



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: 1033
 Company: CNX Gas Company LLC
 File Number: BU-3667
 Operations Name: CBM P48A W/PL
 Operation Type: Coalbed/Pipeline
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 11/16/2007 Drilling Contractor: Noah Horn
 Date drilling completed: 11/30/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 2,800
 Log Total Depth (feet): 2,771 Coal Seam At Total Depth Pocahontas

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

Permitted State Plane X 1,032,710 Final Plat State Plane X: 1,032,710
 Permitted State Plane Y: 335,633 Final Plat State Plane Y: 335,626

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
Plat	P48A 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	P48A Exhibit A.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
Gas Show	P48A Gas Show.xls

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

List all logs run: Caliper Gamma Temp Density 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	P48A Deviation.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
Casing	P48A 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.

Void @ 619' ; 9 5/8" casing cemented on the backside to surface

8. Drillers Log

Compiled By: Naoh Horn

List of Attached Items:

Description	FileName
Drill Data	P48A Drill Data.pdf

9. Comments

10. Signature

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

Signed By: Les Arrington Title: Manager (Signature)

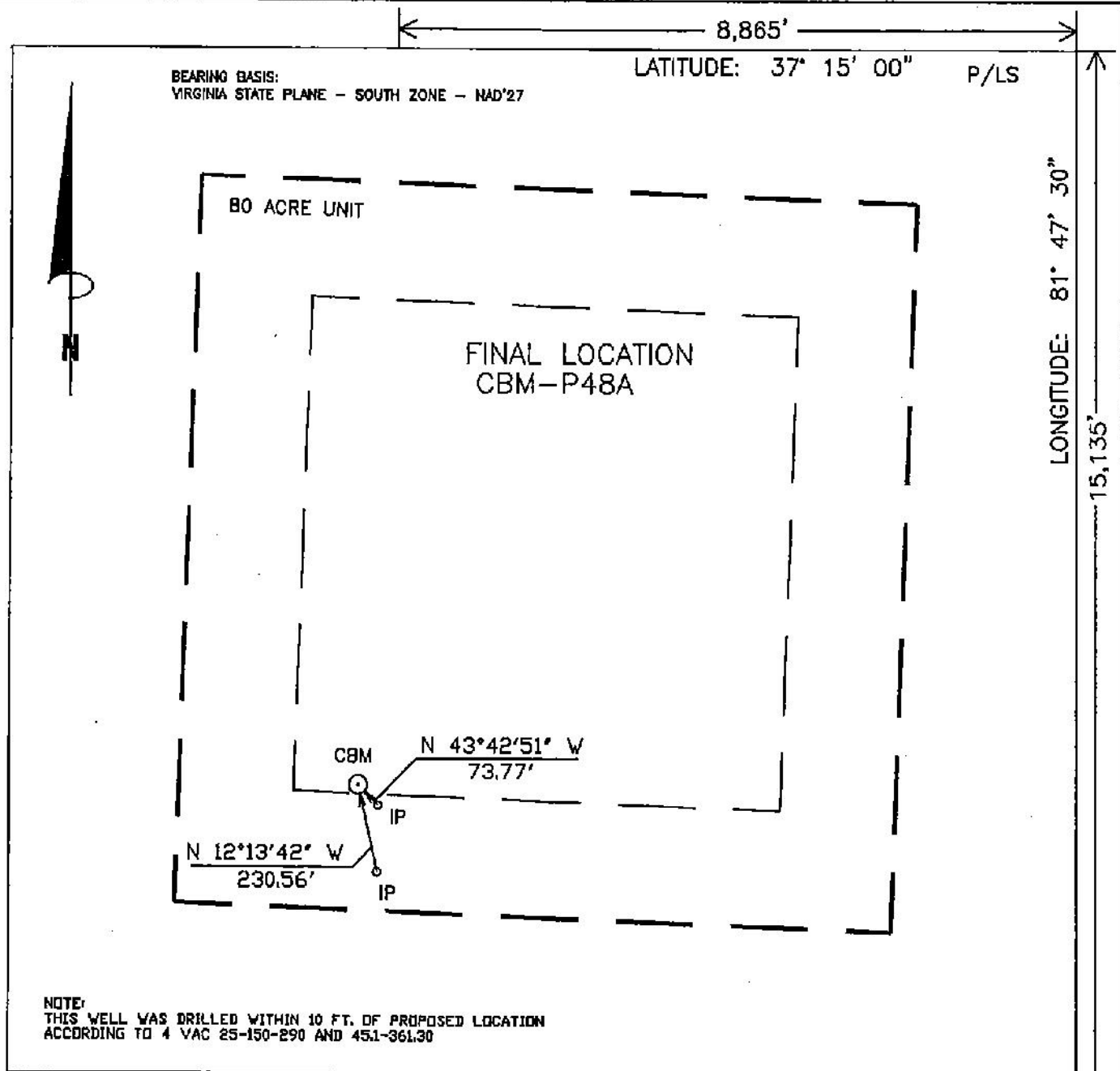
INTERNAL USE ONLY

Submit Date: 1/12/2008

Status: Inspr Approved

Date: 1/15/2008

Final PDF Date: 1/22/2008



WELL LOCATION PLAT

P48AFNL
CON36/88-583/57

COMPANY CNX GAS COMPANY, LLC. WELL NAME OR NUMBER CBM-P48A

TRACT NUMBER JAMES MCGUIRE LAND TRUST QUADRANGLE JEWELL RIDGE

DISTRICT: GARDEN

WELL COORDINATES (VIRGINIA STATE PLANE): STATE PLANE: N 335,625.60 E 1,032,709.95

ELEVATION: 2884.73' METHOD USED TO DETERMINE ELEVATION: BY TRIG. LEVELS FROM CONSOL INC BM'S

COUNTY BUCHANAN Scale: 1" = 400' Date 11-20-07

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

+ Denotes the location of a well on United States Topographic Maps, scale _____ 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)

