



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: 282
Company: Chesapeake Appalachia, LLC
File Number: BU-3260
Operations Name: 825526 (HY-110) W/PL
Operation Type: Gas/Pipeline
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 12/4/2006 Drilling Contractor: S. W. Jack Drilling Co.
Date drilling completed: 12/15/2006 Rig Type: Rotary Cable Tool
Driller's Total Depth (feet): 5,912
Log Total Depth (feet): 5,922 Formation At Total Depth Onandoga

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

Permitted State Plane X: 937,014 Final Plat State Plane X: 937,014
Permitted State Plane Y: 392,183 Final Plat State Plane Y: 392,184
 Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
825526 Final Plat	825526 Final Plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
85	Damp	

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
-----------------	------	-----------------

Coal Seams

List of Attached Items:

Description	FileName
825526 Coal Seams	CoalBeds 825526.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, LDT, CNL, AIT, PE, Audio, & Temp

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
825526 Survey Results	Survey Results 825526.xls

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
825526 Casing Program	Casing Program 825526.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.

13 3/8" cement did not circulate, grouted to surface with 72 sks Class A cement.

8. Drillers Log

Compiled By: Aaron Casto

List of Attached Items:

Description	FileName
825526 Drillers Log	DrillersLog 825526.xls

9. Comments

10. Signature

Permitee: Chesapeake Appalachia, LLC Date: 4/11/2007 (Company)

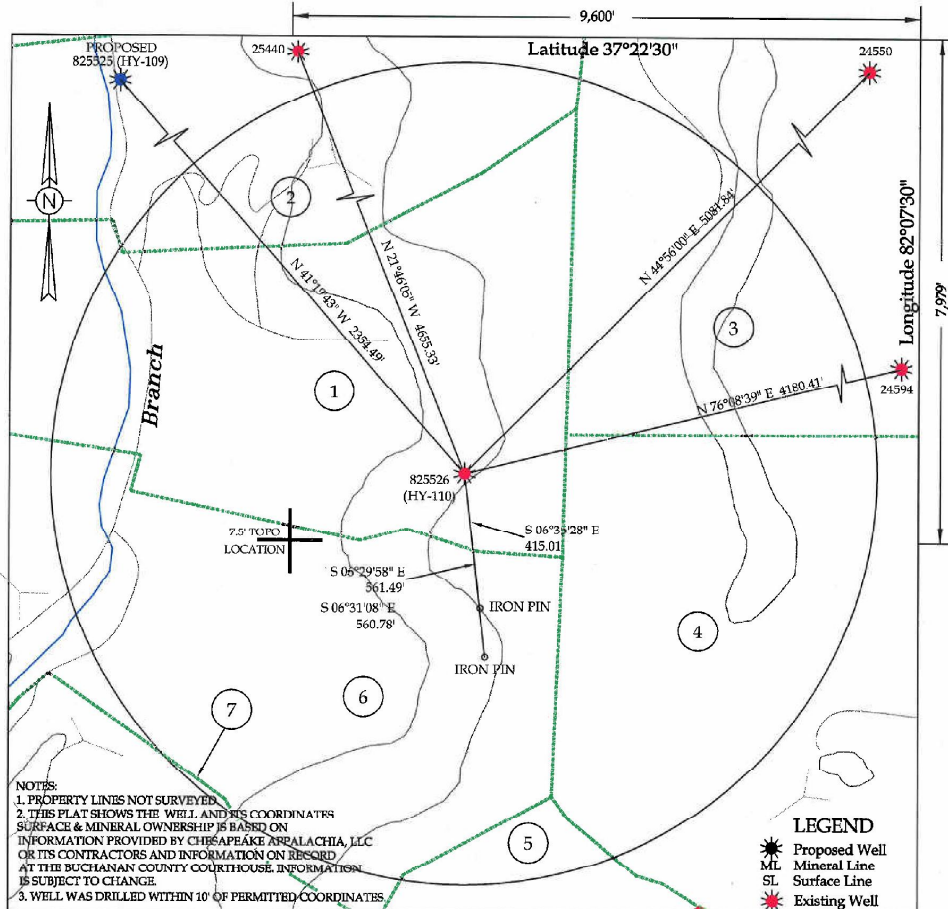
Signed By: Aaron Casto Title: Drilling Engineer (Signature)

INTERNAL USE ONLY

Submit Date: 4/11/2007

Status: Inspr Approved Date: 4/13/2007

Final PDF Date: 5/30/2007



Area of Unit-112.69 Acres
WELL LOCATION PLAT

Company CHESAPEAKE APPALACHIA, L.L.C. Well Name or Number 825526 (HY-110)

Tract No. BUCHANAN GAS CO. Quadrangle HARMAN

District ROCKLICK

Well Coordinates (Virginia State Plane) N: 392,184.05 E: 937,014.00

Elevation: 1710.26 Method Used to Determine Elevation: TRIG. LEVELS FROM GPS ELEVATIONS

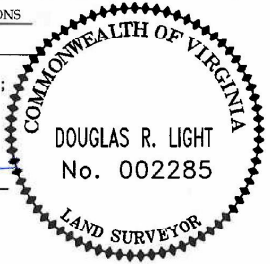
County BUCHANAN Scale: 1" = 400' Date 1-18-07

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.

