



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:	<u>1105</u>
Company:	<u>CNX Gas Company LLC</u>
File Number:	<u>BU-3674</u>
Operations Name:	<u>CBM D13 W/PL</u>
Operation Type:	<u>Coalbed/Pipeline</u>
Drilling Report Type:	<u>Original</u>

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced:	<u>12/10/2007</u>	Drilling Contractor:	<u>Noah Horn</u>
Date drilling completed:	<u>12/14/2007</u>	Rig Type:	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable
Driller's Total Depth (feet):	<u>2380.00</u>		
Log Total Depth (feet):	<u>2348.28</u>	Coal Seam at Total Depth:	<u>Pocahontas</u>

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

Permitted State Plane X:	<u>968858.06</u>	Final Plat State Plane X:	<u>968859.03</u>
Permitted State Plane Y:	<u>360607.28</u>	Final Plat State Plane Y:	<u>360602.73</u>

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	D13 Palt.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
514	Damp	GPM

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams:

List of Attached Items:

Description	FileName
Exhibit A	D13 Exhibit A.pdf

Gas and Oil Shows:

List of Attached Items:

Description	FileName
Show Gas	D13 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?

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

List of Attached Items:

Description	FileName
Deviation	D-13LIST.pdf

Deviation	D-13PLAN.pdf
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6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	D13 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/occurrence.

7" Casing cemented on the backside to surface

8. Drillers Log

Compiled By: Noah Horn

List of Attached Items:

Description	FileName
Drill Data	D13 Drill Data.pdf

9. Comments

10. Signature

Permitee: CNX Gas Company LLC

Date: 1/22/2008

Signed By: Leslie K. Arrington

Title: Manager

INTERNAL USE ONLY

Submit Date: 1/22/2008

Status: A

Date: 1/23/2008

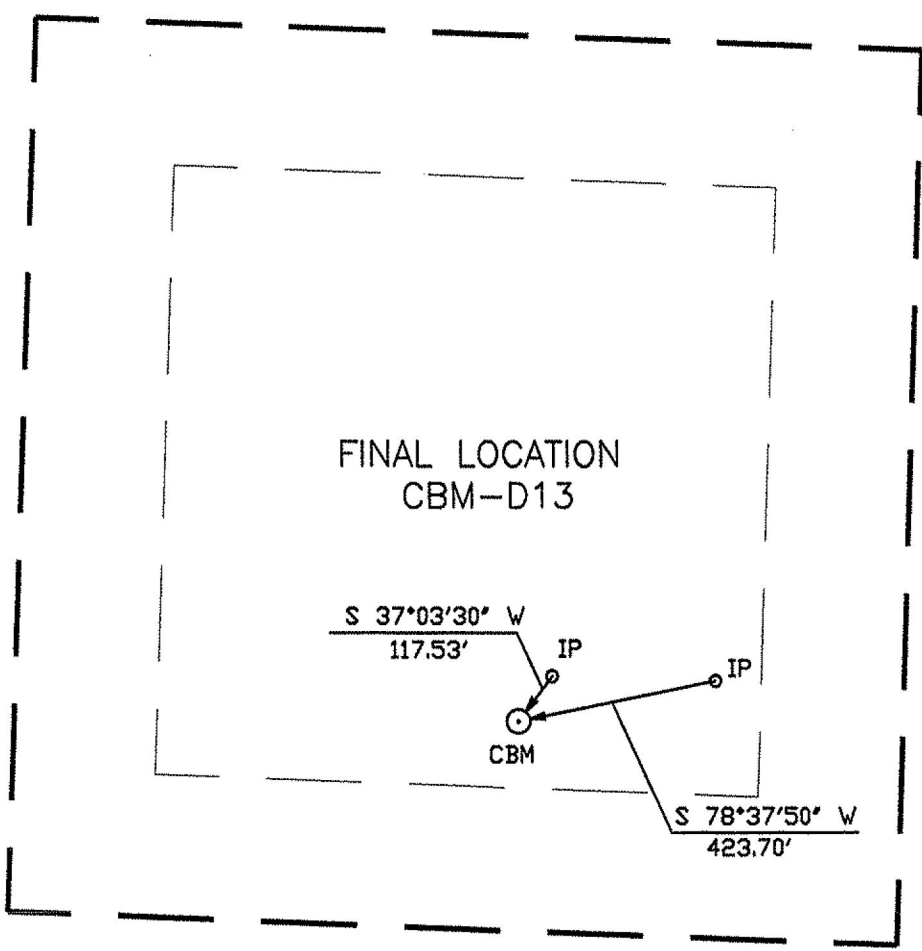
Final PDF Date: 2/28/2008

810'

