



**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

April 11, 2014

**WELL WORK PERMIT**

**Re-Work**

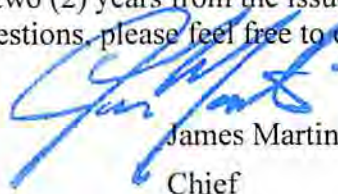
This permit, API Well Number: 47-3302146, issued to DOMINION TRANSMISSION INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: 12594  
Farm Name: POST, EMMA A.  
**API Well Number: 47-3302146**  
**Permit Type: Re-Work**  
Date Issued: 04/11/2014

Promoting a healthy environment.

04/11/2014

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.

3302146 R

CK17900  
65200

WW - 2B  
(Rev. 8/10)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

6 488

1) Well Operator: Dominion Transmission, Inc.      307048      Harrison      Grant      Mount Clare 7.5'  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: 12594      3) Elevation: 1,276'

4) Well Type: (a) Oil \_\_\_\_\_ or Gas X  
(b) If Gas: Production X / Underground Storage \_\_\_\_\_  
Deep \_\_\_\_\_ / Shallow X

5) Proposed Target Formation(s): Balltown      Proposed Target Depth: 3,200'

6) Proposed Total Depth: 3,300 Feet      Formation at Proposed Total Depth: Balltown

7) Approximate fresh water strata depths: 762'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 313', 492', 646'

10) Approximate void depths, (coal, Karst, other): None listed in offset well data or well record

11) Does land contain coal seams tributary to active mine? None

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Re-work - squeeze cement behind 4-1/2" pipe and frac Balltown with sand and water.

13) **CASING AND TUBING PROGRAM**

TYPE      SPECIFICATIONS      FOOTAGE      INTERVALS      CEMENT *4/11/14*

	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor						
Fresh Water	13"			Existing-see well record	Existing-see well record	CTS
Coal						
Intermediate	<i>5 7/16"</i> 8.25"			Existing-see well record	Existing-see well record	CTS
Production	4.5"	J-55		4632'	4632'	<i>400</i> 200 sacks
Tubing					Received	
Liners						

MAR 24 2014

Packers: Kind: \_\_\_\_\_

Sizes: \_\_\_\_\_

Depths Set \_\_\_\_\_

Office of Oil and Gas  
WV Dept. of Environmental Protection

04/11/2014





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
Oil and Gas Division

WELL RECORD

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Mount Clare  
Permit No. 47-033-2146

Company Consolidated Gas Supply Corp.  
Address 415 W. Main St., Clarksburg, WV  
Farm Emma A. Post Acres 63  
Location (waters) Lost Creek  
Well No. 12591 Elev. 1277'  
District Grant County Harrison  
The surface of tract is owned in fee by \_\_\_\_\_  
Mrs. Emma A. Post  
Address Box 112, Lost Creek, WV 26385  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced August 11, 1979  
Drilling Completed August 20, 1979  
Initial open flow 76M cu. ft. \_\_\_\_\_ bbls.  
Final production 373.1M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 4 hrs. before test 11 day 1620#RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>13 3/8"</u>	298	298	To surface
9 5/8			
8 5/8	2158	2158	To surface
7			
5 1/2			
4 1/2	1632	1632	400 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Benson with 90,000# sand, 1000 bbls. of water & 750 gal. 15% HCL.  
Perforations: 1120-1122' with 5 holes & 1135-1138' with 10 holes.  
Well fractured in Balltown with 60,000# sand, 800 bbls. of water & 750 gal. 15% HCL.  
Perforations: 3125'-3126' with 2 holes, 3323-3325' with 6 holes & 3099-3101' with 6 holes.

Coal was encountered at 313', 492' & 646' Feet 2 1/2", 1 1/8" & 36" Inches  
Fresh water 762 Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Benson & Balltown Depth See perforations

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay			0	5		
Shale & Red Rock			5	30		
Sand			30	40		
Red Rock & Shale			40	90		
Sand & Shale			90	105		
Shale, Red Rock & Sand			105	170		
Sand & Shale			170	313		
Coal			313	315		
Sand & Shale			315	492		
Coal			492	496		
Sand & Shale			496	646		
Coal			646	649		
Sand & Shale			649	1330	Water	762' Damp
Shale, Red Rock & Sand			1330	1433		
Shale & Lime			1433	1476		
Big Lime			1476	1537		
Sand & Shale			1537	3885	Oil	2426 Damp
Brown Sand			3885	3905		
Sand & Shale			3905	3950		
Light Brown Sand			3950	3960		
Sand & Shale			3960	4040		
Light Brown Sand			4040	4055		
Sand & Shale			4055	4255		
Brown Sand			4255	4265		

Received

MAR 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

04/11/2014

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			4265	4285	Gas	1691' 16.8M
Brown Sand			4285	4305	Gas	1915' 60.0M
Sand & Shale			4305	4315	Gas	1980' 15.7M
Light Brown Sand			4315	4325	Gas	2553' 10.3M
Sand & Shale			4325	4330	Gas	2776' 9.6M
Brown Sand			4330	4345	Gas	3035' 10.5M
Sand & Shale			4345	4400	Gas	3483' 12.0M
Light Brown Sand			4400	4410	Gas	4249' 8.4M
Dark Brown Sand			4410	4450	Gas	4377' 8.4M
Light Brown Sand			4450	4470	Gas	4507' 111.0M
Sand & Shale			4470	4980	T.D. Gas	4795' 83.0M
KBM 11' above G. L.					Gas	T.D. 76.0M
Gamma Ray Tops						
Gordon Stray			2151			
Gordon						
4th				2240		
4th-A			2257	2312		
5th			2336	2345		
Warren			2410	2431		
Upper Speechley			2787	2820		
Speechley			2992	3020		
Balltown			3098	3119		
Riley			3204	3405		
Benson			4082	4320		
Cedar Creek			4419	4441		
Total Depth			4744	4867		
				4969		

Plugged lower hole from 4980' to 4595' with 6% gel.

Received

MAR 14 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

04/11/2014

Date January 17, 1980

APPROVED Consolidated Gas Supply Corp. Owner

By [Signature] Manager of Prod.

(Title) [Signature]



WW-2A  
(Rev. 6-07)

1). Date: \_\_\_\_\_  
2.) Operator's Well Number 12594  
State County Permit  
3.) API Well No.: 47- 033 - 02146

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:  
(a) Name George & Amy Dawson ✓  
Address RR 3 Box 513  
Lost Creek, WV 26385  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Sam Ward  
Address P.O. Box 2327  
Buckhannon, WV 26201  
Telephone 304-389-7583

5) (a) Coal Operator  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name George & Amy Dawson (Emma A. Post LE)  
Address RR 3 Box 513  
Lost Creek, WV 26385  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR  
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through     on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator Dominion Transmission, Inc.  
By: James D. Blasingame *James D Blasingame* 3/12/14  
Its: Designated Agent and Director of Storage  
Address 445 West Main Street  
Clarksburg, WV 26301  
Telephone 304-669-4850

Subscribed and sworn before me this 12<sup>th</sup> day of March, 2014

Brenda M. Johnson Notary Public  
My Commission Expires March 31, 2020

Received

Oil and Gas Privacy Notice

MAR 24 2014

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov)

04/11/2014

3302146 R

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

For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

7013 1710 0001 2370 3864

Postage	\$ 1.61
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.61

Postmark Here

Sent To  
 Street, Apt. No., or PO Box No. **GEORGE & AMY DAWSON**  
**RR 3 BOX 513**  
 City, State, ZIP+4 **LOST CREEK, WV 26385**  
 PS Form 3800, August 2005 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
**GEORGE & AMY DAWSON**  
**RR 3 BOX 513**  
**LOST CREEK, WV 26385**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*Amy Dawson*  Addressee

B. Received by (Printed Name)  Agent  
*Amy Dawson*  Addressee

C. Date of Delivery  
*3-14-14*

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number  
 (Transfer from service label) **7013 1710 0001 2370 3864**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15-10

Received  
 MAR 24 2014  
 Office of Oil and Gas  
 WV Dept. of Environmental Protection

04/11/2014



33021462

CERTIFIED MAIL™



7013 1710 0001 2370 3864

**SMITH LAND SURVEYING, INC.**  
 P.O. Box 150  
 Glenville, WV 26351

---

**TO:** GEORGE & AMY DANSON  
 RR 3 BOX 513  
 LOST CREEK, WV 26385

Received

MAR 24 2014

Office of Oil and Gas  
 WV Dept. of Environmental Protection



02 1P  
 0003905199  
 MAILED FROM ZIP CODE 26351

UNITED STATES POSTAGE  
 PITNEY BOWES  
 \$ 007.00

04/11/2014



WW-2A1  
(Rev. 1/11)

Operator's Well Number 12594

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Emma A. Post et al	Consolidated Gas Supply Corp.	1/8	979/94

Consolidated Gas Supply Corp aka Dominion Transmission

SEE ATTACHMENT A

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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MAR 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:  
By: Its:

\_\_\_\_\_  
Dominion Transmission, Inc.

\_\_\_\_\_  
James D. Blasingame, Designated Agent and Director of Storage

*James D. Blasingame* 3/11/14

04/11/2014

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Dominion Transmission, Inc. OP Code 307048

Watershed (HUC 10) Tributary of Lost Creek Quadrangle Mount Clare 7.5'

Elevation 1,276' County Harrison District Grant

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_\_\_ No X

Will a pit be used for drill cuttings? Yes X No \_\_\_\_\_

If so, please describe anticipated pit waste: Rock cuttings/drilled solids, drilling and completion fluids

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 60

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_ )

*[Handwritten signature]* 3/12/14

Will closed loop system be used? Air drilling operations - no; Fluid drilling operations (if necessary) - yes

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, foam/soap, fresh water, water based polymer mud

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? Drilling Mud - sodium/calcium/potassium chloride(s), starch, xanthan gum, sodium bicarbonate, caustic soda, biocide

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Primary plan - Leave in pit; Alternate plan - Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Cement or lime, depending on product availability

-Landfill or offsite name/permit number? If necessary to landfill, Meadowfill Landfill: R30-MSWLGP2011-03300128

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature James D. Blasingame 3/12/14 MAR 24 2014

Company Official (Typed Name) James D. Blasingame

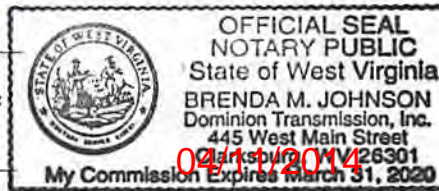
Company Official Title Designated Agent and Director of Storage

Office of Oil and Gas  
WV Dept. of Environmental Protection

Subscribed and sworn before me this 12th day of March, 2014

Brenda M. Johnson Notary Public

My commission expires March 31, 2020





Form WW-9

Operator's Well No. 12594

**LEGEND**

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 1.5 ± Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)

Mulch HAY 2 Tons/acre

**Seed Mixtures**

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40	ORCHARD GRASS		15
ALSIKE CLOVER		5	ALSIKE CLOVER		5
ANNUAL RYE		15			

Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

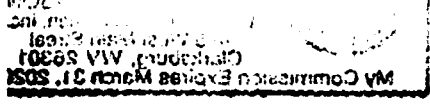
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: \_\_\_\_\_

