



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: 87  
 Company: CNX Gas Company LLC  
 File Number: BU-3113  
 Operations Name: CBM B24A W/PL  
 Operation Type: Coalbed/Pipeline  
 Drilling Report Type: Original

### DRILLING REPORT (DGO-GO-14)

#### 1. Drilling Data

Date drilling commenced: 6/10/2006 Drilling Contractor: NOAH HORN WELL DRILLING  
 Date drilling completed: 6/15/2006 Rig Type:  Rotary  Cable Tool  
 Driller's Total Depth (feet): 2,545  
 Log Total Depth (feet): 2,526 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X 989,563 Final Plat State Plane X: 989,565  
 Permitted State Plane Y: 363,592 Final Plat State Plane Y: 363,591  
 Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
B24A	B24A WELL LOCATION PLAT(FINAL).pdf

#### 3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
120	DAMP	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure

**Coal Seams**

List of Attached Items:

Description	FileName
B24A	B24A COAL SEAMS-EXHIBIT A.pdf

**Gas and Oil Shows**

List of Attached Items:

Description	FileName
B24A	B24A GAS SHOWS (FORMATION LOG).jpg

**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
B24A	B24A PLAN VIEW DEVIATION LOG.pdf

**6. Casing and Tubing Program**

List of Attached Items:

Description	FileName
B24A	B24A CASING AND TUBING.jpg

**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/occurrence.

**8. Drillers Log**

Compiled By: LESLIE ARRINGTON

List of Attached Items:

Description	FileName
B24A	B24A DRILL DATA.pdf

**9. Comments**

**10. Signature**

Permitee: CNX Gas Company LLC Date: 12/13/2006 (Company)

Signed By: LESLIE ARRINGTON Title: MANAGER (Signature)

**INTERNAL USE ONLY**

Submit Date: 12/13/2006

Status: Inspr Approved

Date: 12/15/2006

Final PDF Date: 1/10/2007

4,485' 150-3112 25E

LATITUDE: 37° 17' 30"

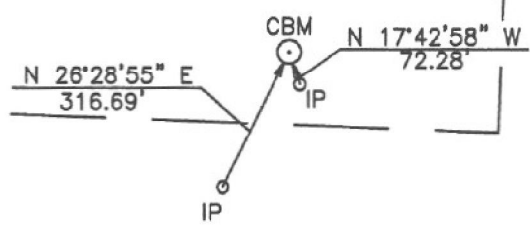
BEARING BASIS:  
VIRGINIA STATE PLANE - SOUTH ZONE - NAD'27



LONGITUDE: 81° 57' 30"  
3,910'

80 ACRE UNIT

FINAL LOCATION  
CBM-B24A



NOTE:  
THIS WELL WAS DRILLED WITHIN 10 FT. OF PROPOSED LOCATION  
ACCORDING TO 4 VAC 25-150-290 AND 45.1-361.30.



DGO  
B24AFNL  
1N12/181-0602/34

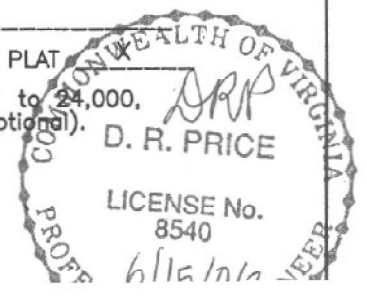
### WELL LOCATION PLAT

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-B24A  
 TRACT NUMBER CONSOLIDATION COAL COMPANY ETAL QUADRANGLE PATTERSON  
 DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 363,591.07 E 989,564.61  
 ELEVATION: 2237.05' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S  
 COUNTY BUCHANAN Scale: 1" = 400' Date 06-15-06

THIS PLAT IS A NEW PLAT \_\_\_\_\_; AN UPDATED PLAT \_\_\_\_\_; OR A FINAL LOCATION PLAT \_\_\_\_\_  
 + 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).

