939.72	9.95	-13.11	16.5	307.2	2.1	314.9
950.00	949.71	10.23	-13.35	16.8	307.5	2.1	305.1
960.00	959.71	10.46	-13.61	17.2	307.5	1.9	317.8
970.00	969.70	10.69	-13.85	17.5	307.6	1.8	300.7
980.00	979.70	10.92	-14.08	17.8	307.8	1.8	311.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

870.00	869.77	8.17	-11.28	13.9	306.9	2.3	331.1
880.00	879.76	8.43	-11.57	14.3	306.1	2.2	312.9
890.00	889.76	8.68	-11.83	14.7	306.3	2.1	313.9
900.00	899.75	8.94	-12.09	15.0	306.5	2.1	321.8
910.00	909.74	9.22	-12.33	15.4	306.8	2.1	301.9
920.00	919.74	9.45	-12.60	15.7	306.9	2.1	284.0
930.00	929.73	9.74	-12.79	16.1	307.3	2.5	306.1
940.00	939.72	9.95	-13.11	16.5	307.2	2.1	314.9
950.00	949.71	10.23	-13.35	16.8	307.5	2.1	305.1
960.00	959.71	10.46	-13.61	17.2	307.5	1.9	317.8
970.00	969.70	10.69	-13.85	17.5	307.6	1.8	300.7
980.00	979.70	10.92	-14.08	17.8	307.8	1.8	311.7
990.00	989.69	11.09	-14.35	18.1	307.7	1.8	309.8
1000.00	999.69	11.34	-14.36	18.3	308.3	2.1	343.5
1010.00	1009.68	11.40	-14.66	18.6	307.9	1.7	314.9
1020.00	1019.67	11.66	-14.87	18.9	308.1	2.0	347.6
1030.00	1029.67	11.93	-15.12	19.3	308.3	1.9	302.0
1040.00	1039.66	12.16	-15.36	19.6	308.4	2.0	308.6
1050.00	1049.66	12.41	-15.57	19.9	308.6	1.9	310.6
1060.00	1059.65	12.67	-15.78	20.2	308.8	2.0	323.3
1070.00	1069.64	12.89	-16.02	20.6	308.8	1.8	311.5
1080.00	1079.64	13.06	-16.27	20.9	308.8	1.9	1.0
1090.00	1089.63	13.30	-16.50	21.2	308.9	1.7	298.7
1100.00	1099.63	13.48	-16.69	21.5	308.9	1.6	334.2
1110.00	1109.62	13.63	-16.94	21.7	308.8	1.7	297.5
1120.00	1119.62	13.88	-17.15	22.1	309.0	2.0	321.5
1130.00	1129.61	14.08	-17.41	22.4	309.0	1.8	311.9
1140.00	1139.61	14.26	-17.65	22.7	308.9	1.7	289.4
1150.00	1149.60	14.46	-17.86	23.0	309.0	1.7	315.8
1160.00	1159.60	14.64	-18.11	23.3	309.0	1.7	312.7
1170.00	1169.59	14.82	-18.33	23.6	308.9	1.6	303.6
1180.00	1179.59	15.03	-18.51	23.8	309.1	1.8	314.9
1190.00	1189.59	15.15	-18.77	24.1	308.9	1.6	309.5
1200.00	1199.58	15.32	-19.00	24.4	308.9	1.7	313.9
1210.00	1209.58	15.50	-19.23	24.7	308.9	1.7	304.7
1220.00	1219.57	15.62	-19.46	24.9	308.7	1.5	324.7
1230.00	1229.57	15.82	-19.65	25.2	308.8	1.7	305.5
1240.00	1239.57	16.01	-19.82	25.5	308.9	1.6	270.0
1250.00	1249.56	16.06	-20.04	25.7	308.7	1.4	244.0
1260.00	1259.56	16.22	-20.08	25.8	308.9	1.7	302.6
1270.00	1269.56	16.27	-20.29	26.0	308.7	1.2	343.8
1280.00	1279.55	16.37	-20.49	26.2	308.6	1.3	325.0
1290.00	1289.55	16.58	-20.64	26.5	308.8	1.4	304.7
1300.00	1299.55	16.68	-20.84	26.7	308.7	1.3	306.2
1310.00	1309.54	16.85	-20.98	26.9	308.8	1.3	303.4
