



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 18, 2014

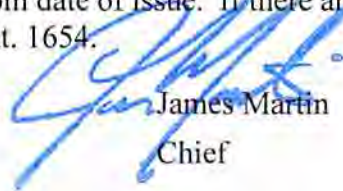
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1501415, issued to BLUE CREEK GAS COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 1
Farm Name: ROGERS, LOWELL
API Well Number: 47-1501415
Permit Type: Plugging
Date Issued: 03/18/2014

4701501415

7012 3050 0000 2996 5885

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

WALLBACK WV 25225

OFFICIAL USE

Postage	\$	\$0.49	0732
Certified Fee		\$3.30	
Return Receipt Fee (Endorsement Required)		\$2.71	
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$6.49	



Sent To Howell Rogers
 Street, Apt. No.,
 or PO Box No.
 City, State, ZIP+4
Wallback - WV. 25225

PS Form 3800, August 2006 See Reverse for Instructions



03/21/2014

1) Date 3/5/14 20
2) Operator's Well No. 1
3) API Well No. 47-15-1415

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil / Gas / Liquid injection / Waste disposal
(If "Gas, Production or Underground storage) Deep / Shallow

5) Location: Elevation 1260 Waterbed Sandy
District Henry 02 County Clay 15 Quadrangle Ivydale 409

6) Well Operator Blue Creek Gas 7) Designated Agent Steve Rubin
Address 1700 Pennsylvania Ave. Address 1700 Pennsylvania Ave.
Charleston, WV. Charleston Wv.

8) Oil and Gas Inspector to be notified Name Eddie Gainer
Address P.O. Box 821
Spencer WV. 25276
9) Plugging Contractor Name Duckworth Well Service
Address P.O. Box 6871
Charleston, WV. 25362

10) Work Order: The work order for the manner of plugging this well is as follows:

Cement 2200' 2100'
Cement 1200' 1100' est. casing cut.
Cement 700' 600'
Cement 100' 0'

Gel between all plugs.
Erect monument with API numbers.
Pull all free pipe.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

[Handwritten Signature]

Date

3/18/14

Received

MAR 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

03/21/2014



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED
DEC - 6 1978
OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Ivydale
Permit No. 47-915
Clay 1415

Company <u>Blue Creek Gas Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1700 Pennsylvania Ave. Chas. WV</u>	Size			
Farm <u>Brown McCorkle</u> Acres <u>2733</u>	20-16			
Location (waters) <u>Sandy</u>	Cond.			
Well No. <u>1</u> Elev <u>1260</u>	13-10"			
District <u>Henry</u> County <u>Clay</u>	9 5/8			
The surface of tract is owned in fee by <u>Lowell Rogers</u>	8 5/8	306	306	cemented to surface
Address <u>Wallback, WV</u>	7			
Mineral rights are owned by <u>Blue Creek Gas Co.</u>	5 1/2			
Address <u>1700 Pennsylvania Ave</u>	4 1/2	219 1/2	219 1/2	40sks
Drilling Commenced <u>8-10-78</u>	3			
Drilling Completed <u>8-15-78</u>	2			
Initial open flow <u>600,000</u> cu. ft. _____ bbls.	Lines Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open <u>8</u> hrs. before test <u>610</u> RP.				

Well treatment details:

Attach copy of cementing record.

Injun 400 sks sand 500 gals 15%

Coal was encountered at None encountered Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Injun 2160-2178 Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand and Shale			0	1000		
Shale			1000	1008		
Sand			1008	1028		
Shale			1028	1070		
Sand Shale			1070	1196		
Shale			1196	1430		
Sand			1430	1570		
Sand Shale			1570	1778		
Shale			1778	1810		
Sand			1810	1850		
Shale			1850	1968		
Sand			1968	2000		
Lime			2000	2152		
Shale			2152	2160		
Injun			2160	2178		
Shale			2178	2206		