*D.R. Price*  
 \_\_\_\_\_  
 Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)



## Exhibit A

Well Name: 06-CN-X-B-24-A

SURFACE ELEV: 2237.05 EASTING: 989564.61 NORTHING: 363591.07

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
	1.00	179.50	2236.05	178.50	
NR2	179.50	181.80	2057.55	2.30	
	181.80	331.20	2055.25	149.40	
SD2	331.20	331.80	1905.85	0.60	
	331.80	397.80	1905.25	66.00	
UB1	397.80	398.30	1839.25	0.50	
	398.30	470.40	1838.75	72.10	
LB1	470.40	470.90	1766.65	0.50	
	470.90	523.10	1766.15	52.20	
LB2	523.10	524.10	1713.95	1.00	
	524.10	658.50	1712.95	134.40	
KN1	658.50	659.10	1578.55	0.60	
	659.10	677.90	1577.95	18.80	
KN2	677.90	678.80	1559.15	0.90	
	678.80	888.20	1558.25	209.40	
RA2	888.20	889.40	1348.85	1.20	
	889.40	1019.90	1347.65	130.50	
JB1	1019.90	1020.30	1217.15	0.40	
	1020.30	1057.00	1216.75	36.70	
JB3	1057.00	1059.10	1180.05	2.10	
	1059.10	1077.10	1177.95	18.00	
T2	1077.10	1078.40	1159.95	1.30	
	1078.40	1090.60	1158.65	12.20	
T1	1090.60	1091.40	1146.45	0.80	
	1091.40	1101.60	1145.65	10.20	
TI	1101.60	1102.10	1135.45	0.50	
	1102.10	1370.40	1134.95	268.30	
*GC2	1370.40	1371.40	866.65	1.00	
	1371.40	1453.80	865.65	82.40	
*SE2	1453.80	1454.90	783.25	1.10	
	1454.90	1489.80	782.15	34.90	
*LS1	1489.80	1490.90	747.25	1.10	
	1490.90	1567.00	746.15	76.10	
*UH1	1567.00	1568.90	670.05	1.90	
	1568.90	1600.80	668.15	31.90	
*UH2	1600.80	1601.80	636.25	1.00	
	1601.80	1642.40	635.25	40.60	
*MH1	1642.40	1643.90	594.65	1.50	
	1643.90	1743.20	593.15	99.30	
*P11	1743.20	1744.00	493.85	0.80	
	1744.00	1746.00	493.05	2.00	
*COAL	1746.00	1746.30	491.05	0.30	
	1746.30	1754.70	490.75	8.40	
*COAL	1754.70	1755.00	482.35	0.30	
	1755.00	1756.80	482.05	1.80	
*P10	1756.80	1757.00	480.25	0.20	
	1757.00	1866.60	480.05	109.60	
*P92	1866.60	1868.50	370.45	1.90	
	1868.50	1920.30	368.55	51.80	
*P81	1920.30	1921.50	316.75	1.20	
	1921.50	2114.90	315.55	193.40	
*P51	2114.90	2116.00	122.15	1.10	
	2116.00	2129.80	121.05	13.80	
*P52	2129.80	2130.00	107.25	0.20	

	2130.00	2170.00	107.05	40.00
*P41	2170.00	2170.70	67.05	0.70
	2170.70	2195.10	66.35	24.40
*COAL	2195.10	2195.40	41.95	0.30
	2195.40	2243.00	41.65	47.60
*P3	2243.00	2246.50	-5.95	3.50
	2246.50	2526.13	-9.45	279.63

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION  
COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS  
WELL'S PROXIMITY TO LEFT FORK.  
GAMMA-CALIPER LOG FROM 0 TO 310.00  
GAMMA-DENSITY LOG FROM 310.00 TO TD.