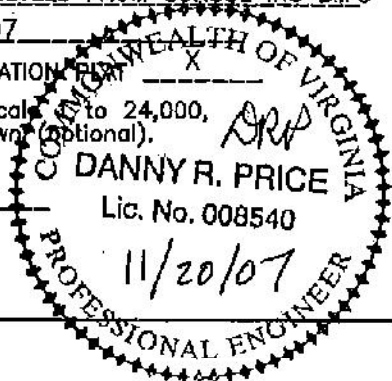


Exhibit A

Well Name: 07 CBM P48A

SURFACE ELEV: 2884.73 EASTING: 1032709.95 NORTHING: 335625.60

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
COAL	66.90	68.10	2817.83	1.20	
	68.10	128.20	2816.63	60.10	
UB2	128.20	130.40	2756.53	2.20	
	130.40	192.90	2754.33	62.50	
LB1	192.90	195.90	2691.83	3.00	
	195.90	269.90	2688.83	74.00	
LB2	269.90	270.20	2614.83	0.30	
	270.20	340.80	2614.53	70.60	
KN1	340.80	341.50	2543.93	0.70	
	341.50	376.00	2543.23	34.50	
KN2	376.00	379.80	2508.73	3.80	
	379.80	388.10	2504.93	8.30	
COAL	388.10	388.90	2496.63	0.80	
	388.90	395.50	2495.83	6.60	
COAL	395.50	396.10	2489.23	0.60	
	396.10	500.90	2488.63	104.80	
AL1	500.90	501.90	2383.83	1.00	
	501.90	539.00	2382.83	37.10	
AL2	539.00	543.30	2345.73	4.30	
	543.30	586.80	2341.43	43.50	
RA1	586.80	588.70	2297.93	1.90	
	588.70	618.00	2296.03	29.30	
RA2	618.00	620.50	2266.73	2.50	
	620.50	757.20	2264.23	136.70	
JB1	757.20	758.90	2127.53	1.70	
	758.90	807.10	2125.83	48.20	
JB3	807.10	809.40	2077.63	2.30	
	809.40	823.30	2075.33	13.90	
T2	823.30	824.00	2061.43	0.70	
	824.00	890.00	2060.73	66.00	
COAL	890.00	891.00	1994.73	1.00	
	891.00	1126.10	1993.73	235.10	
*US2	1126.10	1126.20	1758.63	0.10	
	1126.20	1339.80	1758.53	213.60	
*SE2	1339.80	1340.90	1544.93	1.10	
	1340.90	1387.70	1543.83	46.80	
*LS1	1387.70	1388.60	1497.03	0.90	
	1388.60	1388.90	1496.13	0.30	
*LS1	1388.90	1389.10	1495.83	0.20	
	1389.10	1436.90	1495.63	47.80	
*LS3	1436.90	1437.40	1447.83	0.50	
	1437.40	1459.70	1447.33	22.30	
*COAL	1459.70	1460.10	1425.03	0.40	
	1460.10	1460.30	1424.63	0.20	
*COAL	1460.30	1460.70	1424.43	0.40	
	1460.70	1528.80	1424.03	68.10	
*UH3	1528.80	1530.20	1355.93	1.40	
	1530.20	1586.80	1354.53	56.60	

*MH1	1586.80	1588.00	1297.93	1.20
	1588.00	1657.10	1296.73	69.10
*MH2	1657.10	1658.90	1227.63	1.80
	1658.90	1692.90	1225.83	34.00
*P11	1692.90	1695.80	1191.83	2.90
	1695.80	1716.10	1188.93	20.30
*P10	1716.10	1717.10	1168.63	1.00
	1717.10	1791.10	1167.63	74.00
*LH3	1791.10	1792.50	1093.63	1.40
	1792.50	1793.10	1092.23	0.60
*COAL	1793.10	1793.80	1091.63	0.70
	1793.80	1839.90	1090.93	46.10
*COAL	1839.90	1840.10	1044.83	0.20
	1840.10	1840.40	1044.63	0.30
*P92	1840.40	1840.90	1044.33	0.50
	1840.90	1860.90	1043.83	20.00
*P81	1860.90	1861.20	1023.83	0.30
	1861.20	1861.90	1023.53	0.70
*COAL	1861.90	1862.20	1022.83	0.30
	1862.20	1889.80	1022.53	27.60
*P71	1889.80	1891.10	994.93	1.30
	1891.10	2021.50	993.63	130.40
*COAL	2021.50	2021.80	863.23	0.30
	2021.80	2023.00	862.93	1.20
*COAL	2023.00	2023.30	861.73	0.30
	2023.30	2023.70	861.43	0.40
*COAL	2023.70	2023.90	861.03	0.20
	2023.90	2036.70	860.83	12.80
*COAL	2036.70	2036.90	848.03	0.20
	2036.90	2058.80	847.83	21.90
*COAL	2058.80	2059.10	825.93	0.30
	2059.10	2115.90	825.63	56.80
*P61	2115.90	2116.70	768.83	0.80
	2116.70	2127.70	768.03	11.00
*P62	2127.70	2127.90	757.03	0.20
	2127.90	2155.40	756.83	27.50
*P51	2155.40	2156.90	729.33	1.50
	2156.90	2350.00	727.83	193.10
*P31	2350.00	2351.00	534.73	1.00
	2351.00	2358.20	533.73	7.20
*P32	2358.20	2359.20	526.53	1.00
	2359.20	2359.50	525.53	0.30
*P33	2359.50	2360.00	525.23	0.50
	2360.00	2360.00	524.73	0.00
*345	2360.00	2364.80	524.73	4.80
	2364.80	2510.30	519.93	145.50
*P01	2510.30	2510.80	374.43	0.50
	2510.80	2510.90	373.93	0.10
*COAL	2510.90	2511.10	373.83	0.20
	2511.10	2550.00	373.63	38.90
*COAL	2550.00	2550.20	334.73	0.20
	2550.20	2552.80	334.53	2.60
*SJ3	2552.80	2553.10	331.93	0.30
	2553.10	2553.80	331.63	0.70
*COAL	2553.80	2554.00	330.93	0.20
	2554.00	2800.00	330.73	246.00

COAL SEAMS TO BE STIMULATED WERE ADJUSTED DUE TO THE GAS
WELL'S PROXIMITY TO SPRING BRANCH.
GAMMA-CALIPER LOG FROM 0 TO 900.00
GAMMA-DENSITY LOG FROM 900.00 TO TD.
NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
FILE: H:\JIMHAZ~1\PROJECTS\GAS\P48A.CMP
DATE: 12/06/07

