

BU-1392



Commonwealth of Virginia
Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416; Abingdon, VA 24212
Telephone: (540) 676-5423

Operations Name: CBM-PGP-N46
Permit Number: 3841



DRILLING REPORT

JAN 1998
RECEIVED
DIVISION OF
GAS & OIL

ATTACH A FINAL LOCATION PLAT AS REQUIRED BY 4 VAC 25-150-360.C.

DRILLING DATA

Date drilling commenced: October 15, 1998 Drilling Contractor: Noah Horn Well Drilling, Inc.
Date drilling completed: October 21, 1998 Rig Type: X Rotary _____ Cable Tool
Total Depth of Well: 2678.3 ft

GEOLOGICAL DATA - no data available

Fresh Water at _____ Feet _____ GPM/Inch Stream _____ Feet _____ GPM/Inch Stream
_____ Feet _____ GPM/Inch Stream _____ Feet _____ GPM/Inch Stream
Salt Water at _____ Feet _____ GPM/Inch Stream _____ Feet _____ GPM/Inch Stream
_____ Feet _____ GPM/Inch Stream _____ Feet _____ GPM/Inch Stream
Coal Seams

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		MINED OUT
				YES	NO	
See DGO-GO-14, Exhibit A						

Gas and Oil Shows

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Pocahontas	925.22'	2678.3'	1753.08'			

Cuttings or samples: _____ are are not available for examination by a member of the Virginia Division of Mineral Resources

Cuttings or samples: _____ have have not been furnished to the Virginia Division of Mineral Resources

ELECTRIC LOGS AND SURVEYS

List logs ran on wellbore: Gamma, Caliper, Resistivity, Deviation

Did logs disclose vertical location of a coal seam? Yes _____ No

SURVEY RESULTS

Depth Of Survey	Direction/Distance/ Degrees From True Vertical	Depth Of Survey	Direction/Distance Degrees From True Vertical
See Deviation Survey			

Use additional sheets as necessary

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	12 3/4"	0-20.25'	15"					
Surface	12 3/4"	0-20.25'	15"					
Water Protection	4 1/2"	0-2666.23'	6.5"	220	X		10-21-98	
Coal Protection	4 1/2"	0-266.23'	6.5"	220	X		10-21-98	
Other Casing And Tubing Left In Well	7"	0-968.50'	8 7/8"	150	X		10-16-98	Basket at 128'
Liners								

REMARKS: Shut down fishing jobs, depths and dates, caving, lost circulation, etc.: _____
 Basket set at 128'.

Permittee: Pocahontas Gas Partnership (Company)

By: *Leslie K. Armstrong* (Signature)

160'

LATITUDE: 37° 15' 00"

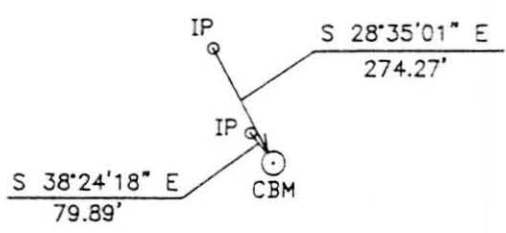
BEARING BASIS:
VIRGINIA STATE PLANE - SOUTH ZONE - NAD'27
ELEVATIONS:
BY TRIG. LEVELS FROM CONSOL INC BM'S



LONGITUDE: 81° 50' 00"
10,620'

80 ACRE UNIT

FINAL LOCATION
CBM-PGP-N46



COORDINATES OF WELL:

STATE PLANE N 339,754.13 E 1,029,467.09

WELL LOCATION PLAT

PGP N46FNL
CON6/194 - 9801/61

Company POCAHONTAS GAS PARTNERSHIP Well Name and Number CBM-PGP-N46
 Tract No. C. A. CLYBORNE Elevation 2871.04 Quadrangle JEWELL RIDGE
 County BUCHANAN District GARDEN Scale: 1" = 400' Date 10-19-98

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" = 24,000, latitude and longitude lines being represented by border lines as shown.