LATITUDE: 37° 17' 30"

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

LONGITUDE: 82° 02' 30"
7,660'



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

WELL LOCATION PLAT

D13FNL
1N9/79-0401/48

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-D13
TRACT NUMBER ERMA RUNAL ET AL QUADRANGLE GRUNDY
DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 360,602.73 E 968,859.03
ELEVATION: 2286.74' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S
COUNTY BUCHANAN Scale: 1" = 400' Date 12-21-07

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

+ Denotes the location of a well on United States Topographic Maps, scale 1" = 24,000.

Danny R. Price
Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)

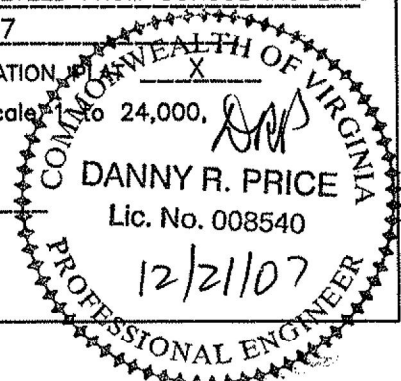


Exhibit A

Well Name: 07 CBM D13

SURFACE ELEV: 2380.00 EASTING: 968858.00 NORTHING: 360607.00

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	146.60	147.50	2233.40	0.90	
	147.50	176.10	2232.50	28.60	
HG1	176.10	176.90	2203.90	0.80	
	176.90	183.80	2203.10	6.90	
COAL	183.80	184.70	2196.20	0.90	
	184.70	276.90	2195.30	92.20	
COAL	276.90	277.80	2103.10	0.90	
	277.80	304.10	2102.20	26.30	
SD1	304.10	305.90	2075.90	1.80	
	305.90	325.00	2074.10	19.10	
SD2	325.00	325.60	2055.00	0.60	
	325.60	325.90	2054.40	0.30	
SD2	325.90	327.90	2054.10	2.00	
	327.90	337.60	2052.10	9.70	
SD3	337.60	338.90	2042.40	1.30	
	338.90	339.80	2041.10	0.90	
COAL	339.80	341.10	2040.20	1.30	
	341.10	452.10	2038.90	111.00	
LB1	452.10	453.40	1927.90	1.30	
	453.40	513.10	1926.60	59.70	
LB2	513.10	514.80	1866.90	1.70	
	514.80	537.90	1865.20	23.10	
COAL	537.90	538.90	1842.10	1.00	
	538.90	649.00	1841.10	110.10	
KN2	649.00	651.90	1731.00	2.90	MINED OUT
	651.90	744.90	1728.10	93.00	
AL1	744.90	745.90	1635.10	1.00	
	745.90	769.40	1634.10	23.50	
AL2	769.40	770.90	1610.60	1.50	
	770.90	839.10	1609.10	68.20	
RA2	839.10	840.90	1540.90	1.80	
	840.90	946.90	1539.10	106.00	
JB1	946.90	947.70	1433.10	0.80	
	947.70	947.90	1432.30	0.20	
JB1	947.90	948.30	1432.10	0.40	
	948.30	974.90	1431.70	26.60	
JB3	974.90	976.20	1405.10	1.30	
	976.20	977.10	1403.80	0.90	
COAL	977.10	977.20	1402.90	0.10	
	977.20	1031.70	1402.80	54.50	
T1	1031.70	1031.90	1348.30	0.20	
	1031.90	1165.10	1348.10	133.20	
*US1	1165.10	1166.10	1214.90	1.00	
	1166.10	1269.10	1213.90	103.00	
*GC2	1269.10	1269.50	1110.90	0.40	
	1269.50	1269.60	1110.50	0.10	
*COAL	1269.60	1269.80	1110.40	0.20	
	1269.80	1339.00	1110.20	69.20	