Well: P48A

Oil & Gas Show

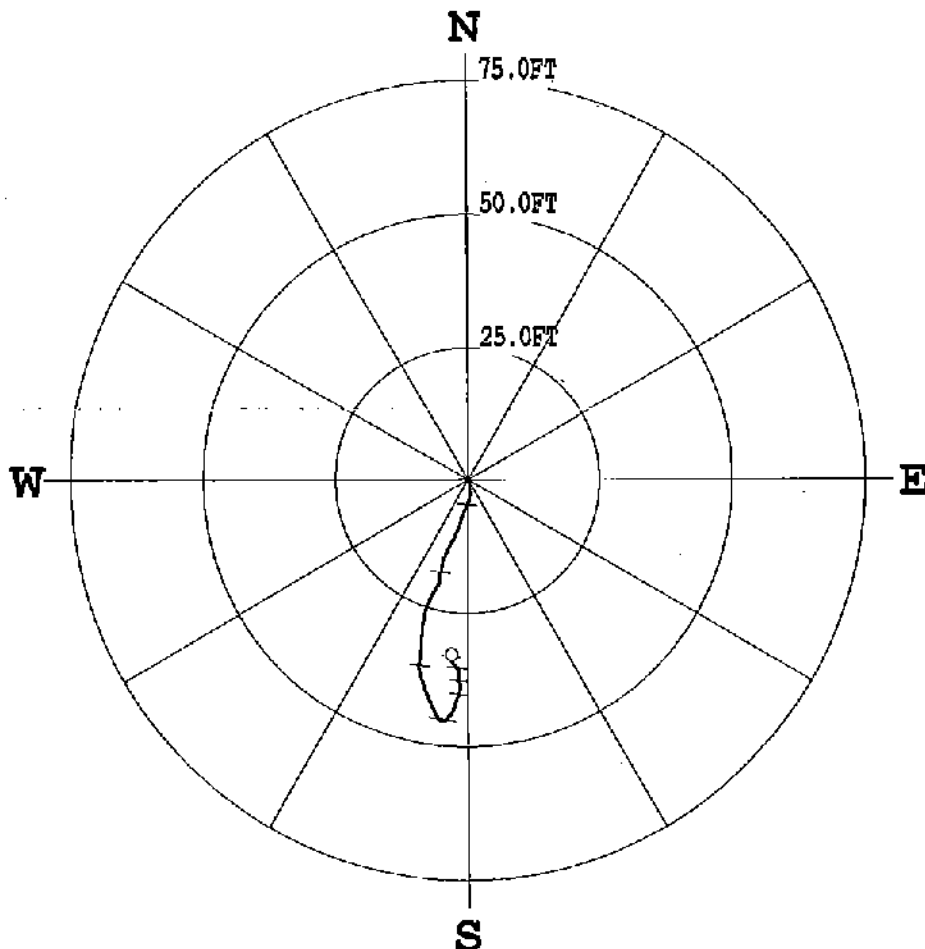
Formation	Top	Bottom	Thickness	IPF (MCFD/BOPD)	Pressure	Hours Tested
Lee/Norton	1340	1793	453			
Pocahontas	1890	2365	475			
Total IPF				Not Taken		

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: CONSOL ENERGY
 LOCATION:
 HOLE ID: 07-CNX-P-48A
 DATE OF LOG: 11/30/07
 PROBE: 9136CH 1279



SCALE: 25 FT/IN
 TRUE DEPTH: 2769.60 F
 AZIMUTH: 185.3
 DISTANCE: 32.7 FT
 + = 300 FT INCR
 O = BOTTOM OF HOLE



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

CLIENT	: CONSOL ENERGY	HOLE ID.	: 07-CNX-P-48A
FIELD OFFICE	: O'DRISCOLL	DATE OF LOG	: 11/30/07
DATA FROM	:	PROBE	: 9136CH , 1279
MAG. DECL.	: -7.100	DEPTH UNITS	: FEET
LOG:	07-CNX-P-48A_11-30-07_19-17_9136CH_10_0.60_2770.90_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	-0.01	-0.01	0.0	207.5	0.3	152.3
20.00	20.00	-0.05	0.01	0.1	173.9	0.3	164.4
30.00	30.00	-0.08	0.05	0.1	149.4	0.3	132.9
40.00	40.00	-0.12	0.09	0.1	142.3	0.3	121.2
50.00	50.00	-0.16	0.13	0.2	142.1	0.3	157.9
60.00	60.00	-0.22	0.15	0.3	147.0	0.4	154.6
70.00	70.00	-0.27	0.17	0.3	147.3	0.2	125.4
80.00	80.00	-0.30	0.20	0.4	146.2	0.5	165.6
90.00	90.00	-0.34	0.23	0.4	145.9	0.3	139.6
100.00	100.00	-0.40	0.26	0.5	147.1	0.3	140.7
110.00	110.00	-0.50	0.27	0.6	151.8	0.9	177.4
120.00	120.00	-0.61	0.28	0.7	155.2	0.5	157.1
130.00	130.00	-0.74	0.31	0.8	157.5	1.2	163.0
140.00	139.99	-0.89	0.31	0.9	160.6	0.9	180.3
150.00	149.99	-1.06	0.32	1.1	163.3	1.1	187.5
160.00	159.99	-1.24	0.33	1.3	165.0	0.9	179.2
170.00	169.99	-1.44	0.36	1.5	166.1	1.0	168.9
180.00	179.99	-1.66	0.38	1.7	167.0	1.4	177.0