1320.00	1319.54	16.99	-21.15	27.1	308.8	1.2	318.2
1330.00	1329.54	17.15	-21.25	27.3	308.9	1.1	276.0
1340.00	1339.54	17.16	-21.37	27.4	308.8	0.9	12.9
1350.00	1349.54	17.29	-21.49	27.6	308.8	1.1	300.8
1360.00	1359.53	17.41	-21.62	27.8	308.9	1.0	311.3
1370.00	1369.53	17.50	-21.74	27.9	308.8	0.8	286.4
1380.00	1379.53	17.60	-21.84	28.1	308.9	0.8	314.1
1390.00	1389.53	17.69	-21.96	28.2	308.9	0.9	231.2
1400.00	1399.53	17.68	-22.11	28.3	308.6	1.2	244.9
1410.00	1409.53	17.65	-22.33	28.5	308.3	1.6	300.0
1420.00	1419.52	17.87	-22.41	28.7	308.6	1.5	11.3
1430.00	1429.52	18.13	-22.41	28.8	309.0	1.4	324.9
1440.00	1439.51	18.37	-22.50	29.0	309.2	1.6	359.7
1450.00	1449.51	18.57	-22.63	29.3	309.4	1.4	308.5
1460.00	1459.51	18.81	-22.72	29.5	309.6	1.6	346.9
1470.00	1469.50	19.07	-22.78	29.7	309.9	1.6	344.7
1480.00	1479.50	19.32	-22.85	29.9	310.2	1.4	347.6
1490.00	1489.50	19.56	-22.90	30.1	310.5	1.6	344.7
1500.00	1499.50	19.80	-22.97	30.3	310.6	1.4	345.9
1510.00	1509.49	20.04	-23.04	30.5	311.0	1.5	345.4
1520.00	1519.49	20.28	-23.09	30.7	311.3	1.3	342.3
1530.00	1529.49	20.53	-23.18	31.0	311.5	1.6	322.8
1540.00	1539.48	20.78	-23.20	31.1	311.8	1.4	355.0
1550.00	1549.48	21.04	-23.25	31.4	312.1	1.4	342.4
1560.00	1559.48	21.28	-23.31	31.6	312.4	1.3	349.2
1570.00	1569.47	21.47	-23.41	31.8	312.5	1.1	357.9
1580.00	1579.47	21.65	-23.38	31.9	312.8	1.1	3.2
1590.00	1589.47	21.87	-23.39	32.0	313.1	1.2	355.0
1600.00	1599.47	22.11	-23.42	32.2	313.4	1.3	346.3
1610.00	1609.46	22.36	-23.40	32.4	313.7	1.6	356.1
1620.00	1619.46	22.61	-23.42	32.6	314.0	1.3	10.9
1630.00	1629.46	22.83	-23.39	32.7	314.3	1.4	5.4
1640.00	1639.45	23.06	-23.37	32.8	314.6	1.3	6.9
1650.00	1649.45	23.31	-23.35	33.0	315.0	1.4	2.0
1660.00	1659.45	23.54	-23.31	33.1	315.3	1.5	15.2
1670.00	1669.45	23.78	-23.28	33.3	315.6	1.4	1.3
1680.00	1679.44	24.03	-23.23	33.4	316.0	1.5	15.7
1690.00	1689.44	24.28	-23.17	33.6	316.3	1.6	357.1
1700.00	1699.44	24.38	-23.11	33.6	316.5	0.7	258.5
1710.00	1709.43	24.59	-23.07	33.7	316.8	1.4	7.7
1720.00	1719.43	24.86	-23.00	33.9	317.2	1.4	15.5
1730.00	1729.43	25.07	-22.94	34.0	317.5	1.3	22.2
1740.00	1739.42	25.31	-22.86	34.1	317.9	1.6	8.0
1750.00	1749.42	25.54	-22.79	34.2	318.3	1.4	26.4
1760.00	1759.42	25.80	-22.71	34.4	318.6	1.5	15.7
1770.00	1769.41	26.04	-22.64	34.5	319.0	1.3	19.2
1780.00	1779.41	26.25	-22.60	34.6	319.3	1.3	10.3
1790.00	1789.41	26.47	-22.53	34.8	319.6	1.3	28.3
1800.00	1799.41	26.71	-22.46	34.9	319.9	1.8	12.3
1810.00	1809.40	27.00	-22.39	35.1	320.3	1.7	13.0
1820.00	1819.40	27.30	-22.35	35.3	320.7	1.8	11.7

