



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: 842  
 Company: Chesapeake Appalachia, LLC  
 File Number: BU-3410  
 Operations Name: 826095 (HCS-104) W/PL  
 Operation Type: Gas/Pipeline  
 Drilling Report Type: Original

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

#### 1. Drilling Data

Date drilling commenced: 6/10/2007 Drilling Contractor: Yost Drilling  
 Date drilling completed: 6/20/2007 Rig Type:  Rotary  Cable Tool  
 Driller's Total Depth (feet): 6,028  
 Log Total Depth (feet): 6,030 Formation At Total Depth Onandoga

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

Permitted State Plane X 934,400 Final Plat State Plane X: 934,400  
 Permitted State Plane Y: 384,380 Final Plat State Plane Y: 384,380

Plat Previously Submitted Or...

List of Attached Items:

| Description             | FileName              |
|-------------------------|-----------------------|
| Final Plat Well #826095 | final plat 826095.pdf |

#### 3. Geological Data

*Fresh Water At:*

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
| 188             | Damp |                 |
| 230             | 0.5  | INCH            |

*Salt Water At:*

| Depth (in feet) | Rate | Unit of Measure |
|-----------------|------|-----------------|
| 1,735           | Damp |                 |

**Coal Seams**

List of Attached Items:

| Description             | FileName               |
|-------------------------|------------------------|
| Coal Seams Well #826095 | CoalBeds 826095xls.xls |

**Gas and Oil Shows**

List of Attached Items:

| Description | FileName |
|-------------|----------|
|-------------|----------|

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

List all logs run: GR,CNL,LDT,SIB,TEMP,AUDIO

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                  |
|-----------------------------|---------------------------|
| Survey Results Well #826095 | Survey Results 826095.xls |

**6. Casing and Tubing Program**

List of Attached Items:

| Description                  | FileName                  |
|------------------------------|---------------------------|
| Casing Program Well # 826095 | Casing Program 826095.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.

9 5/8" Job: Job did not circulate, grouted back to surface w/ 50 sks Class A cement

**8. Drillers Log**

Compiled By: Chad L Satterfield

List of Attached Items:

| Description                | FileName               |
|----------------------------|------------------------|
| Drillers Log Well # 826095 | DrillersLog 826095.xls |

**9. Comments**

**10. Signature**

Permitee: Chesapeake Appalachia, LLC Date: 11/27/2007 (Company)

Signed By: Chad L Satterfield Title: Drilling Engineer (Signature)