Form DGO-GO-7
 Rev. 1-98

Douglas R. Light
 Licensed Professional Engineer or Licensed Land Surveyor



DGO-7 Supplement
WELL UNIT PROPERTY OWNER INDEX
825526 (HY-110)

(1)

Drill Tract
Surface & Coal:
Wellmore Coal Co.
Gas:
Buchanan Gas Co.
31.50 Ac. ~ 27.95% of 112.69 Ac.

(2)

Buchanan Gas Co.
10.50 Ac. ~ 9.32% of 112.69 Ac.

(3)

Jane Lester Daffron, etal
16.45 Ac. ~ 14.60% of 112.69 Ac.

(4)

Jane Lester Daffron, etal
22.21 Ac. ~ 19.71% of 112.69 Ac.

(5)

June Wallace, etal
1.94 Ac. ~ 1.72% of 112.69 Ac.

(6)

Mildred Tackett, etal
30.00 Ac. ~ 26.62% of 112.69 Ac.

(7)

Geneva B. Hines, etal
0.09 Ac. ~ 0.08% of 112.69 Ac.

Well 825526 COALBEDS				MINING IN AREA		
NAME	TOP	BOTTOM	THICKNESS	YES	NO	MINED OUT
Unknown	205	207	2		X	NO
Unknown	487	491	4		X	NO

Well 825526 SURVEY RESULTS

Depth of Survey	Direction/Distance/Degree From True Vertical
204	1/2 degree
329	1/2 degree
419	1/2 degree
499	3/4 degree
694	3/4 degree
913	3/4 degree
1037	1/2 degree
1100	1/4 degree
1225	1/4 degree
1408	3/4 degree
1595	1/2 degree
1813	1/2 degree
1999	1/2 degree
2123	1/2 degree

Well 825526 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
Conductor	20"	22' KB	26"	Driven	No		
Surface	13 3/8"	407' KB	17 1/2"	250	Yes	12/6/2006	Grout basket at 132'
Surface	9-5/8"	538'KB	12-1/4"	295	Yes	12/7/2006	Grout basket at 396'
Coal Protection	7"	2247'KB	8-7/8"	451	Yes	12/11/2006	Grout basket at 88'
Production	4-1/2"	5885'KB	6-1/4"	343	No	12/15/2006	

Well 825526 DRILLER'S LOG		General		Depth	Depth		
Geologic Age	Formation	Lithology	Color	Top	Bottom	Thickness	Remarks
Penn	Lee	Siltstone & Shale/Coal		0	1244	1244	
Penn	Salt Sand	Sandstone		1244	2145	901	
Miss	Pennington	Siltstone & Shale		2145	2320	175	
Miss	Ravenclyff	Sandstone		2320	2332	12	
Miss	Pennington	Siltstone & Shale		2332	2396	64	
Miss	Upper Maxon	Sandstone		2396	2496	100	
Miss	Pennington	Siltstone & Shale		2496	2721	225	
Miss	Lower Maxon	Sandstone		2721	2776	55	
Miss	Pennington	Siltstone & Shale		2776	3065	289	
Miss	Bradley	Sandstone		3065	3105	40	
Miss	Pennington	Siltstone & Shale		3105	3130	25	
Miss	Little Lime	Limestone		3130	3170	40	
Miss	Big Lime	Limestone		3170	3603	433	
Miss	Pocono	Shale		3603	3735	132	
Miss	Weir	Sandstone		3735	3908	173	
Miss	Pocono	Shale		3908	4278	370	
Miss	Sunbury	Shale		4278	4296	18	
Miss	Berea	Sandstone		4296	4302	6	
Devonian	Devonian	Shale		4302	5143	841	
Devonian	Lower Huron	Shale		5143	5408	265	
Devonian	Java	Shale		5408	5522	114	
Devonian	Angola	Shale		5522	5608	86	
Devonian	Rhinestreet	Shale		5608	5807	199	
Devonian	Marcellus	Shale		5807	5824	17	
Devonian	Onondoga	Limestone		5824	5922	98	