



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: 636
 Company: Daugherty Petroleum, Inc.
 File Number: LE-0210
 Operations Name: 1775
 Operation Type: Gas
 Drilling Report Type: Original

DRILLING REPORT (DGO-GO-14)

1. Drilling Data

Date drilling commenced: 3/27/2007 Drilling Contractor: PHOENIX DRILLING INC
 Date drilling completed: 4/26/2007 Rig Type: Rotary Cable Tool
 Driller's Total Depth (feet): 5,768
 Log Total Depth (feet): 0 Formation At Total Depth Clinton

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

Permitted State Plane X 680,509 Final Plat State Plane X: 680,509
 Permitted State Plane Y: 211,141 Final Plat State Plane Y: 211,141

Plat Previously Submitted Or...

List of Attached Items:

Description	FileName
1775 PLAT	1775plat.pdf

3. Geological Data

Fresh Water At:

Depth (in feet)	Rate	Unit of Measure
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Salt Water At:

Depth (in feet)	Rate	Unit of Measure
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Coal Seams

List of Attached Items:

Description	FileName
1775 SEAMS	1775seams.pdf

Gas and Oil Shows

List of Attached Items:

Description	FileName
1775 SHOWS	1775shows.pdf

4. Electric Logs (As required by 4VAC25-150-280.A.)List all logs run: GR/DEN/NEU/TEMP/AUDIO/PEDid 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
1775 SURVEY	1775SURVEY.pdf

6. Casing and Tubing Program

List of Attached Items:

Description	FileName
1775 CASING	1775CASING.pdf

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 LogCompiled By: SHANNON WILLIAMS

List of Attached Items:

Description	FileName
1775 DRILLER'S LOG	1775DRILL.pdf

9. Comments

10. Signature

Permittee: Daugherty Petroleum, Inc. Date: 8/24/2007 (Company)

Signed By: SHANNON WILLIAMS Title: GEOLOGIST (Signature)