FILE: C:\VP\APPS\B24A.CMP

DATE: 06/21/06

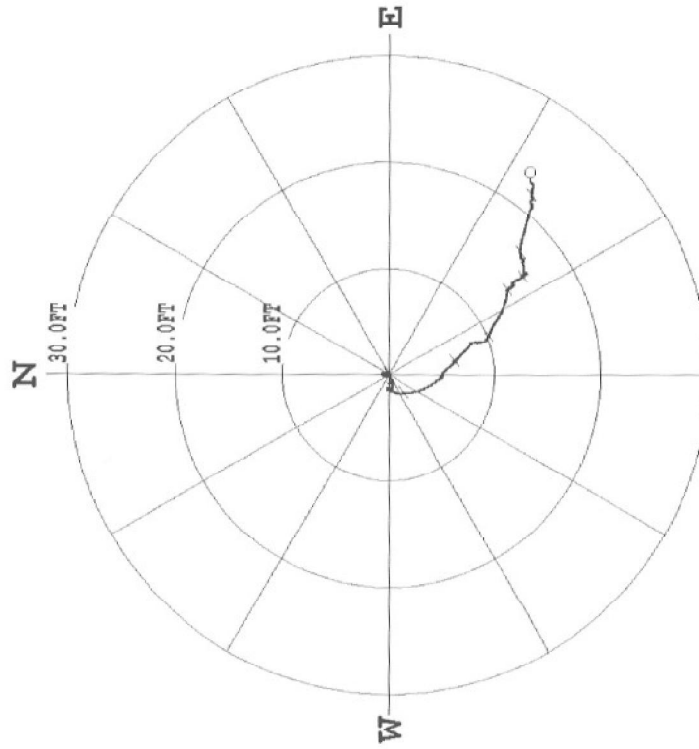
FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Lee/Norton	1370	1921	551	No Show		
Pocahontas	2115	2246	131	No Show		

# PLAN VIEW COMPU-LOG DEVIATION

CLIENT: Consol Energy  
 LOCATION:  
 HOLE ID: 06-CNX-B-24-A  
 DATE OF LOG: 06/15/06  
 PROBE: 9136CA 955

SCALE: 10 FT/IN  
 TRUE DEPTH: 2514.29 FT  
 AZIMUTH: 124.8  
 DISTANCE: 23.2 FT  
 + = 300 FT INCR  
 O = BOTTOM OF HOLE

MAG DECL: -6.9



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

CLIENT	: Consol Energy	HOLE ID.	: 06-CNX-B-24-A
FIELD OFFICE	: Vansant, Va	DATE OF LOG	: 06/15/06
DATA FROM	:	PROBE	: 9136CA , 955
MAG. DECL.	: -6.900	DEPTH UNITS	: FEET
LOG:	06-CNX-B-24-A_06-15-06_05-35_9136CA_02_-0.02_2514.78_DEVI.log		



CASING AND TUBING PROGRAM

	Casing	Casing Interval	Hole Size	Cement Used In Cu/Ft	Cemented To Surface		Date Cemented	Packers Or Bridge Plugs Kind/Size/Set
					Yes	No		
Conductor	13 3/8"	13.5'	15"		<input type="checkbox"/>	X	6-10-06	
Surface	7"	311.15'	8 7/8"	88.5 Cu/ft	X	<input type="checkbox"/>	6-12-06	Basket@88'
Water Protection	4 1/2"	2307.88'	6 1/2"	366 Cu/ft	X	<input type="checkbox"/>	6-15-06	
Coal Protection	4 1/2"	2307.88'	6 1/2"	366 Cu/ft	X	<input type="checkbox"/>	6-15-06	
Other Casing And Tubing Left In Well					<input type="checkbox"/>	<input type="checkbox"/>		
Liners					<input type="checkbox"/>	<input type="checkbox"/>		

