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**west virginia** department of environmental protection

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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 22, 2014

**WELL WORK PERMIT**

**Re-Work**

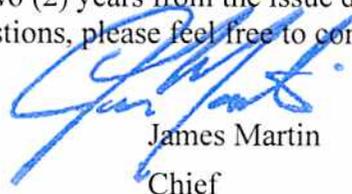
This permit, API Well Number: 47-3300577, issued to DOMINION TRANSMISSION INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, 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: 11388  
Farm Name: SUTTON, CHARLES R. & FRANK  
**API Well Number: 47-3300577**  
**Permit Type: Re-Work**  
Date Issued: 04/22/2014

**Promoting a healthy environment.**

# 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.

WW - 2B  
(Rev. 8/10)

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

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

2) Operator's Well Number: 11388 3) Elevation: 1,246'

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: 2,260  
6) Proposed Total Depth: 2,230 - 2,260 Feet Formation at Proposed Total Depth: Fifth Sand  
7) Approximate fresh water strata depths: 975'  
8) Approximate salt water depths: None

9) Approximate coal seam depths: 162', 265', 505'

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
	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	8.25"			Existing-see well record	Existing-see well record	CTS
Production	4.5"	J-55		2,452'	2,452	100 Sacks
Tubing						
Liners						

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

OK *gwm*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

Rotary  XXXX  
Spudder   
Cable Tools   
Storage

Quadrangle WESTON

WELL RECORD

Permit No. HAR-577

Oil or Gas Well GAS  
(KIND)

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Clarksburg, West Virginia</u>	Size			
Farm <u>Sidney Cookman</u> Acres <u>174</u>	16			Kind of Packer
Location (waters)	13	318	318	Size of
Well No. <u>11388</u> Elev. <u>1240'</u>	10			Depth set
District <u>Grant</u> County <u>Harrison</u>	8 1/4	1926	1926	
The surface of tract is owned in fee by	6 3/8			
Address	5 3/16			
Mineral rights are owned by	4 1/2	2452	2452	Perf. top <u>2328</u>
Address	3			Perf. bottom <u>2336</u>
Drilling commenced <u>7-19-71</u>	2			Perf. top
Drilling completed <u>7-29-71</u>	Liners Used			Perf. bottom
Date Shot <u>Not Shot</u> From To	Attach copy of cementing record. 8" & 13" to surface			
With	CASING CEMENTED <u>SIZE</u> No. Ft. <u>Date</u>			
Open Flow /10ths Water in <u>        </u> Inch	Amount of cement used (bags) <u>4 1/2" with 111 bags</u>			
/10ths Merc. in <u>        </u> Inch	Name of Service Co. <u>Dowell</u>			
Volume <u>67,000 (Natural)</u> Cu. Ft.	COAL WAS ENCOUNTERED AT <u>162 FEET 48 INCHES</u>			
Rock Pressure <u>815</u> lbs. <u>66</u> hrs.	<u>265 FEET 36 INCHES 505 FEET 24 INCHES</u>			
Oil <u>None</u> bbls., 1st 24 hrs.	<u>        FEET          INCHES          FEET          INCHES</u>			
WELL ACIDIZED (DETAILS) <u>No</u>	WELL FRACTURED (DETAILS) <u>8-04-71 with 500 gal. acid, 615 bbl. water, 50,000# sand and 2500 HHP.</u>			
WELL FRACTURED (DETAILS) <u>8-04-71 with 500 gal. acid, 615 bbl. water, 50,000# sand and 2500 HHP.</u>	RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>1,007,000 Cubic Feet</u>			
	ROCK PRESSURE AFTER TREATMENT <u>825#</u> <del>WATERS</del> <u>14 days</u>			
	Fresh Water <u>975 Show</u> Feet <u>        </u> Salt Water <u>None</u> Feet <u>        </u>			
	Producing Sand <u>Bayard</u> Depth <u>2328 - 2336</u>			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & shale			0	162			
Coal			162	166			
Sand & shale			166	265			
Coal			265	268			
Sand & shale			268	505			
Coal			505	507			
Sand & shale			507	960			
3rd Salt			960	1060	water	975	Damp
Sand & shale			1060	1320			
Little Lime			1320	1335			
Big Lime			1335	1425			
Big Injun			1425	1535			
Sand & shale			1535	1720			
Gantz			1720	1740			
Sand & shale			1740	2005			
Gordon			2005	2050			
Sand & shale			2050	2230			
5th Sand			2230	2260	gas	2242.59'	
Sand & shale			2260	4239	gas	Bayard 2338-2336	
Benson			4239	4250	gas	4241	Show
Total Depth				4356'			