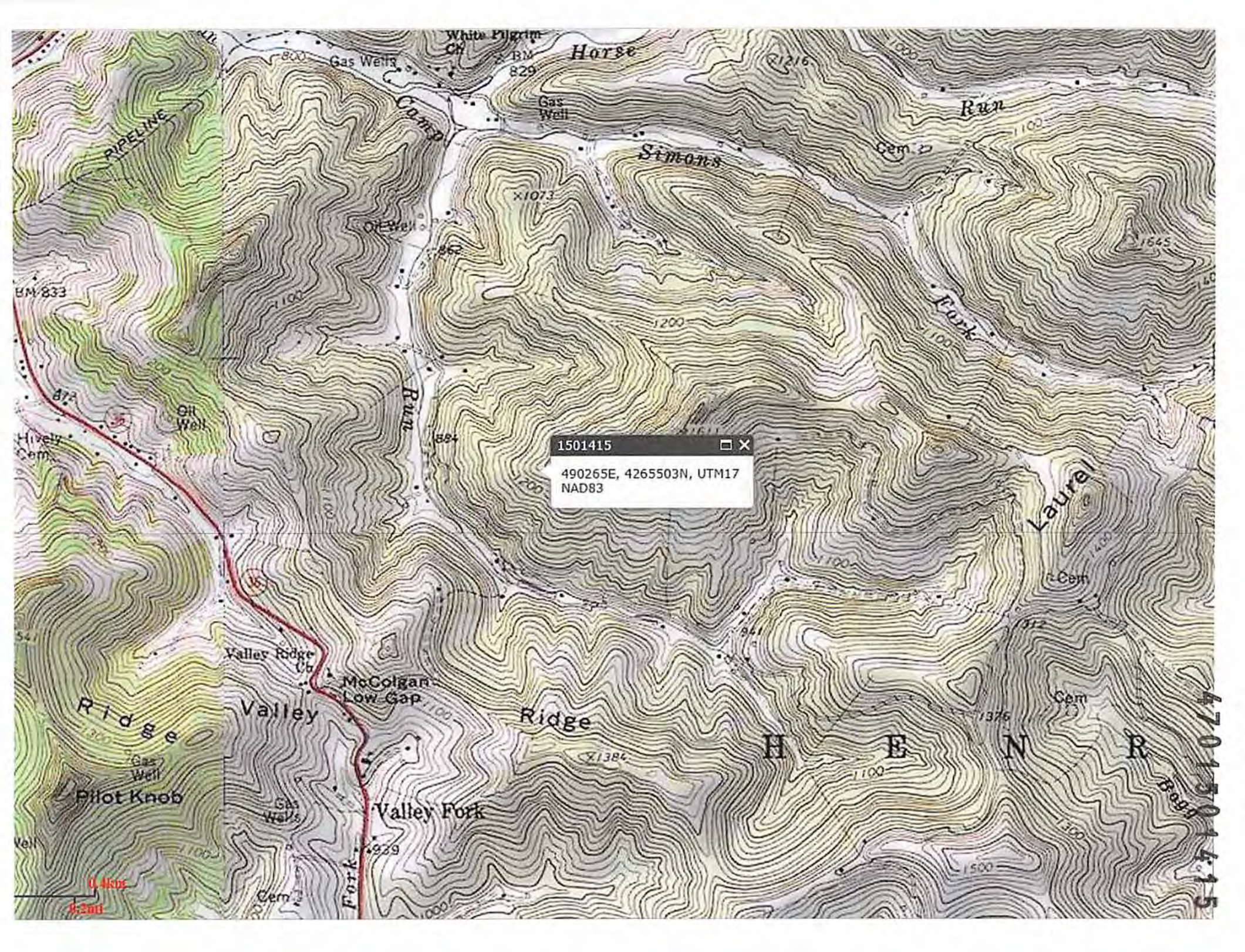
T.D.

Received
MAR 13 2014

Office of Oil and Gas
WV Dept. of Environmental Protection
03/21/2014

* Indicates Electric Log tops in the remarks section.

(over)



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-15-1415 WELL NO.: 1
 FARM NAME: Brown McCorkle
 RESPONSIBLE PARTY NAME: Steve Rubin
 COUNTY: Clay DISTRICT: Henry
 QUADRANGLE: Ivydale
 SURFACE OWNER: Lowell Rogers
 ROYALTY OWNER: Blue Creek Gas
 UTM GPS NORTHING: ~~17564900~~ 65 E
 UTM GPS EASTING: 4265503 ^N _N GPS ELEVATION: 1305