*SE2	1339.00	1340.00	1041.00	1.00
	1340.00	1368.00	1040.00	28.00
*LS1	1368.00	1369.00	1012.00	1.00
	1369.00	1442.10	1011.00	73.10
*UH1	1442.10	1442.30	937.90	0.20
	1442.30	1502.40	937.70	60.10
*MH1	1502.40	1503.90	877.60	1.50
	1503.90	1603.90	876.10	100.00
*P11	1603.90	1605.80	776.10	1.90
	1605.80	1629.20	774.20	23.40
*P10	1629.20	1630.00	750.80	0.80
	1630.00	1667.40	750.00	37.40
*LH3	1667.40	1669.00	712.60	1.60
	1669.00	1710.70	711.00	41.70
*P91	1710.70	1710.90	669.30	0.20
	1710.90	1743.10	669.10	32.20
*COAL	1743.10	1743.80	636.90	0.70
	1743.80	2074.80	636.20	331.00
*P3	2074.80	2075.80	305.20	1.00
	2075.80	2076.10	304.20	0.30
*P3	2076.10	2078.00	303.90	1.90
	2078.00	2111.30	302.00	33.30
*P21	2111.30	2111.50	268.70	0.20
	2111.50	2115.00	268.50	3.50
*P22	2115.00	2115.30	265.00	0.30
	2115.30	2380.00	264.70	264.70

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO TOPOGRAPHY.
 GAMMA-CALIPER LOG FROM 0 TO 763.00
 GAMMA-DENSITY LOG FROM 763.00 TO TD.
 NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 FILE: H:\JIMHAZ~1\PROJECTS\GAS\D13.CMP
 DATE: 01/03/08

Well: D13

Oil & Gas Show

Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1165.1	1669				
Pocahontas	2074.8	2115				
Total IPF				Not Taken		