Present TD Plugged lower hole back to 2460' with 81 bags cement. 2460'

Received

MAR 24 2014

WW-2A  
(Rev. 6-07)

1). Date: \_\_\_\_\_  
2.) Operator's Well Number 11388  
State County Permit  
3.) API Well No.: 47-033 - 00577

**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 Charles R. Sutton ✓  
Address 801 Worthington Drive  
Bridgeport, WV 26330  
(b) Name Franklin L. Sutton ✓  
Address 113 Cimmaron Road  
Clarksburg, WV 26301  
(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 None  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name N/A  
Address \_\_\_\_\_

Received  
MAR 24 2014

**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)

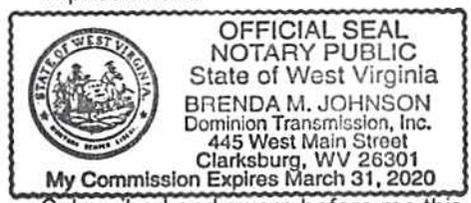
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_ on the above named parties by:

- x Personal Service (Affidavit attached)
- x 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*  
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

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)

WW-2A Surface Waiver

**SURFACE OWNER WAIVER**

County Harrison

Operator  
Operator well number

Dominion Transmission, Inc.  
11388

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**List of Water Testing Laboratories.** The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Franklin L. Suttow  
Signature

Date 3-31-14

Company Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_

FRANKLIN L. SUTTOW

Print Name

RECEIVED \_\_\_\_\_ Date  
Office of Oil and Gas  
Signature \_\_\_\_\_ Date

APR 07 2014  
WV Department of Environmental Protection

3300577

CERTIFIED MAIL™



7013 1710 0001 2370 3925

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

---

**TO:** CHARLES R. SUTTON  
 801 WORTHINGTON DRIVE  
 BRIDGEPORT, WV 26330



Received

MAR 24 2014

Office of Oil and Gas  
 WV Dept. of Environmental Protection

UNITED STATES POSTAGE  
 PITNEY BOWES  
 \$ 007.400  
 02 1P  
 0003905199 MAR 10 2014  
 MAILED FROM ZIP CODE 26351

3300577

**CERTIFIED MAIL™**

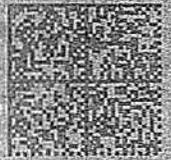


7013 1710 0001 2370 3932

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

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**TO:** FRANKLIN L. SUTTON  
 113 CINMARON ROAD  
 CLARKSBURG, WV 26301



UNITED STATES POSTAGE  
 PITNEY BOWES  
 02 1P \$007.400  
 0003906199 MAR 10 2014  
 MAILED FROM ZIP CODE 26351

Received

MAR 24 2014

Office of Oil and Gas  
 WV Dept. of Environmental Protection

1210

**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:

CHARLES R. SUTTON  
801 WORTHINGTON DRIVE  
BRIDGEPORT, WV 26330

2. Article Number  
(Transfer from service label) **7013 1710 0001 2370 3925**

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

**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**

Postage	\$ 1.40	Postmark Here
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 7.40	

Sent To  CHARLES R. SUTTON

Street, Apt. No., or PO Box No. 801 WORTHINGTON DRIVE

City, State, ZIP+4 BRIDGEPORT, WV 26330

PS Form 3800, August 2006 See Reverse for Instructions

**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**

Postage	\$ 1.40	Postmark Here
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 7.40	