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

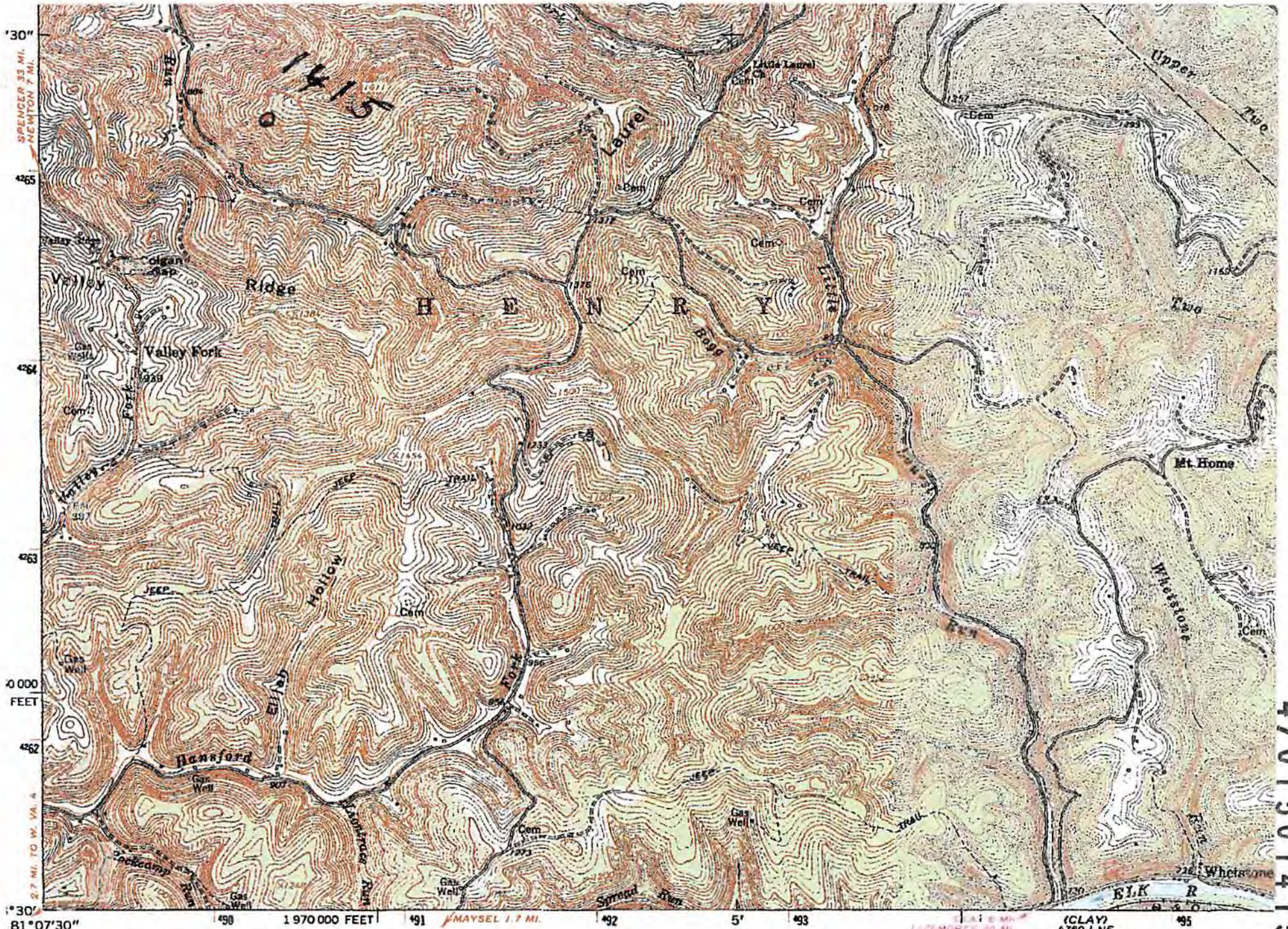
Steve Duckworth contractor
Signature Title

3-10-14
Date

Received

MAR 13 2014

Office of Oil and Gas
Dept. of Environmental Protection



'30"
 425
 424
 423
 0000
 FEET
 422
 '30"
 81°07'30"
 1970000 FEET
 191
 192
 5'
 193
 195

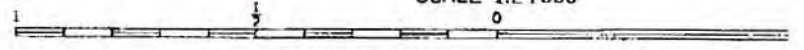
SPRENGER 3.3 MI.
 NEWTON 7 MI.

0.7 MI. TO W. VA.

MAYSEL 1.7 MI.

CLAY 4760
 LIZEMORE'S 20 MI.

