



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: 968
 Company: Daugherty Petroleum, Inc.
 File Number: LE-0218
 Operations Name: DPI 1771
 Operation Type: Gas
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 10/10/2007 Drilling Contractor: Phoenix Drilling Inc.
 Date drilling completed: 10/31/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,912
 Log Total Depth (feet): 5,912 Formation At Total Depth Clinton

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

Permitted State Plane X 669,293 Final Plat State Plane X: 669,293
 Permitted State Plane Y: 206,203 Final Plat State Plane Y: 206,203

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
shows 1771	gas shows 1771.xls

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure

Salt Water At:

Depth (in feet)	Rate	Unit of Measure
2471'	1/4	INCH

Coal Seams

List of Attached Items:

Description	FileName
1771 coal seams	coalseam 1771.xls

Gas and Oil Shows

List of Attached Items:

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

List all logs run: Gamma Ray, Density, Neutron, Temperature, Audio, PE

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 1771	survey 1771.xls

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	CasingProgram(1).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.

4395' Fish for 7" casing (10-19-07 to 10-24-07)

8. Drillers Log

Compiled By: Shannon Williams

List of Attached Items:

Description	FileName
driller's log	DrillersLog.xls

9. Comments

Received hard copy 1/3/08 data entered by Diane Davis

10. Signature

Permittee: Daugherty Petroleum, Inc. Date: 1/4/2008 (Company)

Signed By: Shannon Williams Title: Geologist (Signature)

INTERNAL USE ONLY

Submit Date: 1/4/2008

Status: Inspr Approved

Date: 1/4/2008

Final PDF Date: 1/9/2008

Gas and Oil Shows

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Weir	4713	5030		317 Odor		
Brown Shale	5179	5589		410 Odor		
Corniferous	5589	5791		202 Odor		

Coal Seams

				MINING IN AREA		
NAME	TOP	BOTTOM	THICKNESS	YES	NO	MINED OUT
Upper Mason	445	448	3		X	

Survey Results

Depth of Survey	Direction/Distance/Degree From True Vertical
237	1/2 degree
449	1 degree
639	3/4 degree
850	1/2 degree
1050	1/2 degree
1271	1/2 degree
1481	1/2 degree
1701	3/4 degree
1911	3/4 degree
2110	3/4 degree
2310	3/4 degree
2541	1/2 degree
2739	1 degree
2951	1/2 degree
3151	1/2 degree
3351	1/2 degree
3561	1/2 degree
3741	1/2 degree
3941	1/2 degree
4161	1/2 degree

Survey Results

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237	1/2 degree
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3941	1/2 degree
4161	1/2 degree

Casing Program

	Casing	Casing	Hole	Cement Used	Cemented To Surface	Date
Casing Type	Size	Interval	Size	In Cubic Ft.	Yes/No	Cemented
Conductor	13 3/8	0-92	17 1/2	N/A		
Water Protection	9 5/8	0-615	12 3/8	295	Yes	10/11/2007
Coal Protection	7	0-4350	8 7/8	900	Yes	10/25/2007
Other Casing	4 1/2	0-5834	6 1/4	210	No	10/31/2007

Packers Or Bridge Plugs
Kind/Size/Set