**DRILL DATA HOLE-NOAH HORN WELL DRILLING, INC**

**COMPANY:** CNX

**HOLE #:** B-24A

**LOCATION:**

**DRILL RIG #:** 17

**DATE STARTED:** 06-10-06

**DATED COMPLETED:** 06-15-06

**ELECTRIC LOGGED:** YES

**GROUTED:** YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT	DESCRIPTION, VOIDS ETC	
0	13.50	13.50	OVERBURDEN	
13.50	30	16.50	SAND/SANDY SHALE	
30	60	30	SANDY SHALE/SAND/SANDY SHALE	
60	90	30	SANDY SHALE	
90	120	30	SAND/SANDY SHALE	
120	150	30	SANDY SHALE/COAL/SAND	
150	180	30	SAND/COAL/SANDY SHALE	
180	210	30	SAND/SANDY SHALE/SAND	
210	240	30	SAND/SANDY SHALE	
240	270	30	SANDY SHALE/SAND/SANDY SHALE	
270	300	30	SANDY SHALE/COAL/SAND	
300	330	30	SAND/COAL/SANDY SHALE	
330	355	25	SANDY SHALE/COAL/SAND	
355	385	30	SAND/SANDY SHALE	
385	415	30	SANDY SHALE/COAL/SAND	
415	445	30	SAND/SANDY SHALE/SAND	
445	475	30	SAND/COAL/SANDY SHALE	
475	505	30	SANDY SHALE/SAND	
505	535	30	SAND/COAL/SAND	
535	565	30	SAND/SANDY SHALE	
565	595	30	SANDY SHALE	
595	625	30	SANDY SHALE/SAND/SANDY SHALE	
625	655	30	SANDY SHALE/SAND	
655	685	30	SAND/COAL/SAND	
685	715	30	SAND	
715	745	30	SAND/SANDY SHALE	
745	775	30	SANDY SHALE	
775	805	30	SANDY SHALE/SAND	
805	835	30	SAND/SANDY SHALE/SAND	
835	865	30	SANDY SHALE/SAND	
865	895	30	SAND/COAL/SANDY SHALE/SAND	
895	925	30	SAND/SANDY SHALE/SAND	
925	955	30	SAND STONE	
955	985	30	SAND/SANDY SHALE	
985	1015	30	SANDY SHALE	
1015	1045	30	SANDY SHALE/SAND	
1045	1075	30	SAND/SANDY SHALE/COAL	
1075	1105	30	SANDY SHALE/SAND	
1105	1135	30	SAND STONE	
1135	1255	120	SAND/SANDY SHALE/SAND	
1255	1285	30	SAND/SANDY SHALE	
1285	1315	30	SANDY SHALE/SAND	

1315	1345	30	SAND/SANDY SHALE
1345	1375	30	SANDY SHALE/SAND/SANDY SHALE
1375	1405	30	SANDY SHALE/COAL/SAND
1405	1435	30	SAND/SANDY SHALE/SAND
1435	1465	30	SAND/COAL/SANDY SHALE
1465	1525	60	SANDY SHALE/SAND/SANDY SHALE
1525	1555	30	SAND/SANDY SHALE
1555	1585	30	SANDY SHALE/COAL/SAND
1585	1615	30	SAND/COAL/SANDY SHALE
1615	1645	30	SANDY SHALE/COAL/SANDY SHALE
1645	1675	30	SANDY SHALE/SAND
1675	1705	30	SAND/SANDY SHALE/SAND
1705	1735	30	SAND
1735	1765	30	SAND/COAL/SANDY SHALE
1765	1795	30	SANDY SHALE/SAND
1795	1825	30	SAND
1825	1855	30	SAND/SANDY SHALE/SAND
1855	1885	30	SAND/COAL/SANDY SHALE
1885	1915	30	SANDY SHALE/COAL
1915	1945	30	SANDY SHALE/SAND
1945	1975	30	SAND/SANDY SHALE
1975	2005	30	SANDY SHALE/SAND/SANDY SHALE
2005	2035	30	SANDY SHALE/SAND
2035	2095	60	SAND STONE
2095	2125	30	SAND/SANDY SHALE/COAL/SAND
2125	2155	30	SANDY SHALE/SAND
2155	2185	30	SAND/SANDY SHALE/COAL/SANDY SHALE
2185	2215	30	SANDY SHALE/COAL/SAND
2215	2235	20	SAND/SANDY SHALE
2235	2238	3	COAL
2238	2245	7	SAND STONE
2245	2275	30	SAND/SANDY SHALE/SAND
2275	2305	30	SANDY SHALE/SAND
2305	2335	30	SAND/COAL/SANDY SHALE
2335	2365	30	SANDY SHALE/SAND
2365	2395	30	SAND/SANDY SHALE
2395	2425	30	SANDY SHALE/SAND
2425	2515	90	SAND
2515	2545	30	SAND/RED/GREEN SHALE

2545.00 FT. TOTAL DEPTH  
13.50 FT. OF 13 3/8" CASING  
311.15 FT. OF 7" CASING  
2307.88 FT. OF 4 1/2" CASING