

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS MANAGEMENT PROGRAM  
**WELL LOCATION PLAT**

DEP	Auth ID #:	12/17/08
USE	Permit #:	115-20097
ONLY	Project #:	C:

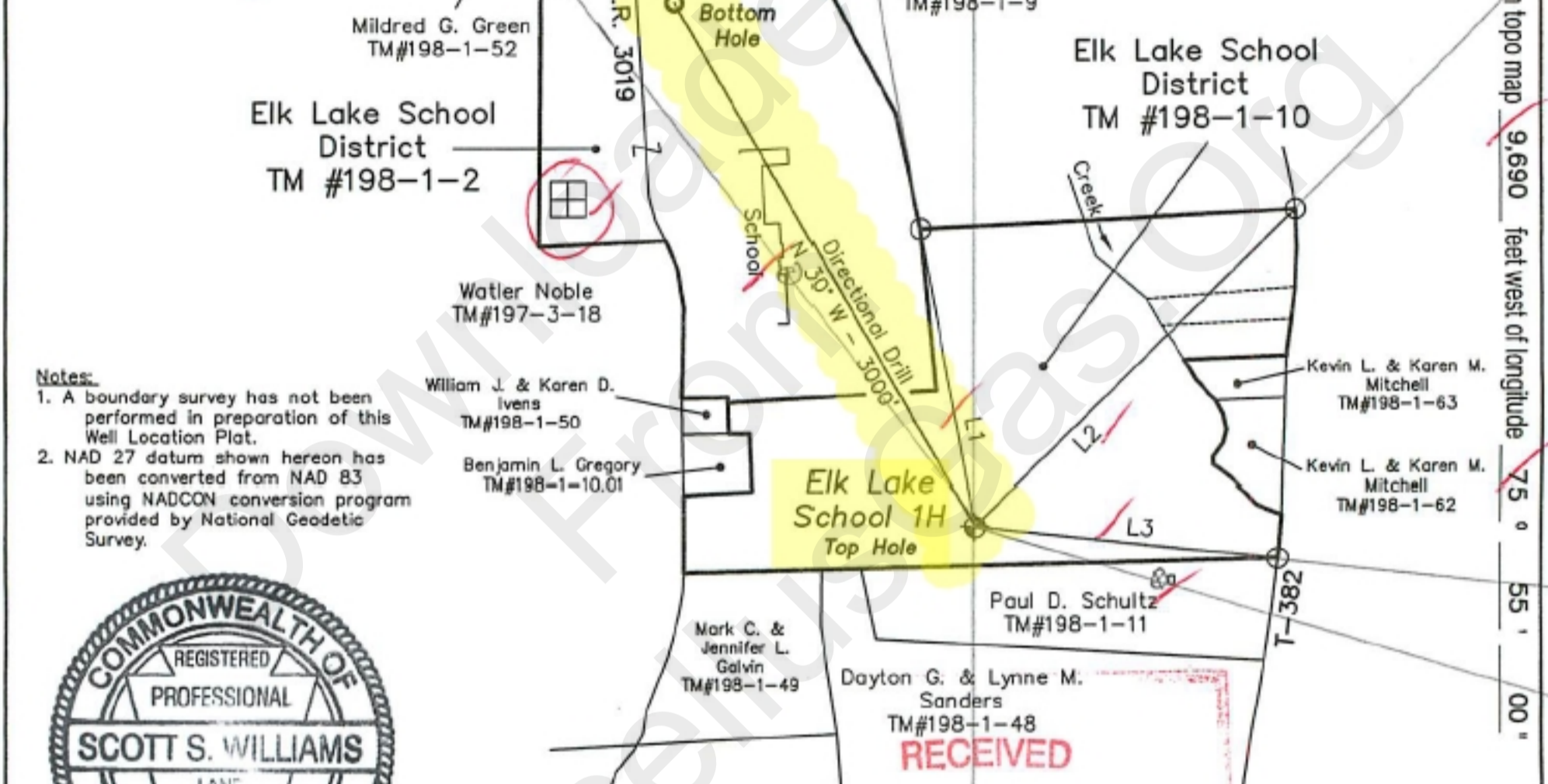
Denotes location of well on topo map.

Well is located on topo map 6,180 feet south of latitude 41 ° 45 ' 00 "

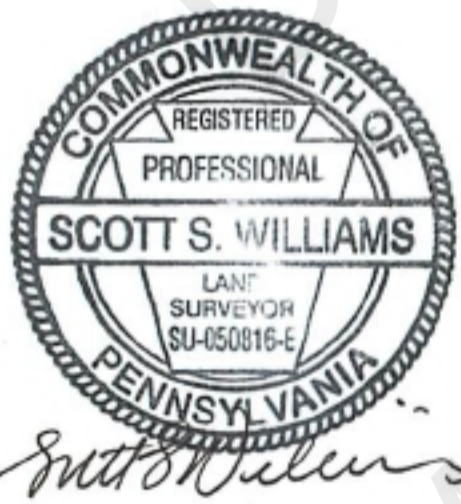
True Latitude: NORTH  
**41 ° 43 ' 58.97 "**  
True Longitude: WEST  
**75 ° 57 ' 07.75 "**  
NAD 27

Location Ties

LINE	BEARING	DISTANCE
L1	S 10°26' E	1497'
L2	S 45°27' E	2237'
L3	N 84°12' E	1516'



- Notes:**
1. A boundary survey has not been performed in preparation of this Well Location Plat.
  2. NAD 27 datum shown hereon has been converted from NAD 83 using NADCON conversion program provided by National Geodetic Survey.



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ENVIRONMENTAL PROTECTION  
NORTHWEST REGIONAL OFFICE  
Top Hole Location NAD 83  
575,839.0 N 2,459,274.7 E

Surveyor or Engineer: Scott S. Williams, PLS Butler Land Surveying, LLC	Phone #: 570-395-3388	Dwg #: Elk Lake School 1H.dwg	Date: August 1, 2008	Scale: 1"=1000'	Tract Acreage: 177 ±
Lat & Long Metadata Method Trimble 5800 GPS Accuracy 2± ft. Datum NAD 27		Elevation Metadata Method Topo Interpolated Accuracy 10± ft. Datum NGVD 29		Survey Date 7/23/08	
Applicant / Well Operator Name Cabot Oil & Gas Corp.		Well (Farm) Name Elk Lake School District		Well # 1H	
Address 900 Lee Street East, Suite 1500, Charleston, WV 25301		County Susquehanna		Municipality Dimock Twp.	
Surface Landowner / Lessor Elk Lake School District		USGS 7½ Quadrangle Map Name Springville, PA		Map Section 0538 2	
Target Formation(s) Marcellus Shale		Angle & Course of Deviation (Drilling) N 30° W - 3000'		Surface Elevation 1340 ft	
Surface Owner or Water Purveyor with a Water Supply within 1000 ft. Elk Lake School Paul D. Schultz		Approximate Course and Distance to Water Supply N 37° W - 1590± S 74° E - 930±		Anticipated Total Depth 7500±VD 11,000 ft MD	
Owner, Lessee, or Operator of Workable Coal Seam		Name of Coal Seam Owned, Leased, or Operated			

Permit Copy

OK  
9A  
8/19/08