(CLAY)
 4760
 NE
 SCALE 1:24000

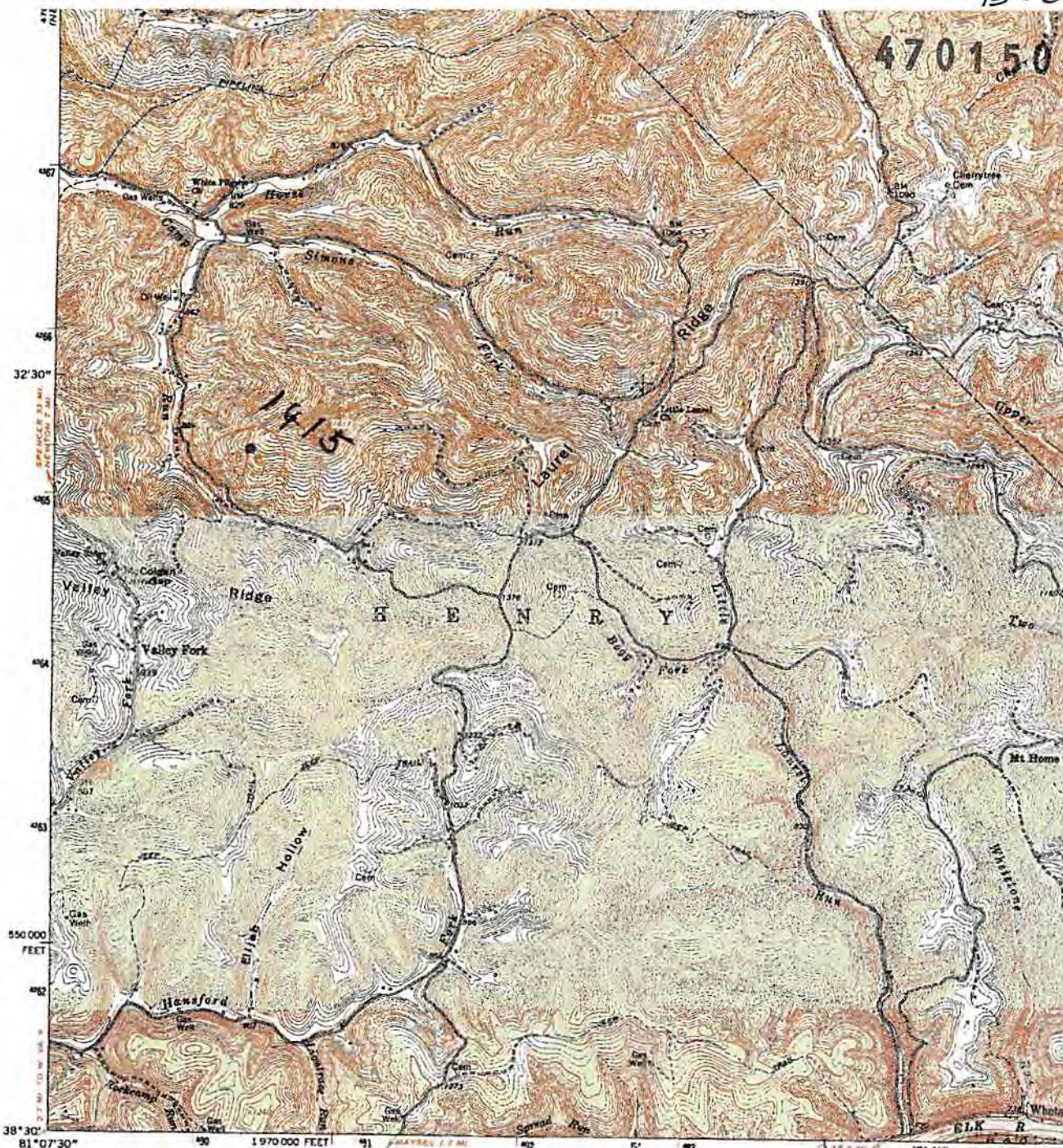


Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS

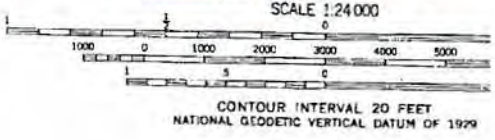
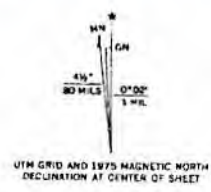
4701501415

15-01415

4701501415



Mapped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1965
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on West Virginia coordinate system, south zone
 1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue
 Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked
 Revisions shown in purple compiled in cooperation with State of West Virginia agencies from aerial photography taken 1975. This information not field checked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE