



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: 1125
Company: Daugherty Petroleum, Inc.
File Number: LE-0216
Operations Name: 1796
Operation Type: Gas
Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 8/23/2007 Drilling Contractor: Phoenix Drilling
Date drilling completed: 9/2/2007 Rig Type: Rotary Cable
Driller's Total Depth (feet): 5856.00
Log Total Depth (feet): 0.00 Formation At Total Depth: Silurian

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

Permitted State Plane X: 662626.53 Final Plat State Plane X: 662626.53
Permitted State Plane Y: 207797.23 Final Plat State Plane Y: 207797.23

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
-------------	----------

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
-------------	----------

Gas and Oil Shows:

List of Attached Items:

Description	FileName
gasshows	le216.xls

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?

5. Survey Results (As required by 4VAC25-150-280.B.2)

List of Attached Items:

Description	FileName
deviation	le216 deviation.xls

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
casing	LE216 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.

8. Drillers Log

Compiled By: Shannon Williams

List of Attached Items:

Description	FileName
driller's log	le216 drillerslog.xls

9. Comments

Hard copy already approved [2/26/2008, djd]

10. Signature

Permitee: Daugherty Petroleum, Inc.

Date: 2/26/2008

Signed By: Shannon Williams

Title: Geologis

INTERNAL USE ONLY

Submit Date: 2/26/2008

Status: A

Date: 2/26/2008

Final PDF Date: 2/28/2008

Gas and Oil Shows

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Weir	4747	4928		181 Odor		
Brown Shale	5150	5561		411 Odor		

Survey Results

Depth of Survey	Direction/Distance/Degree From True Vertical
219	1 degree
399	3/4 degree
608	1 degree
809	3/4 degree
1009	3/4 degree
1229	3/4 degree
1449	3/4 degree
1659	3/4 degree
1869	1 degree
2049	1 degree
2249	1 degree
2449	1 degree
2709	1 degree
2909	1 degree
3109	1 degree
3309	1 degree
3509	1 degree
3709	1 degree
4049	1 degree
4249	1 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	0-40	17 1/2	NA		
Water Protection	9 5/8	0-619	12 3/8	413	Y	08/24/07
Coal Protection	7	0-4338	8 3/4	808	Y	08/30/07
Other	4 1/2	0-4792	6 1/4	211	N	09/03/07

Packers Or Bridge Plugs
Kind/Size/Set

