



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 22, 2014

WELL WORK PERMIT

Re-Work

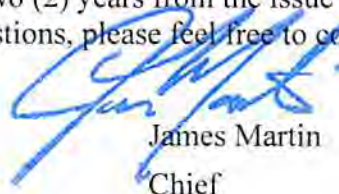
This permit, API Well Number: 47-3300577, issued to DOMINION TRANSMISSION INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, 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

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

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
Oil or Gas Well.....GAS
(KIND)

Quadrangle WESTON
Permit No. HAR-577

WELL RECORD

Company Consolidated Gas Supply Corporation
Address Clarksburg, West Virginia
Farm Sidney Cookman Acres 174
Location (waters) _____
Well No. 11388 Elev. 1240'
District Grant County Harrison
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 7-19-71
Drilling completed 7-29-71
Date Shot Not Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 67,000 (Natural) Cu. Ft.
Rock Pressure 815 lbs. 66 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) 8-04-71 with 500 gal. acid, 615 bbl. water, 50,000# sand and 2500 HHP.
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,007,000 Cubic Feet
ROCK PRESSURE AFTER TREATMENT 825# ~~WATERS~~ 14 days
Fresh Water 975 Show Feet _____ Salt Water None Feet _____
Producing Sand Bayard Depth 2328 - 2336

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	318	318	
10			Size of
8 1/4	1926	1926	
6 3/8			Depth set
5 3/16			
4 1/2	2452	2452	
3			Perf. top <u>2328</u>
2			Perf. bottom <u>2336</u>
Liners Used			Perf. top _____ Perf. bottom _____

Attach copy of cementing record. 8" & 13" to surface
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Dat _____
Amount of cement used (bags) 4 1/2" with 111 bags
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT 162 FEET 48 INCHES
265 FEET 36 INCHES 505 FEET 24 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

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'			

04/25/2014
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)

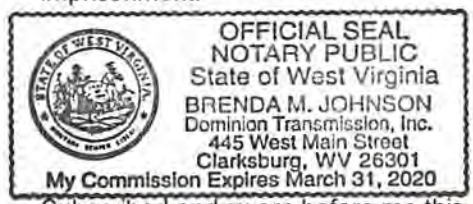
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- 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
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 12th day of March, 2014

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

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

Office of Oil and Gas
WV Dept. of Environmental Protection
04/25/2014

Received

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 57th 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 _____

WV Department of Environmental Protection
04/25/2014

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
 PITTNEY BOWEN
 \$ 007.00
 02 1P
 0003905199 MAR 10 2014
 MAILED FROM ZIP CODE 26351

04/25/2014

3300577

CERTIFIED MAIL™



7013 1710 0001 2370 3932

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

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



02 1P \$007.25
 0003906199 MAR 10 10 44
 MAILED FROM ZIP CODE 26351

UNITED STATES POSTAGE
 PITNEY BOWES

Received

MAR 24 2014

Office of Oil and Gas
 WV Dept. of Environmental Protection

04/25/2014

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**

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
Charles R. Sutton

B. Received by (Printed Name) C. Date of Delivery
Charles R. Sutton

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

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

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

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 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:

FRANKLIN L. SUTTON
113 CIMMARON ROAD
CLARKSBURG, WV 26301

2. Article Number
(Transfer from service label) **7013 1710 0001 2370 3932**

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
Franklin L. Sutton

B. Received by (Printed Name) C. Date of Delivery
Franklin L. Sutton 3-11-14

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

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

7-2004-4

7013 1710 0001 2370 3925

7013 1710 0001 2370 3932

Received

MAR 24 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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	113/1B
South Penn Oil Co.	Dominion Transmission	W/1	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

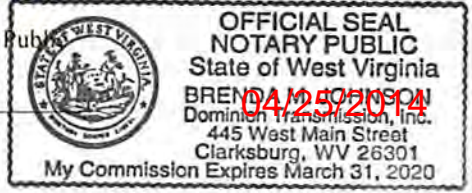
Company Official Title Designated Agent and Director of Storage