CLIENT : CONSOL ENERGY HOLE ID. : 07-CNX-D-13
 FIELD OFFICE : O'DRISCOLL DATE OF LOG : 12/13/07
 DATA FROM : PROBE : 9136CH , 1279
 MAG. DECL. : -7.100 DEPTH UNITS : FEET
 LOG: 07-CNX-D-13_12-13-07_17-55_9136CH_10_0.00_2346.30_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	-0.03	-0.01	0.0	196.1	0.5	206.5
20.00	20.00	-0.11	0.01	0.1	174.3	0.6	161.4
30.00	30.00	-0.09	-0.07	0.1	215.9	0.6	295.4
40.00	40.00	-0.05	-0.16	0.2	253.4	0.6	285.5
50.00	50.00	-0.05	-0.26	0.3	259.8	0.6	270.8
60.00	60.00	-0.08	-0.37	0.4	258.0	0.7	239.1
70.00	70.00	-0.13	-0.47	0.5	254.1	0.6	235.3
80.00	80.00	-0.21	-0.56	0.6	249.2	0.7	231.5
90.00	89.99	-0.31	-0.63	0.7	244.2	0.6	210.9
100.00	99.99	-0.43	-0.68	0.8	237.5	0.8	191.1
110.00	109.99	-0.57	-0.68	0.9	230.0	0.8	170.3
120.00	119.99	-0.69	-0.63	0.9	222.3	0.6	144.0
130.00	129.99	-0.79	-0.56	1.0	215.6	0.7	128.3
140.00	139.99	-0.84	-0.47	1.0	209.4	0.5	110.3
150.00	149.99	-0.87	-0.39	1.0	204.1	0.5	89.2
160.00	159.99	-0.87	-0.32	0.9	200.4	0.5	109.6
170.00	169.99	-0.87	-0.29	0.9	198.3	0.3	85.4
180.00	179.99	-0.87	-0.30	0.9	198.8	0.4	314.1
190.00	189.99	-0.91	-0.34	1.0	200.6	0.5	202.6
200.00	199.99	-1.03	-0.39	1.1	200.8	0.9	198.7
210.00	209.99	-1.21	-0.42	1.3	199.2	1.0	184.4
220.00	219.99	-1.40	-0.43	1.5	197.1	1.1	179.8
230.00	229.98	-1.62	-0.41	1.7	194.2	1.2	173.9
240.00	239.98	-1.82	-0.36	1.9	191.3	1.1	158.1
250.00	249.98	-1.99	-0.28	2.0	188.0	1.1	134.1
260.00	259.98	-2.07	-0.20	2.1	185.4	0.4	100.8
270.00	269.98	-2.10	-0.15	2.1	184.1	0.3	113.9
280.00	279.98	-2.12	-0.13	2.1	183.6	0.3	175.5
290.00	289.98	-2.15	-0.15	2.2	184.0	0.4	207.7
300.00	299.98	-2.23	-0.18	2.2	184.5	0.6	189.9
310.00	309.98	-2.36	-0.20	2.4	184.8	0.9	185.4
320.00	319.97	-2.53	-0.20	2.5	184.5	1.0	173.7
330.00	329.97	-2.75	-0.15	2.8	183.2	1.4	166.5
340.00	339.97	-2.95	-0.07	3.0	181.4	1.2	154.0
350.00	349.97	-3.17	0.03	3.2	179.4	1.2	151.3
360.00	359.97	-3.30	0.14	3.3	177.5	1.4	142.1
370.00	369.96	-3.40	0.25	3.4	175.9	0.2	127.2
380.00	379.96	-3.47	0.30	3.5	175.1	0.5	140.7
390.00	389.96	-3.55	0.33	3.6	174.6	0.6	157.0
400.00	399.96	-3.66	0.36	3.7	174.4	0.6	173.5
410.00	409.96	-3.78	0.37	3.8	174.4	0.9	171.4
420.00	419.96	-3.98	0.41	4.0	174.2	1.3	171.1
430.00	429.96	-4.26	0.48	4.3	173.6	1.7	146.7
440.00	439.95	-4.54	0.60	4.6	172.5	1.8	155.8
450.00	449.95	-4.82	0.74	4.9	171.3	1.6	141.1
460.00	459.94	-5.01	0.89	5.1	169.9	1.3	124.7
470.00	469.94	-5.13	1.01	5.2	168.8	0.9	133.2
480.00	479.94	-5.24	1.13	5.4	167.8	0.9	135.6
490.00	489.94	-5.35	1.23	5.5	167.1	0.9	142.6
500.00	499.94	-5.47	1.32	5.6	166.4	0.9	141.0
510.00	509.94	-5.57	1.41	5.7	165.8	0.8	142.7
520.00	519.94	-5.68	1.49	5.9	165.3	0.8	140.9
530.00	529.93	-5.78	1.60	6.0	164.6	0.7	128.8
540.00	539.93	-5.90	1.67	6.1	164.2	0.9	151.9
550.00	549.93	-6.04	1.73	6.3	164.0	1.2	162.8
560.00	559.93	-6.26	1.81	6.5	163.9	1.5	163.1
570.00	569.93	-6.53	1.91	6.8	163.7	1.6	157.5
580.00	579.92	-6.81	2.04	7.1	163.3	1.8	151.3
590.00	589.92	-7.09	2.18	7.4	162.9	1.8	154.3
600.00	599.91	-7.36	2.30	7.7	162.6	1.8	164.6
610.00	609.91	-7.63	2.44	8.0	162.2	1.8	150.9
620.00	619.90	-7.94	2.61	8.4	161.8	2.0	151.0
630.00	629.89	-8.22	2.78	8.7	161.3	1.9	152.2
640.00	639.89	-8.52	2.96	9.0	160.9	1.9	147.0
650.00	649.88	-8.79	3.13	9.3	160.4	1.9	140.0
660.00	659.88	-9.12	3.33	9.7	159.9	2.0	145.2
670.00	669.87	-9.40	3.54	10.0	159.3	1.7	141.6
680.00	679.86	-9.63	3.78	10.3	158.6	1.6	139.5