1740.00	1739.42	25.31	-22.68	34.2	318.5	1.5	0.0
1750.00	1749.42	25.54	-22.79	34.2	318.9	1.4	26.4
1760.00	1759.42	25.80	-22.71	34.4	318.6	1.5	15.7
1770.00	1769.41	26.04	-22.64	34.5	319.0	1.3	19.2
1780.00	1779.41	26.25	-22.60	34.6	319.3	1.3	10.3
1790.00	1789.41	26.47	-22.53	34.8	319.6	1.9	28.8
1800.00	1799.41	26.71	-22.46	34.9	319.9	1.8	12.3
1810.00	1809.40	27.00	-22.39	35.1	320.3	1.7	13.0
1820.00	1819.40	27.30	-22.35	35.3	320.7	1.8	11.7
1830.00	1829.39	27.61	-22.29	35.5	321.1	1.9	10.4
1840.00	1839.39	27.92	-22.25	35.7	321.5	1.8	9.1
1850.00	1849.38	28.25	-22.21	35.9	321.8	1.9	6.1
1860.00	1859.37	28.60	-22.18	36.2	322.2	2.1	2.1
1870.00	1869.37	28.96	-22.17	36.5	322.6	2.3	359.9
1880.00	1879.36	29.38	-22.17	36.8	323.0	2.4	353.7
1890.00	1889.35	29.78	-22.20	37.1	323.3	2.3	359.1
1900.00	1899.34	30.19	-22.24	37.5	323.6	2.4	350.3
1910.00	1909.33	30.60	-22.29	37.9	323.9	2.2	354.4
1920.00	1919.33	31.00	-22.34	38.2	324.2	2.3	350.8
1930.00	1929.32	31.39	-22.40	38.6	324.5	2.1	349.1
1940.00	1939.31	31.75	-22.46	38.9	324.7	2.2	350.7
1950.00	1949.30	32.11	-22.54	39.2	324.9	2.0	341.9
1960.00	1959.30	32.44	-22.61	39.5	325.1	2.0	345.9
1970.00	1969.29	32.74	-22.72	39.9	325.2	1.6	338.9
1980.00	1979.29	33.03	-22.81	40.1	325.4	1.9	339.8
1990.00	1989.28	33.34	-22.92	40.5	325.5	1.8	342.4
2000.00	1999.28	33.63	-23.02	40.8	325.6	1.8	342.2
2010.00	2009.27	33.93	-23.12	41.1	325.7	1.8	336.7
2020.00	2019.27	34.22	-23.22	41.4	325.8	1.8	341.3
2030.00	2029.26	34.52	-23.34	41.7	325.9	1.8	338.1
2040.00	2039.26	34.80	-23.45	42.0	326.0	1.5	344.7
2050.00	2049.26	35.06	-23.54	42.2	326.1	1.6	337.0
2060.00	2059.25	35.33	-23.63	42.5	326.2	1.6	340.9
2070.00	2069.25	35.60	-23.72	42.8	326.3	1.6	339.7
2080.00	2079.24	35.86	-23.80	43.0	326.4	1.6	341.8
2090.00	2089.24	36.11	-23.88	43.3	326.5	1.7	355.6
2100.00	2099.24	36.38	-23.95	43.6	326.6	1.6	351.9
2110.00	2109.23	36.65	-24.02	43.8	326.8	1.6	345.0
2120.00	2119.23	36.93	-24.09	44.1	326.9	1.6	346.4
2130.00	2129.22	37.21	-24.16	44.4	327.0	1.5	320.3
2140.00	2139.22	37.33	-24.15	44.5	327.1	1.0	264.4