Office of Oil and Gas
WV Dept. of Environmental Protection

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

Brenda M. Johnson Notary Public

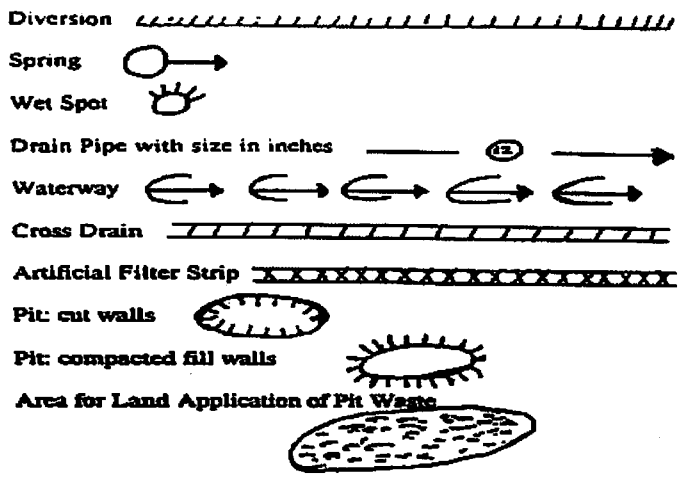
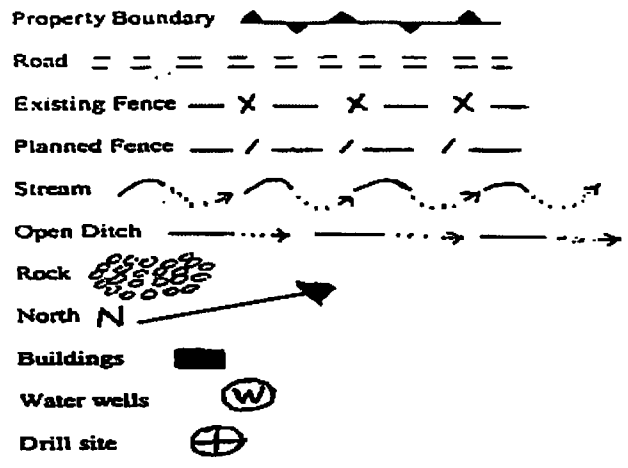
My commission expires March 31, 2020