Sent To  FRANKLIN L. SUTTON

Street, Apt. No., or PO Box No. 113 CIMMARON ROAD

City, State, ZIP+4 CLARKSBURG, WV 26301

PS Form 3800, August 2006 See Reverse for Instructions

Received

MAR 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

7-20024

7013 1710 0001 2370 3932

3300577R

WW-2A1  
(Rev. 1/11)

Operator's Well Number 11388

**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
Sidney Cookman	South Penn Oil Co.	1/8	113/18
South Penn Oil Co.	Dominion Transmission	W.I.	204/402

**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

**RECEIVED  
Office of Oil and Gas**

APR 22 2014

**WV Department 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: James D. Blasingame 4/15/14  
 By: Its: Dominion Transmission, Inc.  
James D. Blasingame, Designated Agent and Director of Storage

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 Berlin 7.5'

Elevation 1,246' 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]*  
4/18/14

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.

Received

Company Official Signature *James D. Blasingame*

Company Official (Typed Name) James D. Blasingame

MAR 24 2014

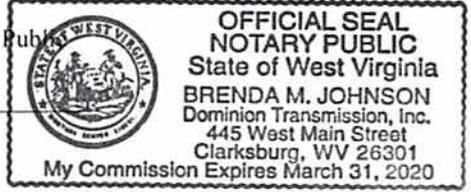
Company Official Title Designated Agent and Director of Storage

Office of Oil and Gas  
WV Dept. of Environmental Protection

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

*Brenda M. Johnson* Notary Public

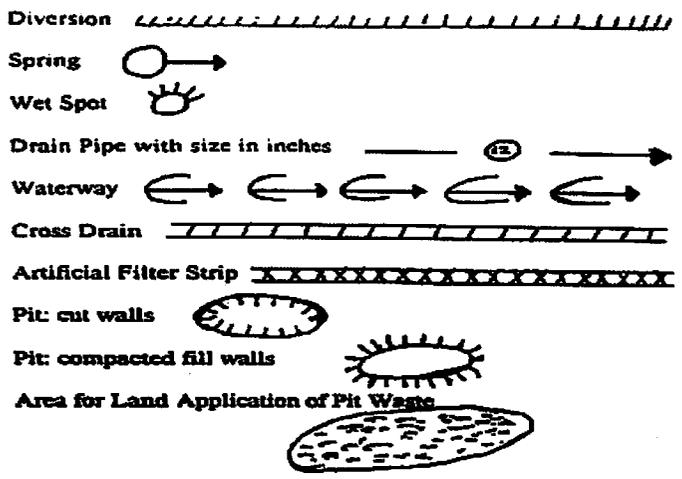
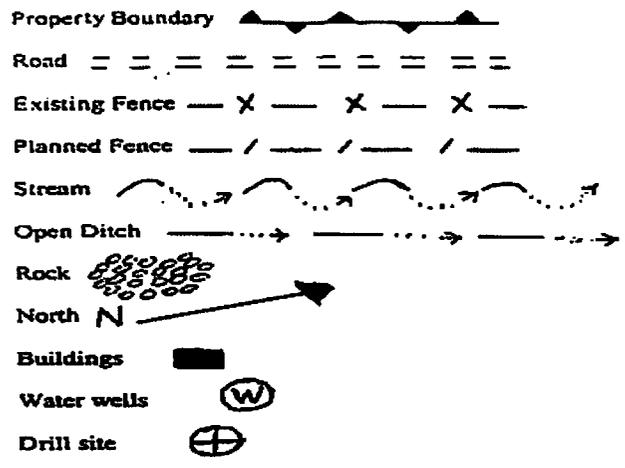
My commission expires March 31, 2020



Form WW-9

Operator's Well No. 11388

**LEGEND**



Proposed Revegetation Treatment: Acres Disturbed 1.25 ± 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.

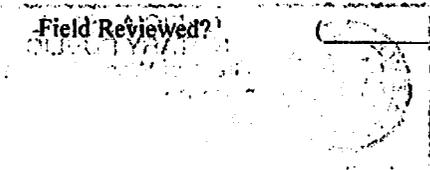
Photocopied section of involved 7.5' topographic sheet.

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

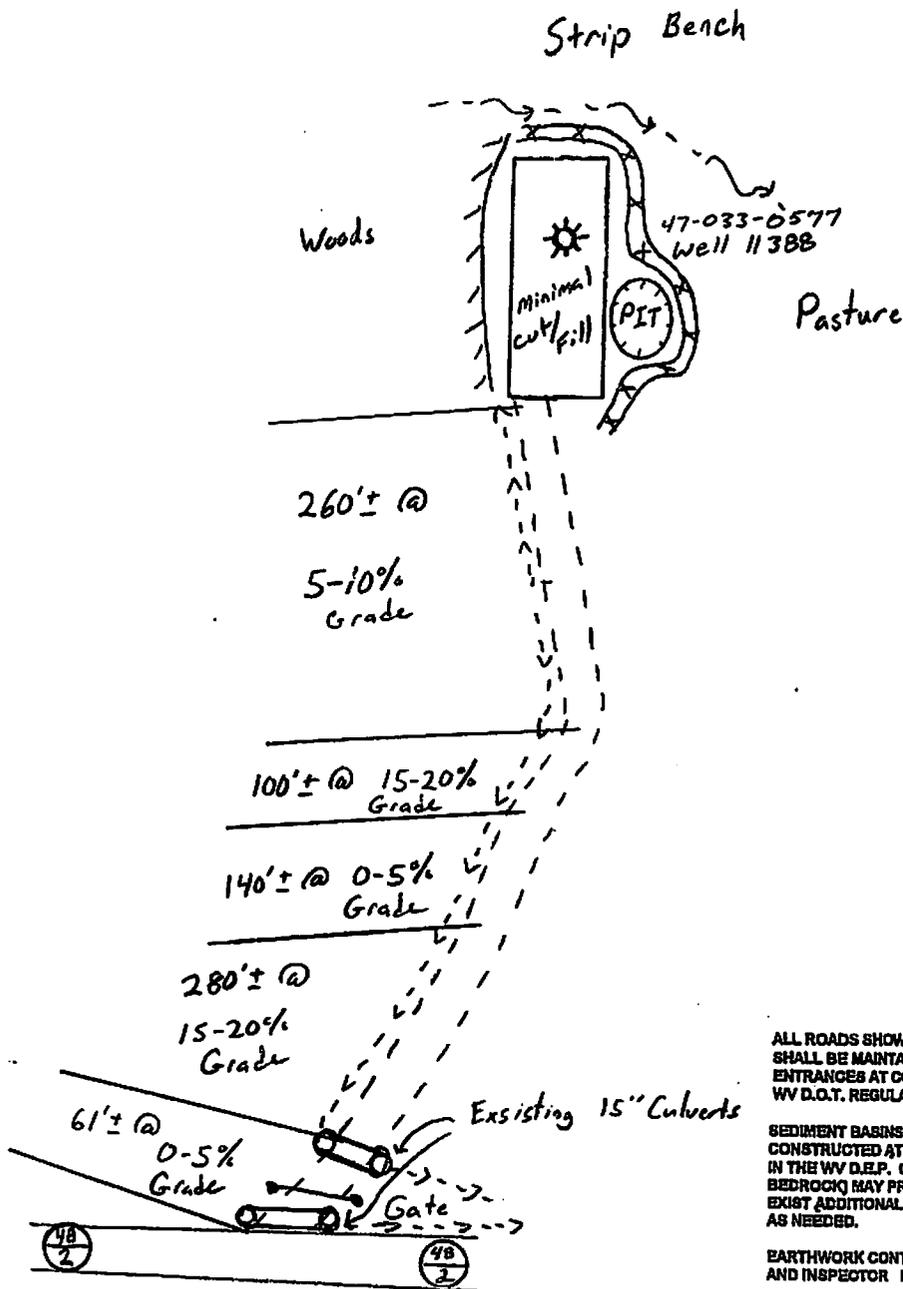
Comments: \_\_\_\_\_

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

Field Reviewed?  Yes  No



# SIDNEY COOKMAN LEASE WELL NO. 11388



## 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.

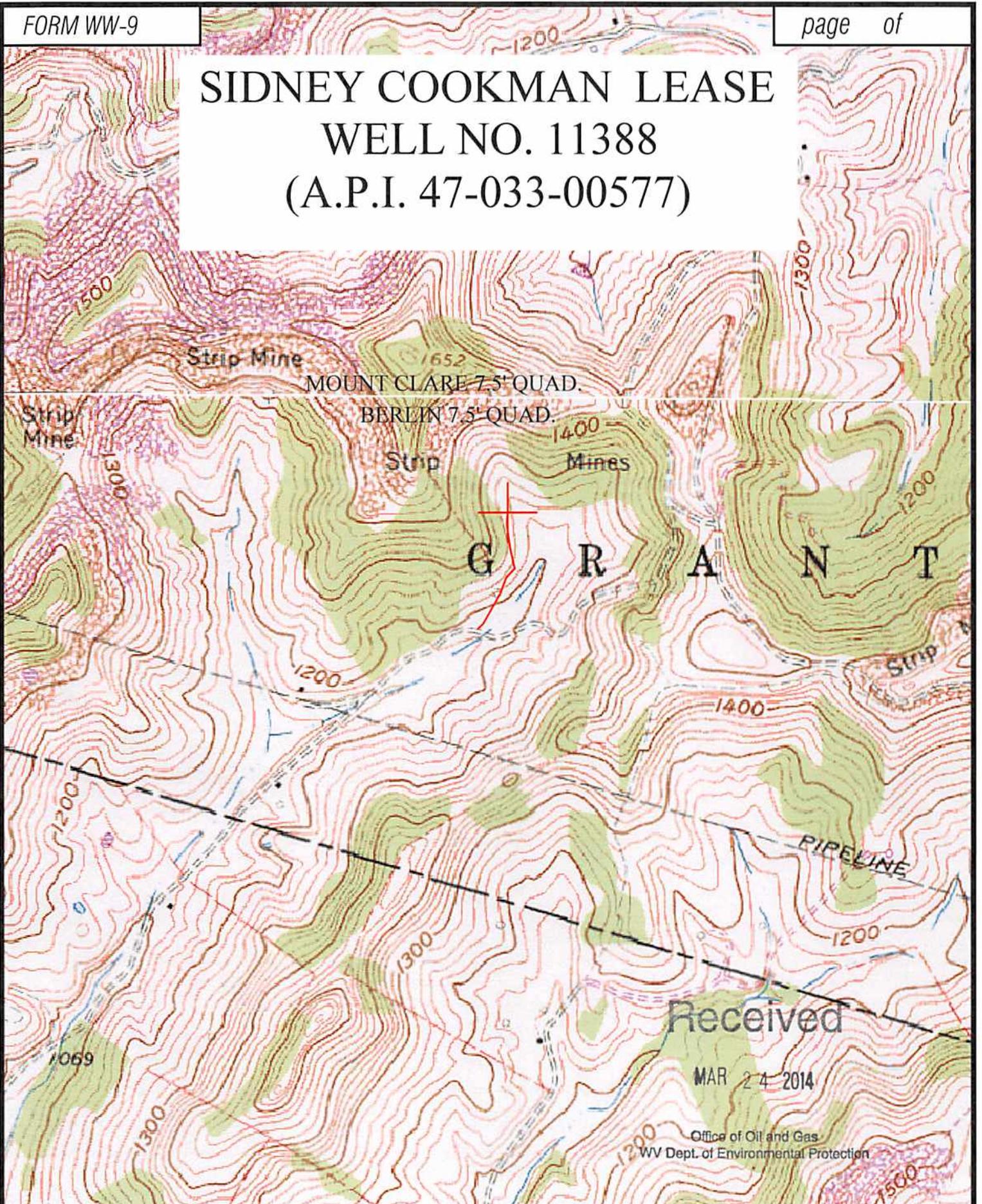
STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

(Drawing Not To Scale)

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

Phone: (304) 462-5634 Fax: 462-5656 email: sls@sls-surveys.com  
DRAWN BY MAS DATE 2/6/14 FILE NO. 8138

# SIDNEY COOKMAN LEASE WELL NO. 11388 (A.P.I. 47-033-00577)



Received

MAR 24 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

Professional Energy Consultants  
A DIVISION OF SMITH LAND SURVEYING

Surveyors  
Project Mgmt  
**SLS**  
Engineers  
Environmental

P.O. Box 150  
Chester, WV 26031  
(304) 442-9834

30003 Ohio Business Road  
Shawnee, OH 43087  
(614) 971-9911

Honesty. Integrity. Quality.