2150.00	2149.22	37.57	-24.21	44.7	327.2	1.7	344.9
2160.00	2159.21	37.85	-24.29	45.0	327.3	1.7	339.6
2170.00	2169.21	38.12	-24.38	45.2	327.4	1.8	356.4
2180.00	2179.20	38.42	-24.44	45.5	327.5	1.8	347.6
2190.00	2189.20	38.72	-24.51	45.8	327.7	1.7	346.0
2200.00	2199.19	39.01	-24.58	46.1	327.8	1.8	347.3
2210.00	2209.19	39.32	-24.65	46.4	327.9	1.8	350.5
2220.00	2219.18	39.63	-24.73	46.7	328.0	1.8	333.3
2230.00	2229.18	39.95	-24.80	47.0	328.2	2.0	351.0
2240.00	2239.17	40.27	-24.87	47.3	328.3	1.9	347.8
2250.00	2249.17	40.59	-24.96	47.7	328.4	1.9	346.6
2260.00	2259.16	40.91	-25.03	48.0	328.5	1.9	350.0
2270.00	2269.16	41.23	-25.11	48.3	328.7	1.8	345.0
2280.00	2279.15	41.55	-25.18	48.6	328.8	1.8	348.8
2290.00	2289.15	41.87	-25.26	48.9	328.9	2.0	347.1
2300.00	2299.14	42.23	-25.36	49.3	329.0	2.2	342.9
2310.00	2309.13	42.60	-25.45	49.6	329.1	2.2	350.3
2320.00	2319.12	42.97	-25.55	50.0	329.3	2.1	341.6
2330.00	2329.12	43.31	-25.64	50.3	329.4	2.1	348.4
2340.00	2339.11	43.70	-25.72	50.7	329.5	2.3	347.6
2350.00	2349.10	44.12	-25.82	51.1	329.7	2.5	341.2
2360.00	2359.09	44.51	-25.95	51.5	329.8	2.2	353.5
2370.00	2369.08	44.90	-26.04	51.9	329.9	2.4	343.7
2380.00	2379.08	45.29	-26.13	52.3	330.0	2.3	349.0
2390.00	2389.07	45.70	-26.24	52.7	330.1	2.5	343.9
2400.00	2399.06	46.11	-26.36	53.1	330.2	2.4	350.8
2410.00	2409.05	46.51	-26.49	53.5	330.3	2.4	342.7
2420.00	2419.04	46.89	-26.60	53.9	330.4	2.4	340.9
2430.00	2429.03	47.29	-26.71	54.3	330.5	2.4	342.7
2440.00	2439.02	47.69	-26.83	54.7	330.6	2.4	345.5
2450.00	2449.01	48.09	-26.95	55.1	330.7	2.4	346.2
2460.00	2459.01	48.48	-27.07	55.5	330.8	2.3	341.9
2470.00	2469.00	48.86	-27.19	55.9	330.9	2.4	341.2
2480.00	2478.99	49.26	-27.31	56.3	331.0	2.4	343.4
2490.00	2488.98	49.65	-27.43	56.7	331.1	2.4	346.3
2500.00	2498.97	50.03	-27.55	57.1	331.2	2.2	339.6
2510.00	2508.97	50.40	-27.70	57.5	331.2	2.3	347.5
2520.00	2518.96	50.79	-27.81	57.9	331.3	2.4	352.2
2530.00	2528.95	51.15	-27.92	58.3	331.4	2.4	342.9
2540.00	2538.94	51.51	-27.94	58.6	331.5	2.5	35.0
2546.10	2545.03	51.72	-27.76	58.7	331.8	2.4	46.1