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: _____

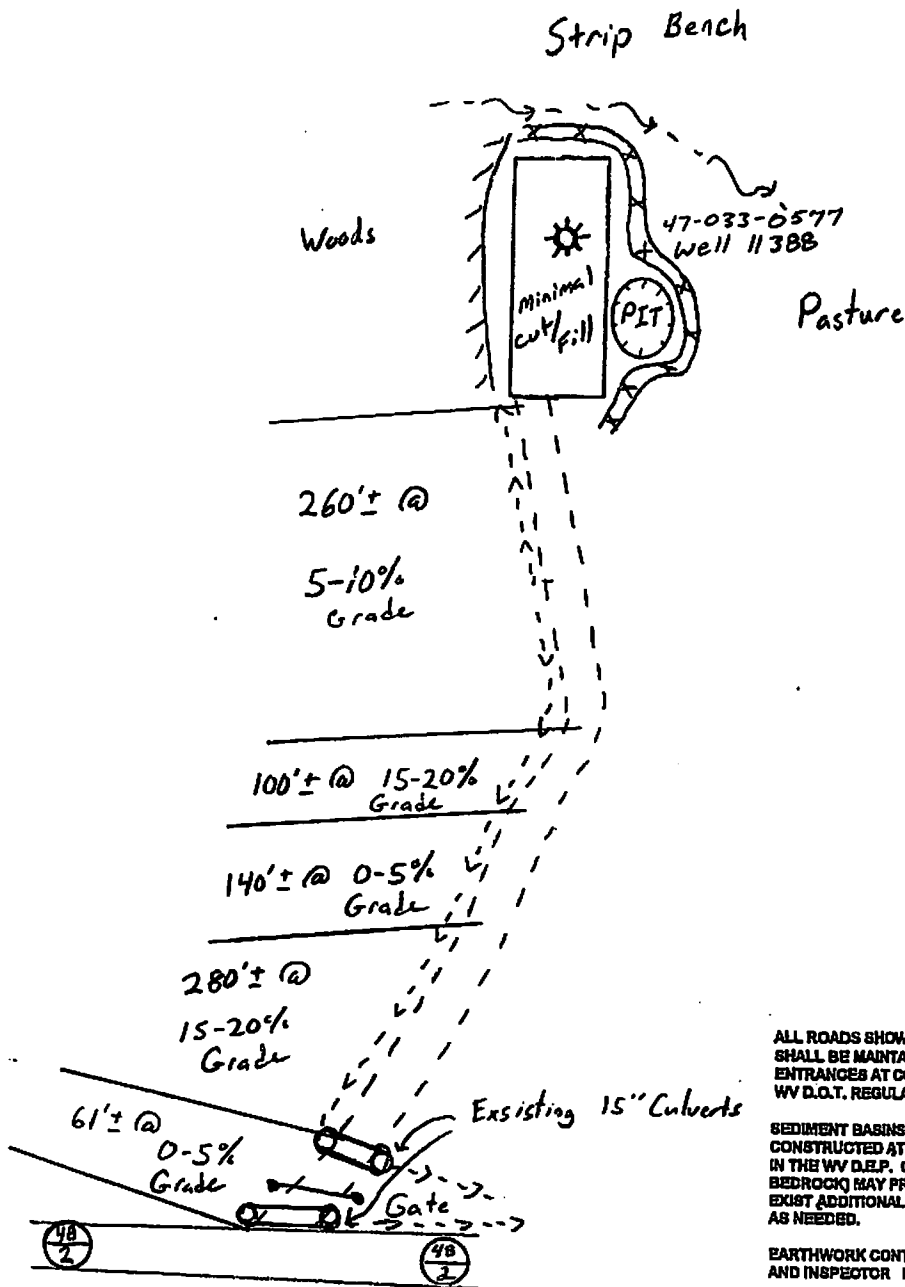
Comments: _____

Title: _____ Date: _____

Field Reviewed? Yes No

04/25/2014

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.