50.00	50.00	-0.16	0.13	0.2	142.1	0.3	157.9
60.00	60.00	-0.22	0.15	0.3	147.0	0.4	154.6
70.00	70.00	-0.27	0.17	0.3	147.3	0.2	125.4
80.00	80.00	-0.30	0.20	0.4	146.2	0.5	165.6
90.00	90.00	-0.34	0.23	0.4	145.9	0.3	139.6
100.00	100.00	-0.40	0.26	0.5	147.1	0.3	140.7
110.00	110.00	-0.50	0.27	0.6	151.8	0.9	177.4
120.00	120.00	-0.61	0.28	0.7	155.2	0.5	157.1
130.00	130.00	-0.74	0.31	0.8	157.5	1.2	163.0
140.00	139.99	-0.89	0.31	0.9	160.6	0.9	180.3
150.00	149.99	-1.06	0.32	1.1	163.3	1.1	167.5
160.00	159.99	-1.24	0.33	1.3	165.0	0.9	179.2
170.00	169.99	-1.44	0.36	1.5	166.1	1.0	168.9
180.00	179.99	-1.66	0.38	1.7	167.0	1.4	177.0
190.00	189.99	-1.87	0.40	1.9	167.8	1.2	195.3
200.00	199.98	-2.09	0.38	2.1	169.6	1.0	192.7
210.00	209.98	-2.31	0.36	2.3	171.2	1.3	175.1
220.00	219.98	-2.56	0.37	2.6	171.8	1.3	181.7
230.00	229.97	-2.81	0.35	2.8	172.9	1.3	189.4
240.00	239.97	-3.07	0.31	3.1	174.2	1.5	187.0
250.00	249.97	-3.30	0.27	3.3	175.4	1.5	198.9
260.00	259.96	-3.55	0.21	3.6	176.5	1.5	191.5
270.00	269.96	-3.82	0.16	3.8	177.6	1.4	193.3
280.00	279.96	-4.09	0.09	4.1	178.8	1.7	193.6
290.00	289.95	-4.35	-0.01	4.4	180.1	1.4	196.2
300.00	299.95	-4.65	-0.10	4.6	181.3	1.5	199.5
310.00	309.94	-4.93	-0.22	4.9	182.6	1.8	206.6
320.00	319.94	-5.20	-0.35	5.2	183.9	1.7	208.1
330.00	329.93	-5.49	-0.48	5.5	184.9	1.8	208.5
340.00	339.93	-5.77	-0.62	5.8	186.1	1.8	206.2
350.00	349.92	-6.07	-0.76	6.1	187.2	1.9	209.4
360.00	359.92	-6.37	-0.93	6.4	188.3	2.1	210.8
370.00	369.91	-6.71	-1.08	6.8	189.2	2.3	204.3
380.00	379.90	-7.04	-1.21	7.1	189.7	2.2	189.6
390.00	389.89	-7.43	-1.35	7.6	190.3	2.1	201.5
400.00	399.88	-7.83	-1.45	8.0	190.5	2.4	185.6
410.00	409.88	-8.22	-1.54	8.4	190.6	2.6	207.1
420.00	419.87	-8.60	-1.69	8.8	191.1	2.0	198.2
430.00	429.86	-8.99	-1.85	9.2	191.6	2.2	207.3
440.00	439.85	-9.39	-2.00	9.6	192.0	2.7	196.7
450.00	449.84	-9.82	-2.16	10.1	192.4	2.7	210.7
460.00	459.83	-10.24	-2.37	10.5	193.0	2.4	211.2
470.00	469.82	-10.66	-2.57	11.0	193.6	2.8	208.4
480.00	479.81	-11.08	-2.80	11.4	194.2	2.9	211.1
490.00	489.79	-11.50	-3.05	11.9	194.8	2.9	212.1
500.00	499.78	-11.91	-3.28	12.4	195.4	2.9	209.8
510.00	509.77	-12.34	-3.51	12.8	195.9	2.8	241.7
520.00	519.76	-12.80	-3.75	13.2	196.4	3.0	200.4
530.00	529.74	-13.26	-3.98	13.8	196.7	3.0	203.0
540.00	539.73	-13.73	-4.18	14.4	196.9	2.9	223.0
550.00	549.71	-14.20	-4.43	14.9	197.3	3.1	210.7
560.00	559.70	-14.69	-4.70	15.4	197.7	3.3	191.3
570.00	569.68	-15.25	-4.83	16.0	197.6	3.4	204.9
580.00	579.66	-15.84	-4.93	16.6	197.3	3.4	188.4
590.00	589.65	-16.44	-5.05	17.2	197.1	3.6	191.3
600.00	599.63	-17.07	-5.18	17.8	196.8	3.6	194.5
610.00	609.61	-17.61	-5.40	18.4	197.1	3.6	193.4
620.00	619.59	-18.22	-5.52	19.0	196.8	3.7	164.2
630.00	629.57	-18.88	-5.45	19.7	196.1	3.7	178.1
640.00	639.55	-19.45	-5.66	20.3	196.2	3.7	211.0
650.00	649.53	-19.99	-5.99	20.9	196.7	3.5	211.5
660.00	659.51	-20.54	-6.30	21.5	197.1	3.5	206.4
670.00	669.49	-21.07	-6.61	22.1	197.4	3.6	208.1
680.00	679.47	-21.65	-6.93	22.7	197.8	3.7	214.7
690.00	689.44	-22.22	-7.25	23.4	198.1	3.8	210.0
700.00	699.42	-22.89	-7.53	24.1	198.2	3.7	207.4
710.00	709.39	-23.50	-7.82	24.8	198.4	4.1	199.7
720.00	719.37	-24.17	-8.00	25.5	198.3	3.7	201.2
730.00	729.35	-24.82	-8.16	26.1	198.2	3.9	191.1
740.00	739.33	-25.45	-8.30	26.8	198.1	3.7	188.4
750.00	749.31	-26.07	-8.42	27.4	197.9	3.5	192.9
760.00	759.29	-26.67	-8.52	28.0	197.7	3.5	205.8
770.00	769.27	-27.28	-8.63	28.6	197.6	3.5	182.4
780.00	779.25	-27.89	-8.66	29.2	197.3	3.5	181.9
790.00	789.23	-28.48	-8.69	29.8	197.0	3.4	190.4
800.00	799.21	-29.07	-8.75	30.4	196.8	3.2	216.0
810.00	809.20	-29.65	-8.84	30.9	196.6	3.5	176.8
820.00	819.18	-30.26	-8.82	31.5	196.3	3.4	176.5
830.00	829.16	-30.85	-8.78	32.1	195.9	3.4	188.9
840.00	839.14	-31.41	-8.83	32.6	195.7	3.1	185.0
850.00	849.13	-31.94	-8.91	33.2	195.6	2.9	188.8
860.00	859.11	-32.45	-9.02	33.7	195.5	3.2	177.9
870.00	869.10	-32.96	-9.07	34.2	195.4	2.9	205.5
880.00	879.09	-33.50	-9.13	34.7	195.3	3.1	182.6
890.00	889.07	-33.99	-9.18	35.2	195.1	2.8	198.8
900.00	899.06	-34.46	-9.27	35.7	195.1	3.2	31.9
910.00	909.05	-34.93	-9.37	35.8	195.2	3.2	170.8
920.00	919.03	-35.06	-9.27	36.3	194.8	2.9	161.8
930.00	929.02	-35.58	-9.14	36.7	194.4	3.1	166.8
940.00	939.01	-36.07	-9.01	37.2	194.0	2.9	162.6
950.00	948.99	-36.55	-8.88	37.6	193.7	2.8	164.1
960.00	958.98	-37.01	-8.76	38.0	193.3	2.7	164.3
970.00	968.97	-37.45	-8.63	38.4	193.0	2.5	164.6
980.00	978.96	-37.86	-8.51	38.8	192.7	2.4	162.0
990.00	988.95	-38.25	-8.38	39.2	192.4	2.3	166.2
1000.00	998.95	-38.63	-8.26	39.5	192.1	2.2	159.3