Well: AZ140

Casing & Tubing Program

	Casing	Casing Interval	Hole Size	Cement used in cu/ft	Cemented to Surface Yes	Cemented to Surface No	Date Cemented	Packers or Bridge Plugs
Conductor	13 3/8"	27'	15"			X	13/03/2007	
Surface	9 5/8"	445'	12 3/8"	224.2	X		12/4/2007	bskt @ 88'
Water Protection	4 1/2"	2400'	6 1/2"	439.4	X		12/7/2007	
Coal Protection	4 1/2"	2400'	6 1/2"	439.4	X		12/7/2007	
Other Casing & Tubing								
Other Casing & Tubing								
Liners								

NOAH HORN WELL DRILLING
DRILL DATA

COMPANY: CNX
HOLE: AZ-140
RIG #: 141
LOCATION: WEST FORK, VA

DATE STARTED: 12/3/2007
DATE COMPLETED 12/8/2007

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
0	27	27	OVERBURDEN
27	30	3	SANDY SHALE
30	60	30	SANDY SHALE/COAL/SANDY SHALE
60	90	30	SANDY SHALE
90	120	30	SANDY SHALE/COAL/SANDY SHALE
120	150	30	SANDY SHALE
150	180	30	SANDY SHALE/COAL/SANDY SHALE
180	210	30	SANDY SHALE
210	240	30	SANDY SHALE
240	270	30	SAND
270	300	30	SAND
300	330	30	SAND
330	365	35	SAND/COAL/SAND
365	395	30	SAND/SHALE
395	425	30	SAND/SHALE/COAL
425	455	30	SAND/SHALE/COAL
455	465	10	SAND
465	480	15	SANDY SHALE/COAL/SANDY SHALE
480	510	30	SANDY SHALE
510	540	30	SANDY SHALE
540	570	30	SANDY SHALE/COAL/SANDY SHALE
570	575	5	SAND
575	605	30	SAND/SHALE
605	635	30	SAND/SHALE
635	665	30	SAND/SHALE
665	695	30	SAND/SHALE
695	725	30	SAND/SHALE
725	755	30	SAND
755	785	30	SAND/SHALE
785	815	30	SAND/SHALE
815	845	30	SAND/SHALE/COAL
845	875	30	SAND/SHALE
875	905	30	SAND/SHALE/COAL
905	935	30	SAND/SHALE
935	965	30	SAND/SHALE
965	995	30	SAND/SHALE/COAL

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
995	1025	30	SAND/SHALE
1025	1055	30	SAND/SHALE/COAL
1055	1085	30	SAND/SHALE/COAL
1085	1115	30	SAND/SHALE/COAL
1115	1145	30	SAND/SHALE
1145	1175	30	SAND/SHALE/COAL
1175	1210	35	SAND/SHALE
1210	1240	30	SAND/SHALE/COAL
1240	1270	30	SAND/SHALE/COAL
1270	1300	30	SAND
1300	1330	30	SAND
1330	1360	30	SAND/COAL/SAND
1360	1390	30	SAND/COAL/SAND
1390	1420	30	SAND
1420	1450	30	SAND
1450	1480	30	SAND
1480	1510	30	SAND
1510	1540	30	SAND
1540	1570	30	SAND/COAL/SAND
1570	1600	30	SAND
1600	1630	30	SAND
1630	1660	30	SAND/COAL/SAND
1660	1690	30	SAND/COAL/SAND
1690	1720	30	SAND
1720	1750	30	SAND
1750	1780	30	SAND
1780	1810	30	SAND
1810	1840	30	SAND
1840	1870	30	SAND/COAL/SAND
1870	1900	30	SAND/COAL/SAND
1900	1930	30	SAND
1930	1960	30	SAND
1960	1990	30	SAND
1990	2020	30	SAND
2020	2050	30	SAND/SHALE/COAL
2050	2080	30	SAND/SHALE/COAL
2080	2110	30	SAND/SHALE/SOME COAL
2110	2124	14	SAND/SHALE
2124	2132	8	SAND/SHALE/COAL MAYBE 3 SEAM
2132	2140	8	SAND
2140	2170	30	SAND/SHALE/COAL
2170	2200	30	SAND/SHALE/COAL
2200	2230	30	SAND
2230	2260	30	SAND/SHALE
2260	2290	30	SAND/SHALE
2290	2320	30	SAND
2320	2350	30	SAND
2350	2380	30	SAND/SHALE
2380	2410	30	SAND/SHALE
2410	2440	30	SAND/SHALE

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
2440	2470	30	SAND/SHALE
2470	2500	30	SAND
2500	2530	30	SAND

TOTALS	
2530'	TOTAL DEPTH
27'	13 3/8" CASING
445'	9 5/8" CASING
2400.45'	4 1/2" CASING