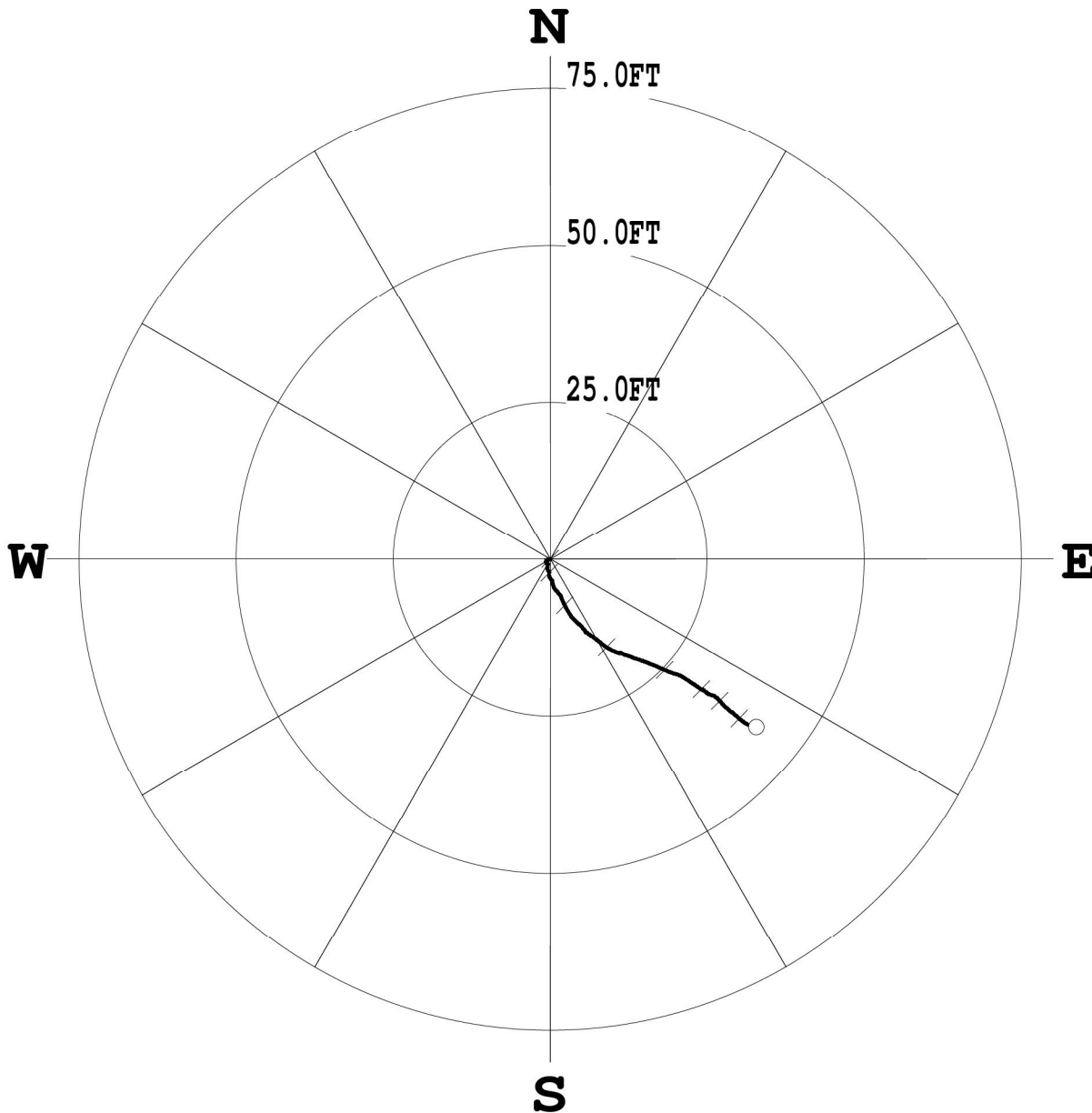
PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
LOCATION:
HOLE ID: 07-CNX-D-13
DATE OF LOG: 12/13/07
PROBE: 9136CH 1279



MAG DECL: -7.1

SCALE: 25 FT/IN
TRUE DEPTH: 2345.66 FT
AZIMUTH: 129.1
DISTANCE: 42.3 FT
+ = 300 FT INCR
○ = BOTTOM OF HOLE



NOAH HORN WELL DRILLING
DRILL DATA

COMPANY: CNX
HOLE: D-13
RIG #: 19
LOCATION: CHILDRESS BRANCH

DATE STARTED: 12/10/2007
DATE COMPLETED: 12/14/2007

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
0	17.55	17.55	OVERBURDEN
17.55	30	12.45	SAND
30	61	31	SAND/SHALE/COAL
61	92	31	SAND/SHALE/COAL
92	123	31	SAND/SHALE
123	154	31	SAND/SHALE
154	184	30	SAND/SHALE/COAL
184	214	30	SAND/SHALE
214	244	30	SAND/SHALE/COAL
244	274	30	SAND/SHALE/COAL
274	304	30	SAND/SHALE
304	334	30	SAND/SHALE/COAL
334	364	30	SAND/SHALE/COAL
364	394	30	SAND/SHALE
394	424	30	SAND/SHALE/COAL
424	454	30	SAND/SHALE/COAL
454	484	30	SAND/SHALE/COAL
484	514	30	SAND/SHALE/COAL
514	544	30	SAND/SHALE
544	574	30	SAND/SHALE
574	604	30	SAND/SHALE
604	634	30	SHALE/SAND
634	650	16	SAND
650	653	3	BROKE UP
653	664	11	SANDY SHALE/SAND
664	694	30	SAND/SANDY SHALE
694	724	30	SAND/SANDY SHALE
724	754	30	SANDY SHALE/COAL/SAND
754	774	20	SAND/COAL/SANDY SHALE
774	786	12	SANDY SHALE/COAL
786	816	30	SAND/SHALE
816	846	30	SHALE/COAL/SAND
846	876	30	SAND/SHALE
876	906	30	SAND/SHALE
906	936	30	SHALE/SAND
936	966	30	SANDY SHALE/COAL/SANDY SHALE
966	996	30	SAND/COAL/SANDY SHALE
996	1026	30	SANDY SHALE/SAND
1026	1056	30	SHALE/COAL/SANDY SHALE

NOAH HORN WELL DRILLING
DRILL DATA

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
1056	1086		30 SAND/SHALE
1086	1116		30 SHALE/SAND
1116	1146		30 SAND/COAL/SANDY SHALE
1146	1176		30 SANDY SHALE/COAL/SANDY SHALE
1176	1206		30 SANDY SHALE/SAND
1206	1236		30 SAND/SHALE/COAL
1236	1266		30 SAND/SHALE
1266	1296		30 SAND/SHALE/COAL
1296	1326		30 SAND/SHALE
1326	1356		30 SAND/SHALE/COAL
1356	1386		30 SAND/SHALE/COAL
1386	1416		30 SAND/SHALE
1416	1446		30 SAND/SHALE/COAL
1446	1476		30 SAND/SHALE
1476	1506		30 SAND/SHALE/COAL
1506	1536		30 SAND/SHALE/COAL
1536	1566		30 SAND/SHALE/COAL
1566	1596		30 SAND/SHALE
1596	1626		30 SAND/SHALE
1626	1656		30 SAND/SHALE/COAL
1656	1686		30 SAND/SHALE/COAL
1686	1716		30 SAND/SHALE/COAL
1716	1746		30 SAND/SHALE/COAL
1746	1776		30 SAND/SHALE
1776	1806		30 SAND/SHALE
1806	1836		30 SAND
1836	1866		30 SAND
1866	1896		30 SAND/SHALE
1896	1926		30 SAND/SHALE
1926	1956		30 SAND/SHALE/COAL
1956	1986		30 SAND/SHALE
1986	2016		30 SAND/SHALE/COAL
2016	2046		30 SAND/SHALE
2046	2076		30 SAND/SHALE/COAL
2076	2102		26 SAND/SHALE
2102	2106		4 P-3 COAL
2106	2136		30 SAND/SHALE
2136	2166		30 SANDY SHALE/SAND
2166	2196		30 SHALE/SAND
2196	2226		30 SAND STONE
2226	2256		30 SAND STONE
2256	2286		30 SAND STONE/SANDY SHALE
2286	2316		30 SHALE/SAND
2316	2346		30 SAND/SHALE
2346	2380		34 SANDY SHALE/RED SHALE

NOAH HORN WELL DRILLING
DRILL DATA

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
<hr/>			
TOTALS			
2380'	TOTAL DEPTH		
17.55'	13 3/8" CASING		
753.95'	7" CASING		
2150.08'	4 1/2" CASING		