TOPO SECTIONS OF: BERLIN & MOUNT CLARE 7.5'

FILE NO. 8136      DATE: 03/05/14      SCALE: 1"=1,000'

**NOTES ON SURVEY**

1. TIES TO CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. HIGHLIGHTED LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 1234 AT PAGE 635.
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).

NAD'27 GRID NORTH

VERNON D. JR. &  
JOYCE A. COCHRAN  
91.79 ACRES±  
TM 466-71  
DB 1253 PG 240

CHARLES AND  
RALPH SUTTON  
110 ACRES±  
TM 466-56  
DB 1170 PG 396

CHARLES R. & FRANKLIN L. SUTTON  
11.056 ACRES±  
TM 467-30.1  
DB 1234 PG 791

CHARLES R. SUTTON  
39.20 ACRES±  
TM 467-33  
DB 1472 PG 181

LATITUDE 39°07'30"  
JOSEPH M. &  
STEPHANIE J.  
RICHARDS  
9.15 ACRES±  
TM 467-34  
DB 1439 PG 1234

DAVID L. HINKLE  
& LISLE C. LEIGHTON  
C/O LISLE C.  
LEIGHTON  
175.50 ACRES±  
TM 467-52  
DB 1282 PG 389

CHARLES R. SUTTON &  
FRANKLIN L. SUTTON  
105.17 ACRES±  
TM 467-49  
DB 1234 PG 635

WELL NO. 11388  
A.P.I. 47-033-00577

S 85°31' E  
2473.50'

47-033-00575

JAMES A. & MARY J.  
SCHINDLER C/O  
STEPEN CURCIO  
2.08 ACRES±  
TM 467-49.1  
DB 1470 PG 509

JOSHUA A. HOLCOMB  
5.76 ACRES±  
TM 467-51  
DB 1380 PG 954

CATHERINE A.  
MAURO  
5 ACRES±  
TM 487-4.2  
DB 1244 PG 135

5/8" REBAR FOUND

ALLISON J. FARRELL  
5 ACRES±  
TM 487-2.1  
DB 1470 PG 1338

DAVID L. & CELIA  
K. RADCLIFF  
6 ACRES±  
TM 467-50  
DB 1314 PG 1289

JOSHUA A. HOLCOMB  
8.38 ACRES±  
TM 467-51.2  
DB 1380 PG 954

JOSHUA A.  
HOLCOMB  
8.87 ACRES±  
TM 467-51.1  
DB 1380 PG 954

CATHERINE  
A. MAURO  
96.45 ACRES±  
TM 487-4.1  
DB 1244 PG 135

MARK HUTSON  
10.17 ACRES±  
TM 487-2  
DB 1410 PG 156

DONLEY W. & MARK HUTSON  
6.85 ACRES±  
TM 487-10  
DB 1410 PG 164

ALLISON J. FARRELL  
5.12 ACRES±  
TM 487-2.2  
DB 1470 PG 1338

**SIDNEY COOKMAN LEASE**  
174 ACRES±  
WELL NO. 11388  
A.P.I. 47-033-00577

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT) N. 227,859 E. 1,760,168  
NAD'27 GEO. LAT-(N) 39.122508 LONG-(W) 80.345331  
NAD'83 UTM (M) N. 4,330,586 E. 556,608

**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING, INC.



**SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.**

(204) 482-8634

WWW.SLSURVEYS.COM

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 13, 20 14

REVISED \_\_\_\_\_, 20 \_\_\_\_\_

OPERATORS WELL NO. WV 11388

API WELL NO. 47 - 033 - 00577  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8138P11388