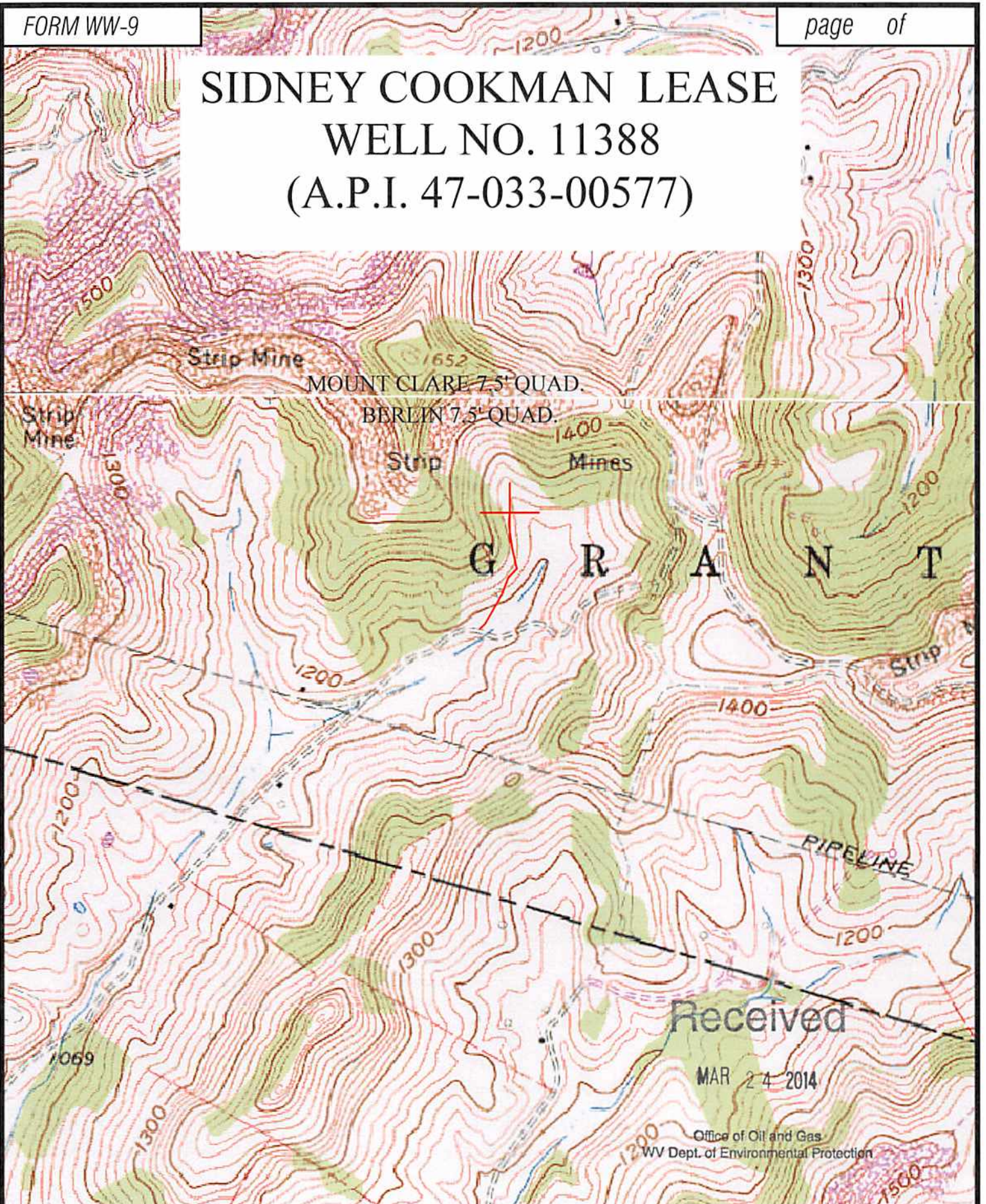
STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

(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 04/25/2014

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
Casselsville, IN 46033
(317) 821-9834

30001 Olive Bottom Road
Shelbyville, IN 46177
(317) 871-8911

Honesty. Integrity. Quality.