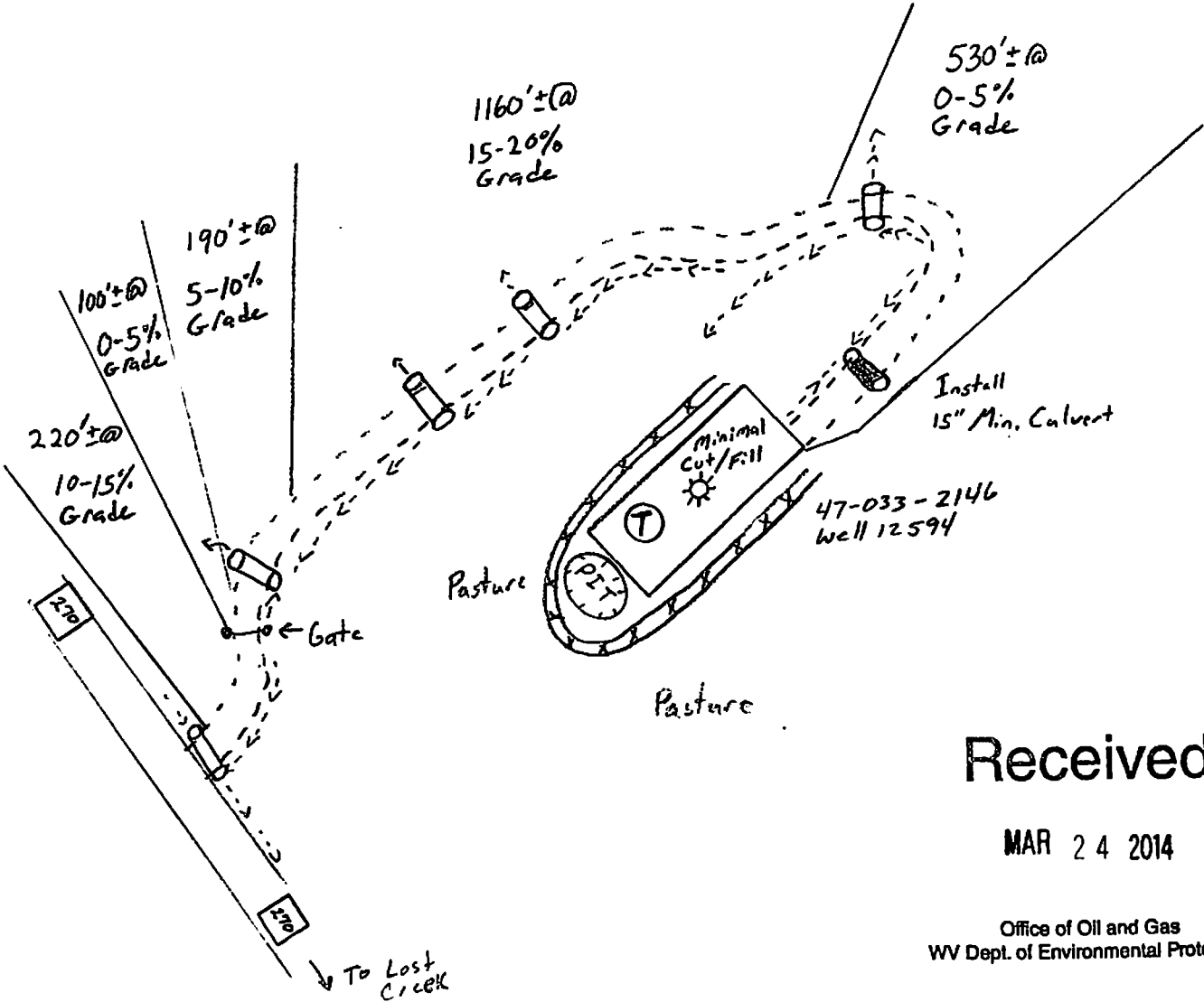
Title: \_\_\_\_\_ Date: \_\_\_\_\_


Field Reviewed? ( ) Yes ( ) No



04/11/2014

# EMMA POST LEASE WELL NO. 12594



 = Existing 15" Culvert  
(Drawing Not To Scale)