INTERNAL USE ONLY

Submit Date: 8/24/2007

Status: Inspr Approved

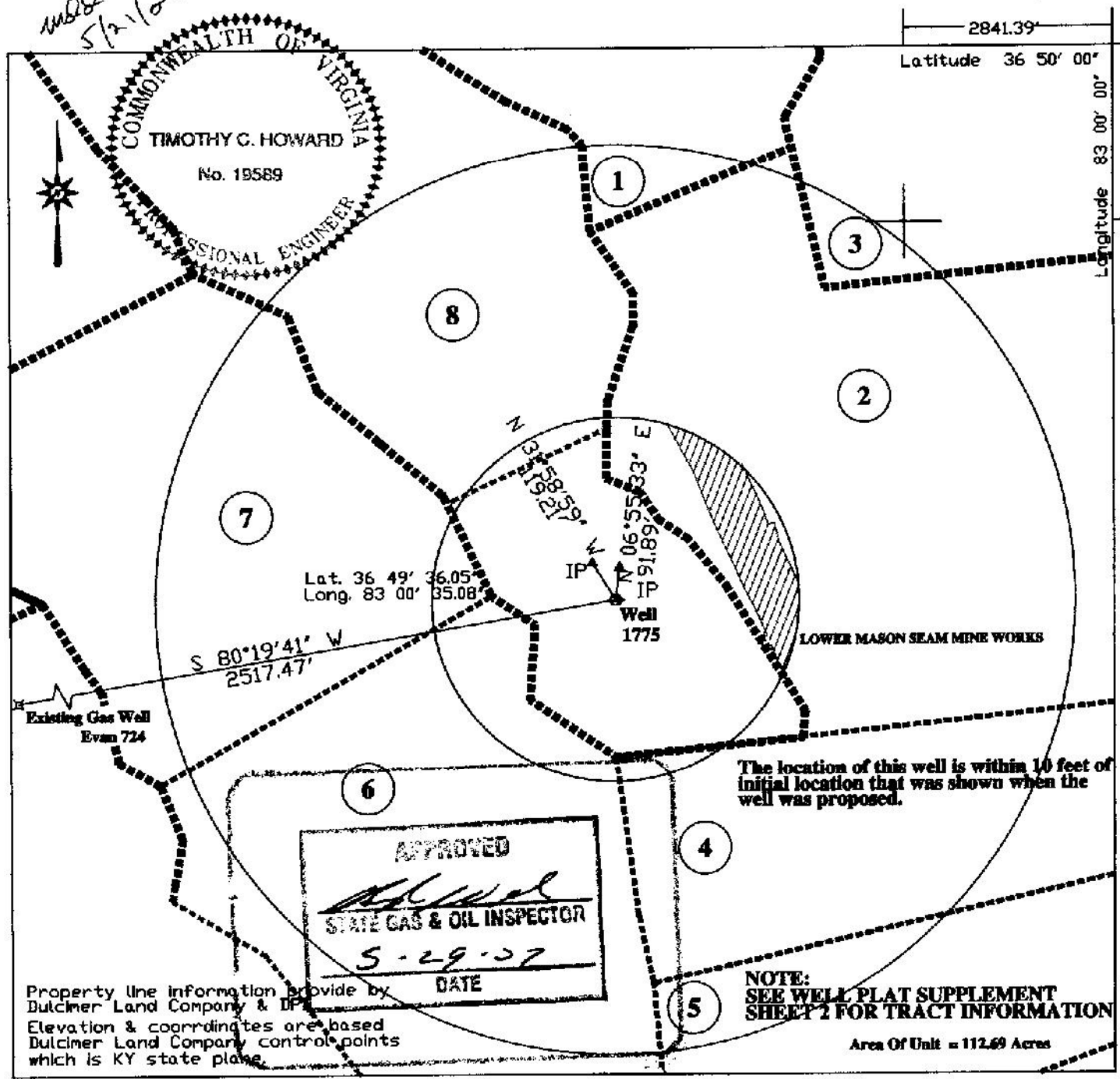
Date: 8/27/2007

Final PDF Date: 8/27/2007

LE 0210

MSD
5/2/07

MTD



WELL LOCATION PLAT

COMPANY: DAUGHERTY PETROLEUM, INC. WELL NAME OR NUMBER 1775
 TRACT NUMBER DULCIMER LAND COMPANY - TRACT 30-261 QUADRANGLE Pennington Gap
 DISTRICT Rocky Station
 WELL COORDINATES (VIRGINIA STATE PLANE): N 211141.32 E 680508.68
 ELEVATION 1876.79 METHOD USED TO DETERMINE ELEVATION:
GPS survey from control point on well 1755.
 COUNTY Lee SCALE- 1" = 400' DATE: 5/10/07

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. (optional)

Timothy C. Howard
 Licensed Professional Engineer or Licensed Land Surveyor (Affix Seal)



Coal Seams

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA		MINED OUT
				YES	NO	
None reported						

Gas and Oil Shows

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
Big Lime	4083'	4486'	403'	Odor		
Weir	4486'	4803'	317'	Odor		
Brown Shale	4958'	5440'	482'	Odor		

Form DGO-GO-14
Rev. 1/98

SURVEY RESULTS

Depth Of Survey	Direction/Distance/ Degrees From True Vertical	Depth Of Survey	Direction/Distance Degrees From True Vertical
530'	1/2 deg		
730'	1/2 deg		
939'	1/2 deg		
1149'	1/2 deg		
1329'	1/2 deg		
1569'	1/2 deg		
1739'	3/4 deg		
1949'	3/4 deg		
2129'	3/4 deg		
2339'	1/2 deg		
2549'	1 deg		
2759'	1 deg		
2969'	1 deg		
3179'	3/4 deg		
3319'	3/4 deg		
3565'	1 deg		

Use additional sheets as necessary

DRILLER'S LOG

Compiled by: Shannon Williams

Geologic Age	Formation	General Lithology	Color	Depth		Thickness	Remarks
				Top	Bottom		
Pennsylvanian	Norton	Sand/SH/Coal	D. Gray	0'	1570'	1570'	
	Lee Sands	Sand/SH/Coal	Gray/Blk	1570'	2975'	1405'	
Mississippian	Upper Pennington	Shale	Gray	2975'	3578'	603'	
	Ravenclyff	Sand/Shale	Br/Gray	3578'	3632'	54'	
	Maxon	Sand/Shale	Wh/Gray	3632'	3823'	191'	
	Lower Pennington	Shale	Gray	3823'	4012'	189'	
	Little Lime	Lime	Gray	4012'	4074'	62'	
	Pencil Cave	Shale	Gm/Gray	4074'	4083'	9'	
	Big Lime	Lime	Wh/Gray	4083'	4486'	403'	
	Weir	Sand/Siltstone	Dk Gray	4486'	4803'	317'	
	Sunbury	Shale	Black	4803'	4898'	95'	
	Berea	Siltstone/Sh	Dk Gray	4898'	4958'	60'	
Silurian	Brown Shale	Shale	Black	4958'	5440'	482'	
	Corniferous	Lime/Dlomite.	Tan/Gray	5440'	5658'	218'	
	Clinton	Shale	Red/Gm.	5658'	5768'	110'	LTD: 5768'

Permittee: Daugherty Petroleum, Inc. (Company)

By: Shannon Williams, Geologist *Shannon Williams* (Signature)