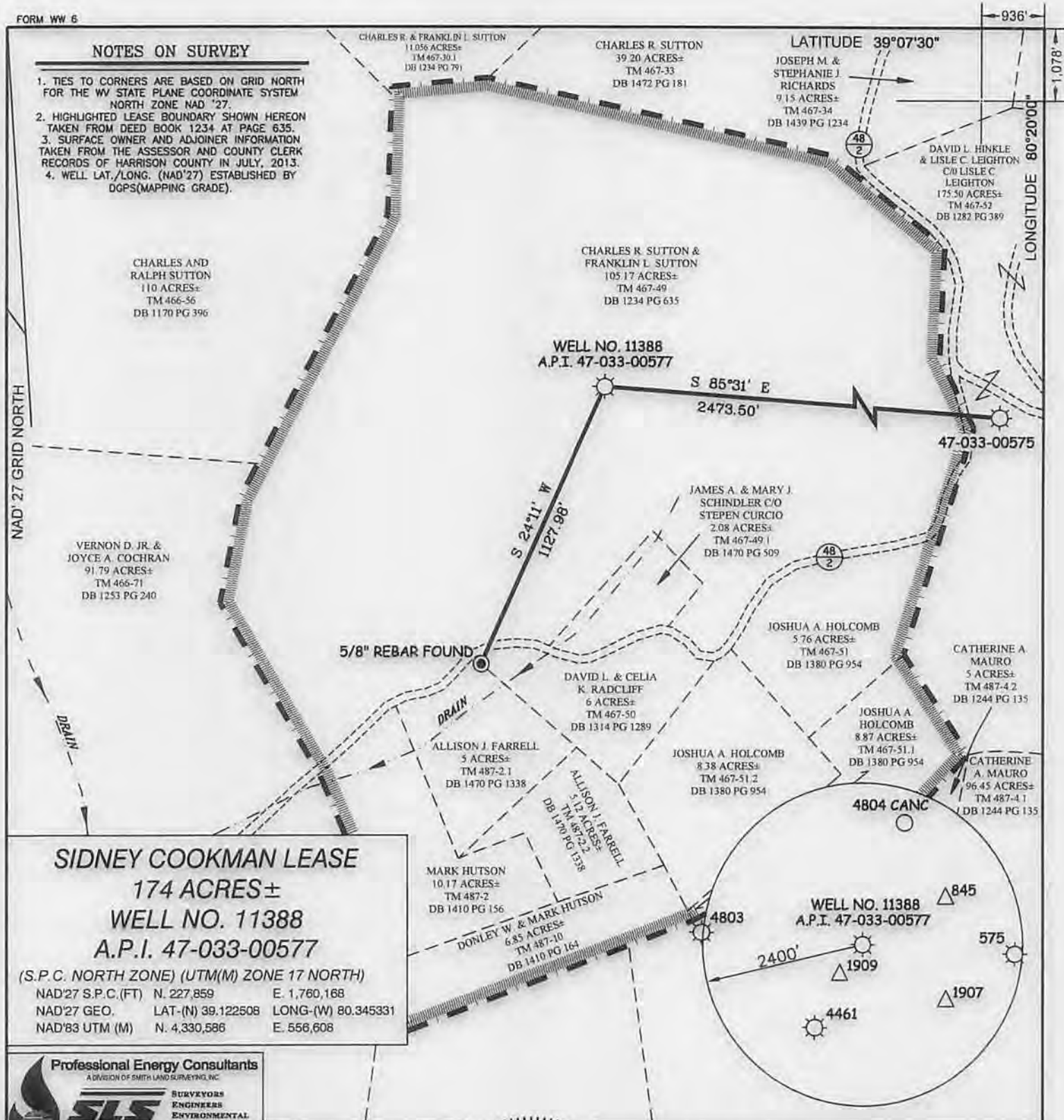
TOPO SECTIONS OF: BERLIN & MOUNT CLARE 7.5'

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

04/25/2014

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).



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



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. *Gregory A. Smith*
 677



(+) 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 LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW

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: 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

04/25/2014

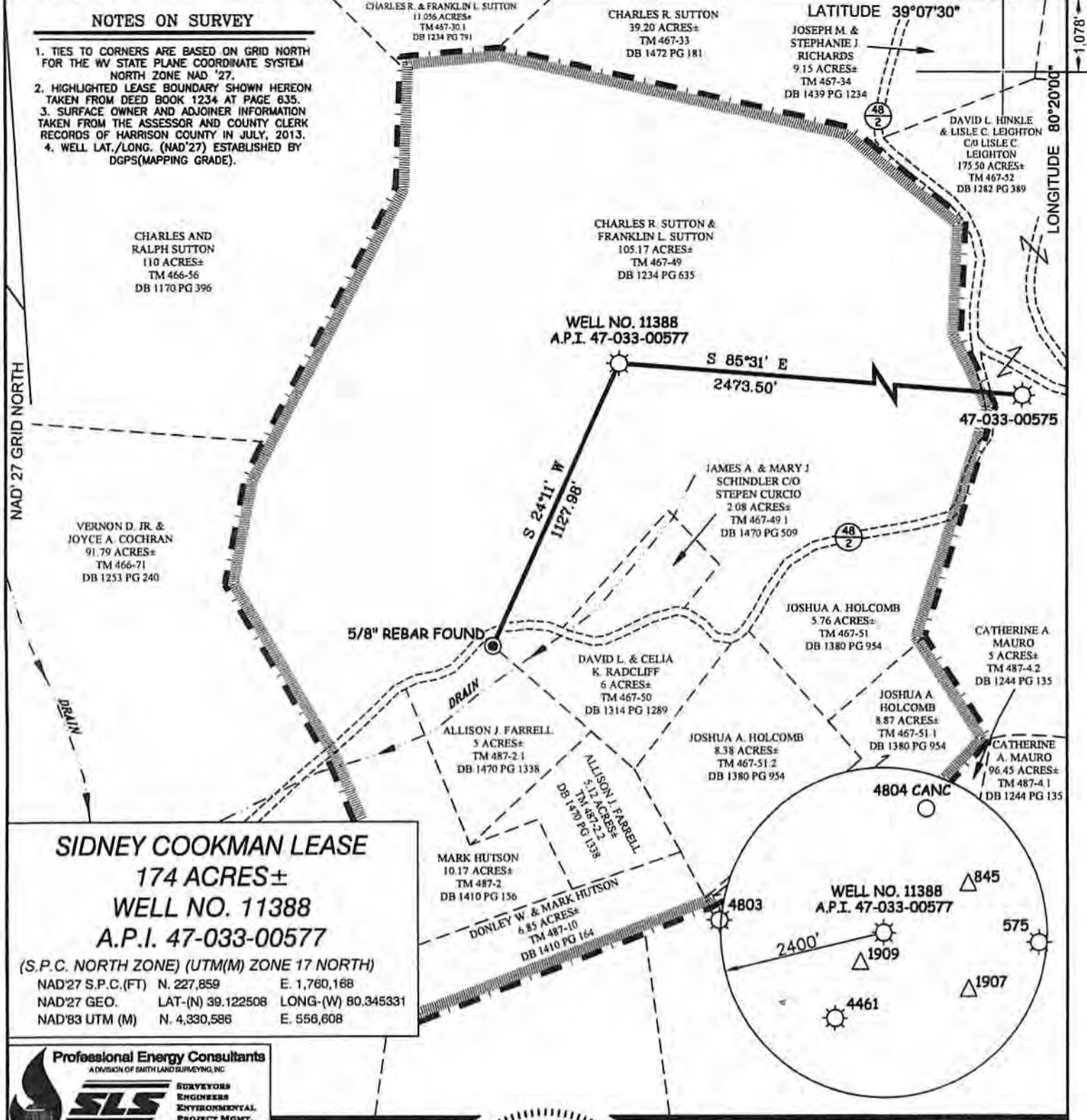
COUNTY NAME PERMIT

NOTES ON SURVEY

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4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(MAPPING GRADE).

NAD'27 GRID NORTH

936'
1,078'
LONGITUDE 80°20'00"



SIDNEY COOKMAN LEASE
174 ACRES±
WELL NO. 11388
A.P.I. 47-033-00577
 (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
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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'

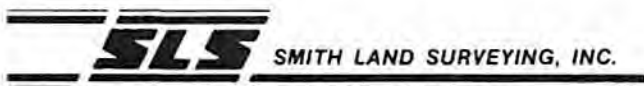
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 ADDRESS P.O. BOX 2450 ADDRESS P.O. BOX 2450
 CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

COUNTY NAME PERMIT

04/25/2014



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.

04/25/2014

WW - 2B
(Rev. 8/10)

JOID

*CK 17900
65000*

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

u 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