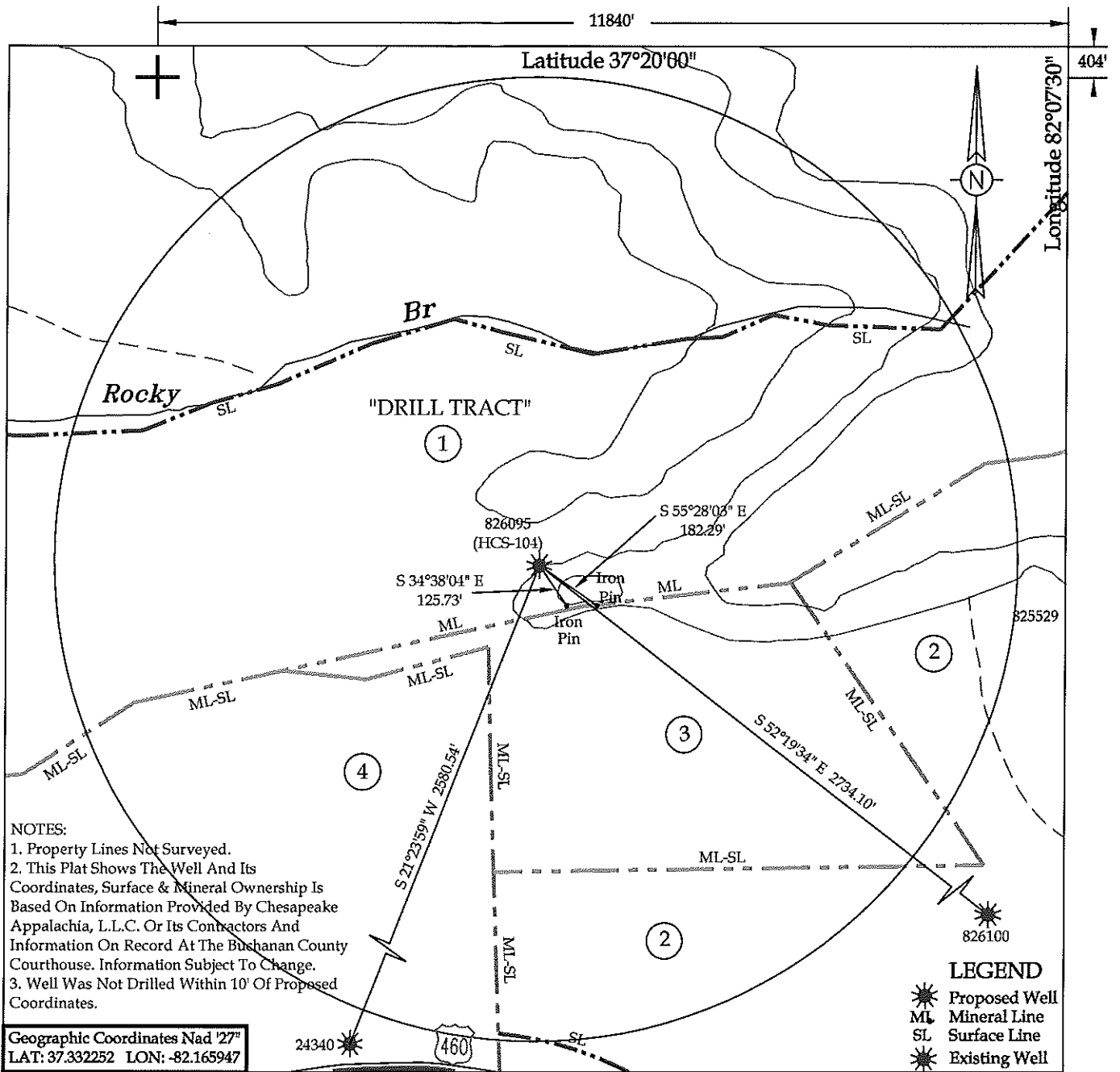
**INTERNAL USE ONLY**

Submit Date: 11/27/2007

Status: Inspr Approved

Date: 12/3/2007

Final PDF Date: 12/3/2007



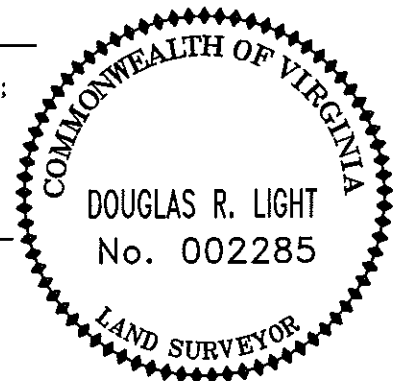
Area of Unit-112.69 Acres  
**WELL LOCATION PLAT**

Company CHESAPEAKE APPALACHIA, L.L.C. Well Name or Number 826095 (HCS-104)  
 Tract No. JAMES E. BUSKIRK, ET AL & EAGLE COAL CORP. Quadrangle HARMAN  
 District ROCKCLICK  
 Well Coordinates (Virginia State Plane) N: 384,379.69 E: 934,400.22  
 Elevation: 1757.08 Method Used to Determine Elevation: Trig. Levels from GPS derived elevation.  
 County BUCHANAN Scale: 1" = 400' Date 6-27-07

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.

*Douglas R. Light*  
 06-27-07  
 Licensed Professional Engineer or Licensed Land Surveyor



DGO-7 Supplement  
WELL UNIT PROPERTY OWNER INDEX  
826095 (HCS-104) with pipeline

(1)  
Drill Tract

Coal & Mineral  
James E. Buskirk Et Al (2/3 Int.)  
Eagle Coal Corp. (1/3 Int.)  
64.28 Ac. ~ 57.04% of 112.69 Ac.

Surface  
Larry Allen Davis

(2)  
Green Charles Estate  
14.55 Ac. ~ 12.91 % of 112.69 Ac.

(3)  
James E. Buskirk Et Al  
17.02 Ac. ~ 15.10 % of 112.69 Ac.