D.R. Price

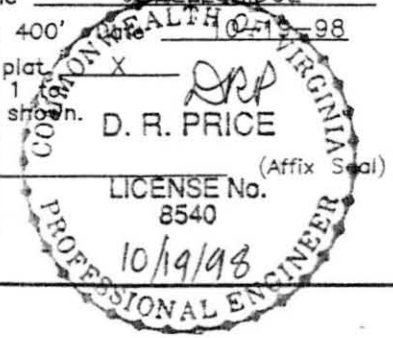


Exhibit A

Well Name: 98-PGP-N46

SURFACE ELEV: 2871.04 EASTING: 1029467.09 NORTHING: 339754.13

SEAM	DEPTH FROM (FT)	DEPTH TO (FT)	ELEVATION (TOSE)	THK. (FT)	REMARKS
US2	1163.00	1163.70	1708.04	0.70	
	1163.70	1372.30	1707.34	208.60	
SE2	1372.30	1373.80	1498.74	1.50	
	1373.80	1475.30	1497.24	101.50	
LS3	1475.30	1476.00	1395.74	0.70	
	1476.00	1507.00	1395.04	31.00	
UH1	1507.00	1509.20	1364.04	2.20	
	1509.20	1548.00	1361.84	38.80	
UH3	1548.00	1549.60	1323.04	1.60	
	1549.60	1606.00	1321.44	56.40	
MH1	1606.00	1607.20	1265.04	1.20	
	1607.20	1673.40	1263.84	66.20	
MH2	1673.40	1674.80	1197.64	1.40	
	1674.80	1710.00	1196.24	35.20	
P11	1710.00	1712.50	1161.04	2.50	
	1712.50	1731.10	1158.54	18.60	
P10	1731.10	1732.20	1139.94	1.10	
	1732.20	1823.20	1138.84	91.00	
LH2	1823.20	1823.70	1047.84	0.50	
	1823.70	1927.50	1047.34	103.80	
P93	1927.50	1928.50	943.54	1.00	
	1928.50	1929.10	942.54	0.60	
P93	1929.10	1929.60	941.94	0.50	
	1929.60	2038.40	941.44	108.80	
P71	2038.40	2039.30	832.64	0.90	
	2039.30	2146.10	831.74	106.80	
P61	2146.10	2147.30	724.94	1.20	
	2147.30	2157.60	723.74	10.30	
P62	2157.60	2158.30	713.44	0.70	
	2158.30	2193.60	712.74	35.30	
P51	2193.60	2194.90	677.44	1.30	
	2194.90	2235.20	676.14	40.30	
P41	2235.20	2236.30	635.84	1.10	
	2236.30	2239.00	634.74	2.70	
P42	2239.00	2240.00	632.04	1.00	
	2240.00	2333.30	631.04	93.30	
P31	2333.30	2334.60	537.74	1.30	
	2334.60	2370.00	536.44	35.40	
P3	2370.00	2370.90	501.04	0.90	
	2370.90	2371.20	500.14	0.30	
P3	2371.20	2374.50	499.84	3.30	
	2374.50	2675.20	496.54	300.70	

NOTE: FOOTAGE NOT ADJUSTED FOR DEVIATION
 NO GEOPHYSICAL LOG FROM 0 TO 954 FT
 FILE: C:\GAS\N46.CMP
 DATE: 10/29/98

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

COMPANY: PGP

HOLE NO.: N-46

LOCATION: BUCHANAN COUNTY

DRILL: #38

DATE STARTED: 10-15-98

ELECTRIC LOGGED: Yes

DATE COMPLETED: 10-21-98

GROUTED: Yes

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC.
0.00	15.00	15.00	OVERBURDEN	15" HOLE
15.00	85.00	70.00	SANDSTONE	12 3/4" CASING
85.00	115.00	30.00	S W/ COAL & SSH	8 7/8" HOLE
115.00	145.00	30.00	SANDY SHALE W/ SAND	
145.00	175.00	30.00	SAND W/ SANDY SHALE	
175.00	205.00	30.00	SANDY SHALE W/ COAL & SAND	
205.00	265.00	60.00	SANDSTONE	
265.00	295.00	30.00	SAND W/ COAL & SANDY SHALE	
295.00	325.00	30.00	SANDY SHALE W/ SAND	
325.00	355.00	30.00	SANDSTONE	
355.00	385.00	30.00	SAND W/ SANDY SHALE	
385.00	415.00	30.00	SANDY SHALE W/ SAND & COAL	
415.00	445.00	30.00	SAND W/ COAL & SSH	
445.00	475.00	30.00	SANDY SHALE W/ SAND & SSH	
475.00	505.00	30.00	SANDSTONE	
505.00	535.00	30.00	SAND W/ SANDY SHALE	
535.00	565.00	30.00	SANDY SHALE W/ COAL & SAND	
565.00	595.00	30.00	SAND W/ COAL & SANDY SHALE	
595.00	625.00	30.00	SANDY SHALE W/ SAND & SSH	
625.00	655.00	30.00	SANDY SHALE W/ COAL & SAND	
655.00	685.00	30.00	SAND W/ COAL & SANDY SHALE	
685.00	715.00	30.00	SAND W/ SANDY SHALE	
715.00	745.00	30.00	SANDY SHALE W/ SAND	
745.00	775.00	30.00	SANDSTONE	
775.00	805.00	30.00	SAND W/ SANDY SHALE	
805.00	835.00	30.00	SANDY SHALE W/ COAL & SSH	
835.00	865.00	30.00	SAND W/ SANDY SHALE	
865.00	895.00	30.00	SAND W/ COAL & SANDY SHALE	
895.00	975.00	80.00	SANDY SHALE	7" CASING
975.00	1027.00	52.00	SANDY SHALE	6 1/2" HOLE
1027.00	1057.00	30.00	SANDY SHALE W/ SAND	
1057.00	1117.00	60.00	SANDSTONE	

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC.
1117.00	1147.00	30.00	SAND W/ SANDY SHALE & SAND	
1147.00	1177.00	30.00	SANDSTONE	
1177.00	1237.00	60.00	SANDY SHALE W/ SAND STREAKS	
1237.00	1267.00	30.00	SANDY SHALE	
1267.00	1297.00	30.00	SANDY SHALE W/ SAND STREAKS	
1297.00	1327.00	30.00	SAND W/ SANDY SHALE	
1327.00	1357.00	30.00	SANDY SHALE	
1357.00	1387.00	30.00	SANDY SHALE W/ COAL STREAKS	
1387.00	1417.00	30.00	SANDY SHALE	
1417.00	1507.00	90.00	SANDY SHALE W/ COAL STREAKS	
1507.00	1537.00	30.00	SAND W/ SHALE STREAKS	
1537.00	1567.00	30.00	SSH W/ SAND & COAL STRKS	
1567.00	1597.00	30.00	SANDY SHALE	
1597.00	1627.00	30.00	SANDY SHALE W/ COAL STREAKS	
1627.00	1657.00	30.00	SHALE	
1657.00	1687.00	30.00	SANDY SHALE W/ SAND STREAKS	
1687.00	1717.00	30.00	SANDY SHALE W/ COAL STREAKS	
1717.00	1747.00	30.00	SANDY SHALE W/ SAND STREAKS	
1747.00	1807.00	60.00	SANDY SHALE	
1807.00	1837.00	30.00	SHALE W/ SSH & COAL STREAKS	
1837.00	1867.00	30.00	SANDY SHALE	
1867.00	1897.00	30.00	SANDY SHALE W/ COAL STREAKS	
1897.00	1927.00	30.00	SANDY SHALE	
1927.00	1957.00	30.00	SANDY SHALE W/ COAL STREAKS	
1957.00	2017.00	60.00	SANDY SHALE	
2017.00	2047.00	30.00	SANDY SHALE W/ SAND STREAKS	
2047.00	2077.00	30.00	SAND W/ SHALE STREAKS	
2077.00	2107.00	30.00	SANDY SHALE W/ SAND	
2107.00	2137.00	30.00	SANDSTONE	
2137.00	2167.00	30.00	SAND W/ SANDY SHALE & SAND	
2167.00	2193.00	26.00	SAND W/ COAL & SSH 6 1/4" HOLE	
2193.00	2223.00	30.00	SANDY SHALE	
2223.00	2253.00	30.00	SANDY SHALE W/ SAND	
2253.00	2283.00	30.00	SAND W/ COAL & SANDY SHALE	
2283.00	2313.00	30.00	SAND W/ SANDY SHALE	
2313.00	2343.00	30.00	SAND W/ SHALE & COAL STREAKS	
2343.00	2360.00	17.00	SAND W/ SHALE STREAKS	
2360.00	2365.00	5.00	COAL - POCA #3	
2365.00	2373.00	8.00	SANDY SHALE W/ SAND STREAKS	
2373.00	2403.00	30.00	SANDSTONE	
2403.00	2433.00	30.00	SANDY SHALE W/ SAND STREAKS	

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC.
2433.00	2463.00	30.00	SANDSTONE	
2463.00	2523.00	60.00	SAND W/ SHALE STREAKS	
2523.00	2553.00	30.00	SAND W/ SHALE & COAL	
2553.00	2583.00	30.00	SANDY SHALE	
2583.00	2613.00	30.00	SANDY SHALE W/ SAND STREAKS	
2613.00	2675.00	62.00	SAND W/ SHALE STREAKS	
2675.00'	TOTAL DEPTH			
20.25'	12 3/4" CASING			
968.50'	7" CASING			
2668.00'	4 1/2" CASING			