880.00	889.07	-33.99	-9.18	35.2	195.1	2.6	198.8
890.00	899.06	-34.46	-9.27	35.7	195.1	3.2	31.9
900.00	909.05	-34.53	-9.37	35.8	195.2	3.2	170.8
920.00	919.03	-35.06	-9.27	36.3	194.8	2.9	161.8
930.00	929.02	-35.58	-9.14	36.7	194.4	3.1	166.8
940.00	939.01	-36.07	-9.01	37.2	194.0	2.9	162.6
950.00	949.99	-36.55	-8.88	37.6	193.7	2.8	164.1
960.00	959.98	-37.01	-8.76	38.0	193.3	2.7	164.3
970.00	969.97	-37.45	-8.63	38.4	193.0	2.5	164.6
980.00	979.96	-37.88	-8.51	38.8	192.7	2.4	162.0
990.00	989.95	-38.25	-8.38	39.2	192.4	2.3	166.2
1000.00	999.95	-38.63	-8.26	39.5	192.1	2.2	159.3
1010.00	1009.94	-38.98	-8.13	39.8	191.8	2.2	159.5
1020.00	1019.93	-39.33	-7.99	40.1	191.5	2.2	159.7
1030.00	1029.92	-39.70	-7.86	40.5	191.2	2.4	157.8
1040.00	1039.92	-40.06	-7.71	40.8	190.9	2.2	158.2
1050.00	1049.91	-40.41	-7.58	41.1	190.6	2.1	163.3
1060.00	1059.90	-40.76	-7.44	41.4	190.3	2.2	161.6
1070.00	1069.89	-41.09	-7.29	41.7	190.1	2.3	157.1
1080.00	1079.89	-41.45	-7.15	42.1	189.8	2.0	157.8
1090.00	1089.88	-41.78	-7.01	42.4	189.5	2.0	158.2
1100.00	1099.87	-42.10	-6.86	42.7	189.3	2.0	160.2
1110.00	1109.87	-42.44	-6.74	43.0	189.0	1.9	158.9
1120.00	1119.86	-42.75	-6.57	43.3	188.7	2.3	159.1
1130.00	1129.86	-43.07	-6.43	43.5	188.5	1.9	158.6
1140.00	1139.85	-43.35	-6.31	43.8	188.3	1.7	147.6
1150.00	1149.85	-43.61	-6.17	44.0	188.0	1.7	153.9
1160.00	1159.84	-43.86	-6.04	44.3	187.8	1.5	181.2
1170.00	1169.84	-44.07	-5.94	44.5	187.7	1.5	44.2
1180.00	1179.84	-44.22	-5.83	44.6	187.5	1.6	144.7
1190.00	1189.83	-44.36	-5.74	44.7	187.4	1.4	129.8
1200.00	1199.83	-44.48	-5.63	44.8	187.2	1.2	145.7
1210.00	1209.83	-44.64	-5.51	45.0	187.0	1.1	141.0
1220.00	1219.83	-44.77	-5.39	45.1	186.9	1.0	139.0
1230.00	1229.83	-44.87	-5.31	45.2	186.8	0.9	58.1
1240.00	1239.82	-44.85	-5.27	45.2	186.7	0.7	43.1
1250.00	1249.82	-44.91	-5.20	45.2	186.6	0.8	125.5
1260.00	1259.82	-44.99	-5.10	45.3	186.5	0.6	128.8
1270.00	1269.82	-44.98	-5.09	45.3	186.5	0.5	85.0
1280.00	1279.82	-44.96	-5.05	45.2	186.4	0.4	84.1
1290.00	1289.82	-44.97	-4.99	45.2	186.3	0.3	145.0
1300.00	1299.82	-45.02	-4.98	45.3	186.3	0.3	195.8
1310.00	1309.82	-45.03	-5.01	45.3	186.4	0.2	2.4
1320.00	1319.82	-45.02	-5.00	45.3	186.3	0.7	98.3
1330.00	1329.82	-45.00	-4.95	45.3	186.3	0.2	59.7
1340.00	1339.82	-44.98	-4.92	45.2	186.2	0.3	44.7
1350.00	1349.82	-44.97	-4.87	45.2	186.2	0.3	76.7
1360.00	1359.82	-44.95	-4.82	45.2	186.1	0.2	69.9
1370.00	1369.82	-44.95	-4.76	45.2	186.0	0.2	110.0
1380.00	1379.82	-44.95	-4.70	45.2	186.0	0.5	60.3
1390.00	1389.82	-44.94	-4.65	45.2	185.9	0.3	97.5
1400.00	1399.82	-44.94	-4.59	45.2	185.8	0.6	63.3
1410.00	1409.82	-44.94	-4.55	45.2	185.8	0.4	69.2
1420.00	1419.82	-44.94	-4.50	45.2	185.7	0.3	77.3
1430.00	1429.82	-44.94	-4.46	45.2	185.7	0.2	117.8
1440.00	1439.82	-44.94	-4.41	45.2	185.6	0.3	67.0
1450.00	1449.82	-44.92	-4.37	45.1	185.6	0.2	83.4
1460.00	1459.82	-44.91	-4.33	45.1	185.5	0.4	80.6
1470.00	1469.82	-44.89	-4.28	45.1	185.5	0.1	52.3
1480.00	1479.82	-44.85	-4.23	45.1	185.4	0.3	70.9
1490.00	1489.82	-44.88	-4.20	45.1	185.3	0.3	90.2
1500.00	1499.82	-44.83	-4.19	45.0	185.3	0.4	4.9
1510.00	1509.82	-44.76	-4.16	45.0	185.3	0.4	4.8
1520.00	1519.82	-44.68	-4.12	44.9	185.3	0.6	21.9
1530.00	1529.82	-44.66	-4.05	44.8	185.2	0.6	99.7
1540.00	1539.82	-44.61	-3.96	44.8	185.1	0.8	46.3
1550.00	1549.82	-44.52	-3.91	44.7	185.0	0.8	22.9
1560.00	1559.81	-44.43	-3.82	44.6	184.9	0.6	44.9
1570.00	1569.81	-44.32	-3.75	44.5	184.8	1.0	10.7
1580.00	1579.81	-44.18	-3.75	44.3	184.8	0.8	101.5
1590.00	1589.81	-44.17	-3.61	44.3	184.7	1.2	60.8
1600.00	1599.81	-44.06	-3.51	44.2	184.6	0.9	32.0
1610.00	1609.81	-43.93	-3.39	44.1	184.4	1.0	39.3
1620.00	1619.81	-43.81	-3.28	43.9	184.3	0.9	38.9
1630.00	1629.81	-43.69	-3.20	43.8	184.2	0.8	21.1
1640.00	1639.80	-43.55	-3.11	43.7	184.1	1.1	27.6
1650.00	1649.80	-43.39	-3.02	43.5	184.0	1.2	19.7
1660.00	1659.80	-43.20	-2.93	43.3	183.9	1.2	20.0
1670.00	1669.80	-42.99	-2.85	43.1	183.8	1.4	22.3
1680.00	1679.79	-42.75	-2.75	42.8	183.7	1.5	27.9
1690.00	1689.79	-42.51	-2.68	42.6	183.6	1.4	18.6
1700.00	1699.79	-42.28	-2.60	42.4	183.5	1.4	17.6
1710.00	1709.78	-42.03	-2.50	42.1	183.4	1.5	21.7
1720.00	1719.78	-41.78	-2.44	41.8	183.3	1.6	28.8
1730.00	1729.78	-41.52	-2.34	41.6	183.2	1.4	27.1
1740.00	1739.77	-41.29	-2.27	41.4	183.2	1.3	19.6
1750.00	1749.77	-41.05	-2.19	41.1	183.1	1.5	19.1
1760.00	1759.77	-40.83	-2.10	40.9	182.9	1.3	16.2
1770.00	1769.77	-40.61	-2.03	40.7	182.9	1.3	7.0
1780.00	1779.76	-40.39	-1.93	40.4	182.7	1.3	25.7
1790.00	1789.76	-40.16	-1.85	40.2	182.6	1.5	47.8
1800.00	1799.76	-39.93	-1.76	40.0	182.5	1.5	16.5
1810.00	1809.75	-39.72	-1.69	39.8	182.4	1.2	10.2
1820.00	1819.75	-39.51	-1.61	39.5	182.3	1.2	23.5
1830.00	1829.75	-39.32	-1.58	39.4	182.3	1.2	27.7
1840.00	1839.75	-39.16	-1.48	39.2	182.2	0.9	0.2