## Received

MAR 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

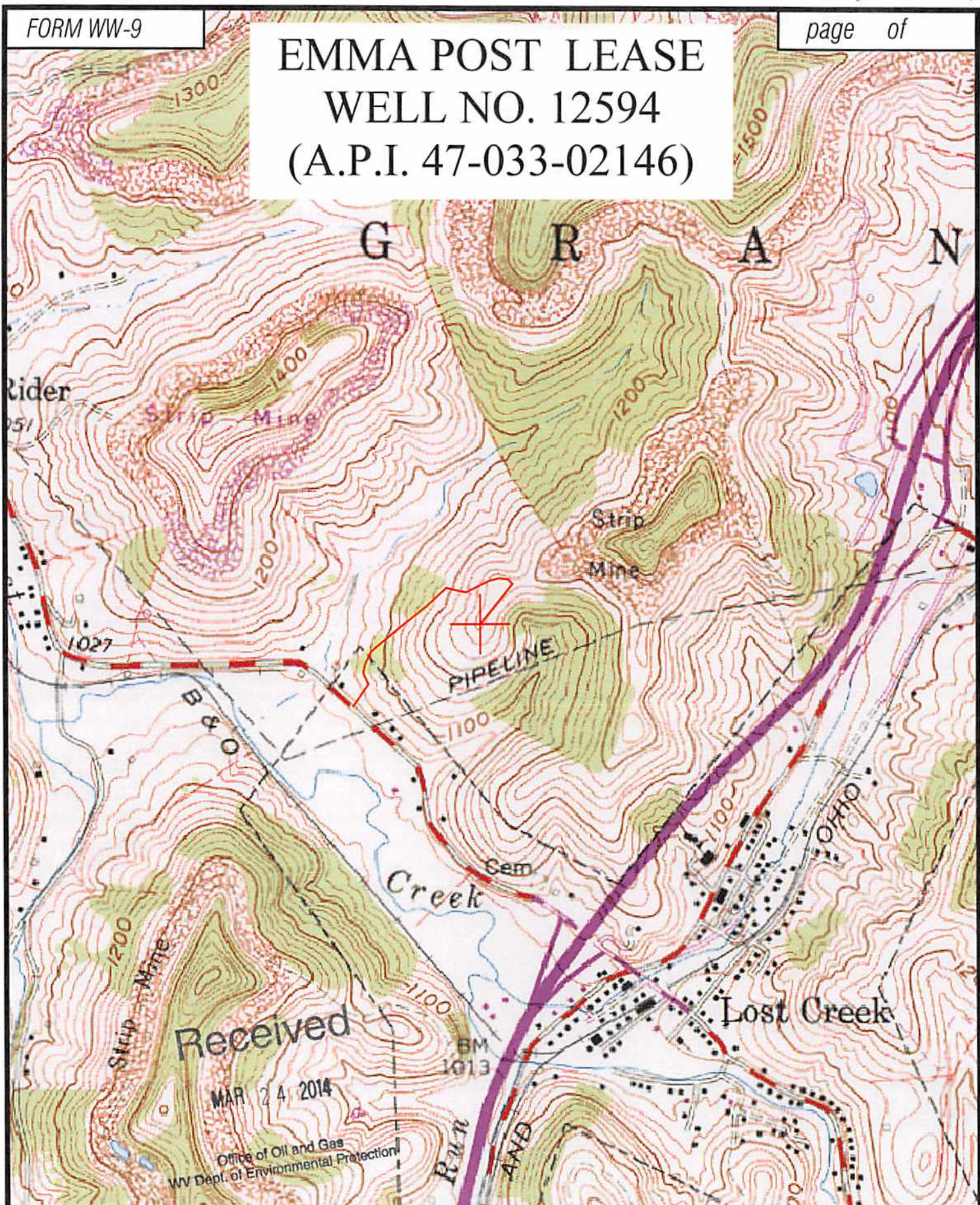
**SLS** SMITH LAND SURVEYING, INC.  
P.O. BOX 150 GLENVILLE, WV. 26351

Phone: (304) 462-5634 Fax: 462-5656 email: sls@slssurveys.com  
DRAWN BY MAS DATE 2/6/14 FILE NO. 8/2014



3302146R

# EMMA POST LEASE WELL NO. 12594 (A.P.I. 47-033-02146)



**Received**  
 MAR 24 2014  
 Office of Oil and Gas  
 WV Dept. of Environmental Protection

Professional Energy Consultants  
 A DIVISION OF SMITH LAND SURVEYORS  
 SURVEYORS PROJECT MGMT. ENVIRONMENTAL  
**SLS**  
 P.O. Box 150  
 Grants, NC 28901  
 (843) 482-8834  
 HONESTY. INTEGRITY. QUALITY.

TOPO SECTIONS OF: MOUNT CLARE 7.5'