(4)  
Big Sandy Coal Corp.  
16.84 Ac. ~ 14.95 % of 112.69 Ac.

| Well 826095 COALBEDS |     |        |           | MINING IN AREA |    |           |
|----------------------|-----|--------|-----------|----------------|----|-----------|
| NAME                 | TOP | BOTTOM | THICKNESS | YES            | NO | MINED OUT |
| Unknown              | 105 | 107    | 2         |                | X  | NO        |
| Unknown              | 230 | 236    | 6         |                | X  | NO        |
| Unknown              | 526 | 536    | 10        |                | X  | NO        |
| Unknown              | 594 | 597    | 3         |                | X  | NO        |

| Well 826095 SURVEY RESULTS |  |
|----------------------------|--|
| Depth of Survey            | Direction/Distance/Degree From True Vertical |
| 200                        | 3/4 degree                                   |
| 400                        | 3/4 degree                                   |
| 811                        | 3/4 degree                                   |
| 1031                       | 3/4 degree                                   |
| 1217                       | 3/4 degree                                   |
| 1409                       | 3/4 degree                                   |
| 1639                       | 3/4 degree                                   |
| 1851                       | 3/4 degree                                   |
| 2031                       | 3/4 degree                                   |

| Well 826095 CASING PROGRAM |         |          |         |              |                     |           |                         |
|----------------------------|---------|----------|---------|--------------|---------------------|-----------|-------------------------|
|                            | Casing  | Casing   | Hole    | Cement Used  | Cemented To Surface | Date      | Packers Or Bridge Plugs |
| Casing Type                | Size    | Interval | Size    | In Cubic Ft. | Yes/No              | Cemented  | Kind/Size/Set           |
| Driven                     | 13 3/8" | 35' KB   | 17 1/2" | Driven       | No                  |           |                         |
| Surface                    | 9-5/8"  | 630' KB  | 12-1/4" | 177          | Yes                 | 6/11/2007 | Grout basket at 101'    |
| Intermediate               | 7"      | 2096'KB  | 8-3/4"  | 437.7        | Yes                 | 6/15/2007 | Grout basket at 101'    |
| Production                 | 4-1/2"  | 5993'KB  | 6-1/4"  | 352.8        | No                  | 6/20/2007 |                         |



| Well 826095 DRILLER'S LOG |             |                        |       |           |              |           |         |
|---------------------------|-------------|------------------------|-------|-----------|--------------|-----------|---------|
| Geologic Age              | Formation   | General Lithology      | Color | Depth Top | Depth Bottom | Thickness | Remarks |
| Penn                      | Lee         | Siltstone & Shale/Coal |       | 0         | 1287         | 1287      |         |
| Penn                      | Salt Sand   | Sandstone              |       | 1287      | 2030         | 743       |         |
| Miss                      | Pennington  | Siltstone & Shale      |       | 2030      | 2546         | 516       |         |
| Miss                      | Upper Maxon | Sandstone              |       | 2546      | 2641         | 95        |         |
| Miss                      | Pennington  | Siltstone & Shale      |       | 2641      | 2958         | 317       |         |
| Miss                      | Lower Maxon | Sandstone              |       | 2958      | 3029         | 71        |         |
| Miss                      | Pennington  | Siltstone & Shale      |       | 3029      | 3100         | 71        |         |
| Miss                      | Bradley     | Sandstone              |       | 3100      | 3180         | 80        |         |
| Miss                      | Pennington  | Siltstone & Shale      |       | 3180      | 3197         | 17        |         |
| Miss                      | Little Lime | Limestone              |       | 3197      | 3234         | 37        |         |
| Miss                      | Big Lime    | Limestone              |       | 3234      | 3661         | 427       |         |
| Miss                      | Pocono      | Shale                  |       | 3661      | 3820         | 159       |         |
| Miss                      | Weir        | Sandstone              |       | 3820      | 3873         | 53        |         |
| Miss                      | Pocono      | Shale                  |       | 3873      | 4308         | 435       |         |
| Miss                      | Sunbury     | Shale                  |       | 4308      | 4324         | 16        |         |
| Miss                      | Berea       | Sandstone              |       | 4324      | 4335         | 11        |         |
| Devonian                  | Devonian    | Shale                  |       | 4335      | 5259         | 924       |         |
| Devonian                  | Lower Huron | Shale                  |       | 5259      | 5500         | 241       |         |
| Devonian                  | Java        | Shale                  |       | 5500      | 5758         | 258       |         |
| Devonian                  | Rhinestreet | Shale                  |       | 5758      | 5929         | 171       |         |
| Devonian                  | Marcellus   | Shale                  |       | 5929      | 5936         | 7         |         |
| Devonian                  | Onondoga    | Limestone              |       | 5936      | 6030         | 94        |         |