1768.00	1758.77	-2.10	40.9	182.9	1.3	16.2	
1770.00	1758.77	-40.61	-2.03	40.7	182.9	1.3	7.0
1780.00	1778.76	-40.39	-1.93	40.4	182.7	1.3	25.7
1790.00	1788.76	-40.16	-1.85	40.2	182.6	1.5	47.8
1800.00	1798.76	-39.93	-1.76	40.0	182.5	1.5	16.5
1810.00	1808.75	-39.72	-1.69	39.8	182.4	1.2	10.2
1820.00	1818.75	-39.51	-1.61	39.5	182.3	1.2	23.5
1830.00	1828.75	-39.32	-1.58	39.4	182.3	1.2	27.7
1840.00	1838.75	-39.18	-1.49	39.2	182.2	0.9	0.2
1850.00	1848.75	-39.01	-1.43	39.0	182.1	1.0	25.5
1860.00	1858.74	-38.84	-1.41	38.9	182.1	1.0	30.8
1870.00	1868.74	-38.75	-1.40	38.8	182.2	0.7	53.1
1880.00	1878.74	-38.75	-1.47	38.8	182.2	0.9	250.8
1890.00	1888.74	-38.68	-1.43	38.7	182.1	1.0	309.3
1900.00	1898.74	-38.57	-1.42	38.6	182.1	1.0	316.4
1910.00	1908.74	-38.45	-1.40	38.5	182.1	0.8	17.2
1920.00	1918.74	-38.36	-1.41	38.4	182.1	0.6	58.6
1930.00	1928.74	-38.29	-1.40	38.3	182.1	0.8	356.0
1940.00	1938.74	-38.20	-1.41	38.2	182.1	0.5	336.6
1950.00	1948.74	-38.14	-1.43	38.2	182.2	0.5	325.8
1960.00	1958.74	-38.12	-1.40	38.1	182.2	0.2	236.9
1970.00	1968.74	-38.09	-1.51	38.1	182.3	0.6	26.8
1980.00	1978.74	-38.00	-1.47	38.0	182.2	0.6	17.7
1990.00	1988.74	-37.94	-1.48	38.0	182.2	0.4	259.6
2000.00	1998.74	-37.99	-1.51	38.0	182.3	0.1	290.7
2010.00	2008.74	-37.99	-1.54	38.0	182.3	0.4	256.4
2020.00	2018.74	-38.01	-1.56	38.0	182.4	0.2	205.6
2030.00	2028.74	-38.00	-1.57	38.0	182.4	0.0	79.3
2040.00	2038.74	-37.98	-1.59	38.0	182.4	0.7	315.1
2050.00	2048.73	-37.89	-1.62	37.9	182.5	0.5	343.0
2060.00	2058.73	-37.79	-1.62	37.8	182.5	0.6	356.0
2070.00	2068.73	-37.68	-1.63	37.7	182.5	0.7	0.9
2080.00	2078.73	-37.57	-1.65	37.6	182.5	0.8	355.6
2090.00	2088.73	-37.45	-1.66	37.5	182.5	0.6	356.1
2100.00	2098.73	-37.32	-1.68	37.4	182.6	0.8	344.3
2110.00	2108.73	-37.20	-1.69	37.2	182.6	0.7	351.3
2120.00	2118.73	-37.07	-1.71	37.1	182.6	0.8	354.9
2130.00	2128.73	-36.95	-1.71	37.0	182.7	0.5	358.4
2140.00	2138.73	-36.83	-1.72	36.9	182.7	0.6	13.3
2150.00	2148.73	-36.72	-1.71	36.8	182.7	0.7	8.4
2160.00	2158.73	-36.60	-1.72	36.6	182.7	0.7	353.3
2170.00	2168.73	-36.48	-1.75	36.5	182.7	0.8	355.6
2180.00	2178.73	-36.36	-1.73	36.4	182.7	0.6	352.8
2190.00	2188.72	-36.23	-1.73	36.3	182.7	0.7	4.8
2200.00	2198.72	-36.11	-1.73	36.2	182.7	0.7	358.9
2210.00	2208.72	-36.01	-1.77	36.1	182.8	0.7	226.1
2220.00	2218.72	-35.99	-1.70	36.0	182.7	0.2	255.2
2230.00	2228.72	-35.89	-1.71	35.9	182.7	0.6	0.5
2240.00	2238.72	-35.78	-1.71	35.8	182.7	0.7	10.9
2250.00	2248.72	-35.67	-1.71	35.7	182.7	0.7	2.6
2260.00	2258.72	-35.56	-1.71	35.6	182.8	0.6	356.7
2270.00	2268.72	-35.46	-1.70	35.5	182.7	0.5	11.1
2280.00	2278.72	-35.36	-1.70	35.4	182.8	0.6	2.8
2290.00	2288.72	-35.25	-1.69	35.3	182.8	0.7	349.1
2300.00	2298.72	-35.14	-1.70	35.2	182.8	0.5	14.2
2310.00	2308.72	-35.05	-1.73	35.1	182.8	0.6	318.3
2320.00	2318.72	-35.10	-1.81	35.1	183.0	0.8	194.9
2330.00	2328.72	-35.14	-1.85	35.2	183.0	0.2	334.7
2340.00	2338.72	-35.11	-1.87	35.2	183.1	0.3	39.6
2350.00	2348.72	-35.10	-1.90	35.2	183.1	0.2	292.4
2360.00	2358.72	-35.08	-1.94	35.1	183.2	0.5	261.6
2370.00	2368.72	-35.05	-1.97	35.1	183.2	0.3	343.3
2380.00	2378.72	-34.99	-1.96	35.0	183.2	0.3	323.7
2390.00	2388.72	-34.98	-2.02	35.0	183.3	0.3	7.3
2400.00	2398.71	-34.93	-2.06	35.0	183.4	0.5	252.7
2410.00	2408.71	-34.94	-2.16	35.0	183.5	0.7	282.0
2420.00	2418.71	-34.86	-2.18	34.9	183.6	0.5	331.0
2430.00	2428.71	-34.78	-2.26	34.9	183.7	0.7	310.2
2440.00	2438.71	-34.71	-2.33	34.8	183.8	0.5	287.0
2450.00	2448.71	-34.63	-2.41	34.7	184.0	0.7	325.3
2460.00	2458.71	-34.56	-2.46	34.6	184.1	0.7	301.3
2470.00	2468.71	-34.47	-2.55	34.6	184.2	0.6	299.7
2480.00	2478.71	-34.42	-2.63	34.5	184.4	0.7	324.1
2490.00	2488.71	-34.35	-2.70	34.5	184.5	0.5	327.5
2500.00	2498.71	-34.28	-2.75	34.4	184.6	0.5	300.7
2510.00	2508.71	-34.21	-2.82	34.3	184.7	0.8	317.7
2520.00	2518.71	-34.10	-2.89	34.2	184.8	0.5	335.3
2530.00	2528.71	-34.03	-2.95	34.2	185.0	0.7	328.5
2540.00	2538.71	-33.93	-3.00	34.1	185.1	0.5	339.3
2550.00	2548.71	-33.85	-3.06	34.0	185.2	0.5	304.6
2560.00	2558.71	-33.78	-3.11	33.9	185.3	0.6	333.6
2570.00	2568.71	-33.66	-3.17	33.8	185.4	0.6	329.7
2580.00	2578.70	-33.55	-3.19	33.7	185.4	0.7	345.4
2590.00	2588.70	-33.46	-3.24	33.6	185.5	0.4	334.8
2600.00	2598.70	-33.38	-3.30	33.5	185.6	0.6	309.5
2610.00	2608.70	-33.28	-3.33	33.4	185.7	0.7	342.2
2620.00	2618.70	-33.18	-3.36	33.3	185.8	0.5	10.3
2630.00	2628.70	-33.16	-3.30	33.3	185.7	0.6	64.8
2640.00	2638.70	-33.16	-3.26	33.3	185.6	0.4	217.0
2650.00	2648.70	-33.15	-3.27	33.3	185.6	0.4	348.0
2660.00	2658.70	-33.09	-3.29	33.3	185.7	0.3	328.7
2670.00	2668.70	-33.04	-3.30	33.2	185.7	0.8	11.0
2680.00	2678.70	-32.98	-3.31	33.1	185.7	0.3	15.7
2690.00	2688.70	-32.93	-3.31	33.1	185.7	0.4	358.4
2700.00	2698.70	-32.85	-3.29	33.0	185.7	0.4	21.0
2710.00	2708.70	-32.79	-3.27	33.0	185.7	0.4	20.3