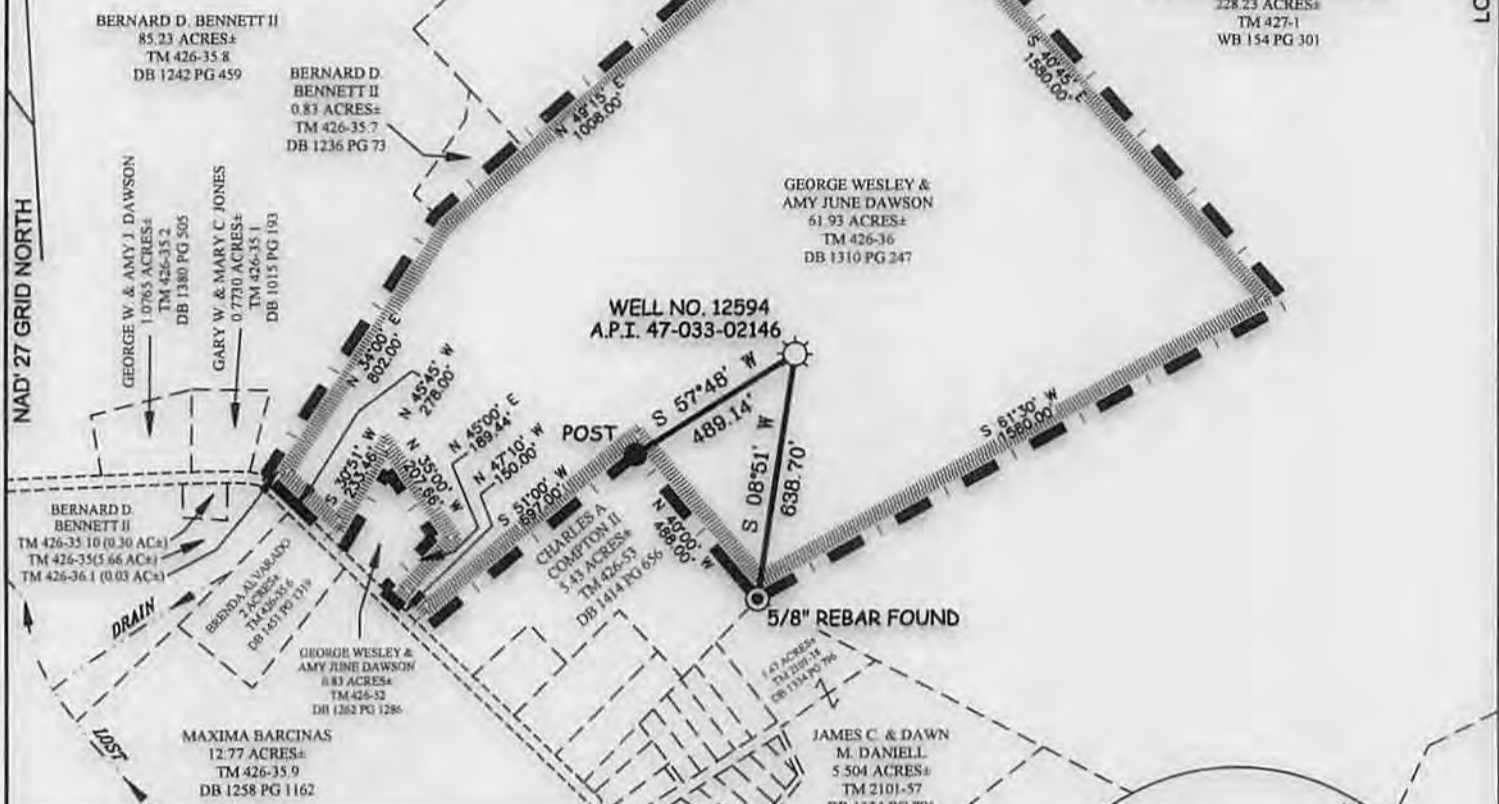
FILE NO. 8133      DATE: 03/05/14      SCALE: 1" = 1,000'

04/11/2014



NOTES ON SURVEY

1. TIES TO CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. HIGHLIGHTED LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 1310 AT PAGE 247.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(MAPPING GRADE).



**EMMA POST LEASE**  
**63 ACRES±**  
**WELL NO. 12594**  
**A.P.I. 47-033-02146**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'27 S.P.C.(FT) N. 244,695.9 E. 1,757,109.7  
 NAD'27 GEO. LAT-(N) 39.188855 LONG-(W) 80.356677  
 NAD'83 UTM (M) N. 4,335,700 E. 555,590



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE FEBRUARY 12, 20 14  
 REVISED \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. WV 12594  
 API WELL NO. 47 - 33 - 02146  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8133P12594  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE) SCALE 1" = 500'

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

WELL TYPE: OIL \_\_\_\_\_ GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 1,276' WATERSHED TRIBUTARY OF LOST CREEK  
 DISTRICT GRANT COUNTY HARRISON QUADRANGLE MOUNT CLARE 7.5'

SURFACE OWNER GEORGE & AMY DAWSON ACREAGE 61.96±  
 ROYALTY OWNER EMMA A. POST ACREAGE 63± LEASE NO. 66611

PROPOSED WORK: DRILL \_\_\_\_\_ CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION  PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BALLTOWN ESTIMATED DEPTH 3,200'

WELL OPERATOR DOMINION TRANSMISSION DESIGNATED AGENT JAMES BLASINGAME  
 ADDRESS P.O. BOX 2450 ADDRESS P.O. BOX 2450  
 CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

COUNTY NAME PERMIT

04/11/2014