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 X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1,246' WATERSHED TRIBUTARY OF LOST CREEK

DISTRICT GRANT COUNTY HARRISON QUADRANGLE BERLIN 7.5'

SURFACE OWNER CHARLES R. AND FRANKLIN L. SUTTON ACREAGE 113.25±

ROYALTY OWNER SIDNEY COOKMAN ACREAGE 174±

PROPOSED WORK: LEASE NO. 8461

DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X 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

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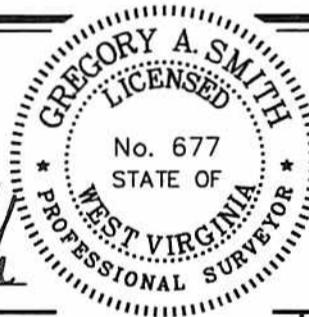
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6.85 ACRES±  
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DB 1410 PG 164

4804 CANC

WELL NO. 11388  
A.P.I. 47-033-00577

**SIDNEY COOKMAN LEASE**  
**174 ACRES±**  
**WELL NO. 11388**  
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(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
NAD'27 S.P.C.(FT) N. 227,859 E. 1,760,168  
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P.S. 677 *Gregory A. Smith*

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API WELL NO. 47-033-00577  
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OFFICE OF OIL AND GAS

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CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

COUNTY NAME PERMIT



P.O. BOX 150, GLENVILLE, WV 26351  
(304) 462-5634 • FAX (304) 462-5656

# LETTER OF TRANSMITTAL

DATE 3/20/14	JOB NO. 8133 - 8138
ATTENTION Gene Smith	
RE: Dominion Transmission Inc. Re-Work Permits	

TO: Office of Oil & Gas  
601 57th Street, SE  
Charleston, WV 25304-2345

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings     Prints     Plans     Samples     Specifications  
 Copy of letter     Change order     \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1			Re-Work Well Permit for Dominion Transmission Well No. 12594
1			Re-Work Well Permit for Dominion Transmission Well No. 11754
1			Re-Work Well Permit for Dominion Transmission Well No. 11938
1			Re-Work Well Permit for Dominion Transmission Well No. 11423
1			Re-Work Well Permit for Dominion Transmission Well No. 11387
1			Re-Work Well Permit for Dominion Transmission Well No. 11388
1			SLS Check #17990 for Permit Fees (6 x \$650.00)

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints  
 For review and comment     \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_ 20\_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS Please note that the inspector inadvertently dated all of his signatures as April 18th instead of March 18th. I just saw it when I was getting ready to mail the permits to you.

Thank you!

**Received**

**MAR 24 2014**

Office of Oil and Gas  
WV Dept. of Environmental Protection

COPY TO SLS Files

SIGNED: Deanna McVicker

If enclosures are not as noted, kindly notify us at once.

WW - 2B  
(Rev. 8/10)

*JOD*

*CK 17900  
6500*

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

*6 245*

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

2) Operator's Well Number: 11388      3) Elevation: 1,246'

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: 975'  
8) Approximate salt water depths: None

9) Approximate coal seam depths: 162', 265', 505'

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**

*[Signature]* *4/18/14*

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	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	8.25"			Existing-see well record	Existing-see well record	CTS
Production	4.5"	J-55		2,452'	2,452	200 Sacks
Tubing						
Liners						

**Received**

**MAR 21 2014**

Packers: Kind: \_\_\_\_\_  
          Sizes: \_\_\_\_\_  
          Depths Set \_\_\_\_\_

WW-2A1  
(Rev. 1/11)

Operator's Well Number 11388

*VOID*

**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
Sidney Cookman	South Penn Oil Co.	1/8	118/18
South Penn Oil Co.	Dominion Transmission	W.I.	

**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

Received

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:

*James D. Blasingame* 3/12/14  
 \_\_\_\_\_  
 Dominion Transmission, Inc.  
 \_\_\_\_\_  
 James D. Blasingame, Designated Agent and Director of Storage