2630.00	2628.70	-33.10	-3.26	33.3	185.6	0.4	217.0
2640.00	2638.70	-33.16	-3.27	33.3	185.6	0.4	348.0
2650.00	2648.70	-33.15	-3.27	33.3	185.7	0.3	328.7
2660.00	2658.70	-33.09	-3.29	33.3	185.7	0.3	11.0
2670.00	2668.70	-33.04	-3.30	33.2	185.7	0.3	15.7
2680.00	2678.70	-32.98	-3.31	33.1	185.7	0.4	358.4
2690.00	2688.70	-32.93	-3.31	33.0	185.7	0.4	21.0
2700.00	2698.70	-32.85	-3.29	33.0	185.7	0.4	20.3
2710.00	2708.70	-32.79	-3.27	32.9	185.7	0.5	31.4
2720.00	2718.70	-32.72	-3.24	32.9	185.6	0.4	94.5
2730.00	2728.70	-32.69	-3.23	32.9	185.6	0.1	8.3
2740.00	2738.70	-32.68	-3.22	32.8	185.5	0.5	63.9
2750.00	2748.70	-32.65	-3.13	32.8	185.4	0.5	82.2
2760.00	2758.70	-32.61	-3.07	32.7	185.3	0.6	16.5
2770.00	2768.70	-32.53	-3.03	32.7	185.3	0.5	15.3
2770.90	2769.60	-32.52	-3.03	32.7	185.3		

DRILL DATA
NOAH HORN WELL DRILLING

COMPANY: CNX
HOLE: P-48A
RIG #: 41
LOCATION: BROWN RIDGE

DATE STARTED: 11-16-07
DATE COMPLETED: 11-30-07

ELECTRIC LOGGED: YES
GROUTED: YES

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
0	18	18	OVERBURDEN
18	30	12	SAND
30	61	31	SAND-SHALE
61	92	31	SAND-SHALE
92	120	28	SAND-SHALE
120	150	30	SANDY SHALE
150	180	30	SANDY SHALE
180	210	30	SANDY SHALE-COAL-SANDY SHALE
210	240	30	SANDY SHALE
240	270	30	SANDY SHALE
270	300	30	SANDY SHALE
300	330	30	SANDY SHALE
330	360	30	SANDY SHALE
360	390	30	SANDY SHALE-COAL-SANDY SHALE
390	420	30	SANDY SHALE
420	450	30	SANDY-SHALE
450	480	30	SANDY SHALE
480	510	30	SANDY SHALE-COAL-SANDY SHALE
510	540	30	SANDY SHALE
540	570	30	SANDY SHALE
570	605	35	SANDY SHALE
605	619	14	SAND-SHALE
619	623	4	BROKE UP - BAD OR VOID
623	635	12	SAND-SHALE-COAL
635	665	30	SAND-SHALE
665	695	30	SAND-SHALE
695	720	25	SAND
720	750	30	SAND-SHALE
750	780	30	SAND-SHALE-COAL
780	810	30	SAND-SHALE-COAL
810	840	30	SAND-SHALE
840	870	30	SAND
870	900	30	SAND-SHALE-COAL
900	910	10	SAND
910	935	25	SAND
935	965	30	SAND-SHALE
965	995	30	SAND-SHALE
995	1025	30	SAND-SHALE-COAL
1025	1055	30	SAND-SHALE

DRILL DATA
NOAH HORN WELL DRILLING

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION, VOIDS ETC
1055	1085	30	SAND-SHALE
1085	1115	30	SAND-SHALE
1115	1145	30	SAND-SHALE-COAL
1145	1175	30	SAND-SHALE
1175	1205	30	SAND
1205	1240	35	SAND-SHALE
1240	1270	30	SAND-SHALE
1270	1300	30	SAND-SHALE
1300	1330	30	SAND
1330	1360	30	SAND-SHALE-COAL
1360	1390	30	SAND-SHALE
1390	1420	30	SAND-SHALE-COAL
1420	1450	30	SAND-SHALE-COAL
1450	1480	30	SAND-SHALE
1480	1510	30	SAND-SHALE
1510	1540	30	SAND-SHALE-COAL
1540	1570	30	SAND-SHALE
1570	1600	30	SAND-SHALE
1600	1630	30	SAND-SHALE
1630	1660	30	SAND-SHALE-COAL
1660	1690	30	SAND-SHALE-COAL
1690	1720	30	SAND-SHALE-COAL
1720	1750	30	SAND-SHALE
1750	1780	30	SANDY SHALE-SAND
1780	1810	30	SANDY SHALE-COAL-SANDY SHALE
1810	1840	30	SANDY SHALE-COAL
1840	1870	30	SANDY SHALE
1870	1900	30	SANDY SHALE-COAL-SAND
1900	1930	30	SAND
1930	1960	30	SAND
1960	1990	30	SAND
1990	2020	30	SAND
2020	2050	30	SAND
2050	2080	30	SAND-SANDY SHALE
2080	2110	30	SAND-SANDY SHALE
2110	2140	30	SAND
2140	2170	30	SAND
2170	2200	30	SAND
2200	2230	30	SAND
2230	2260	30	SAND
2260	2290	30	SAND
2290	2320	30	SAND-COAL-SAND??
2320	2343	23	SAND
2343	2344	1	COAL??
2344	2350	6	SAND
2350	2353	3	SAND
2353	2359	6	COAL-P32
2359	2380	21	SAND
2380	2410	30	SAND
2410	2440	30	SAND

DRILL DATA
NOAH HORN WELL DRILLING

DEPTH FROM	THICKNESS TO	FT	STRATA DESCRIPTION,VOIDS ETC
2440	2470	30	SAND
2470	2500	30	SAND-COAL-SAND
2500	2530	30	SAND
2530	2560	30	SAND-COAL-SAND
2560	2590	30	SAND-SHALE
2590	2620	30	SAND-SHALE
2620	2650	30	SAND
2650	2680	30	SAND-SHALE
2680	2710	30	SAND-SHALE
2710	2740	30	SAND
2740	2770	30	SAND
2770	2800	30	SAND-SHALE-RED SHALE

TOTALS

2800'	TOTAL DEPTH
18'	13 3/8" CASING
667.50'	9 5/8" CASING
890'	7" CASING
2421.60'	4 1/2" CASING