



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 28, 2014

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-3300784, 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: 11754
Farm Name: SHOCK, VELMA L.
API Well Number: 47-3300784
Permit Type: Re-Work
Date Issued: 04/28/2014

Promoting a healthy environment.

05/02/2014

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.

3300744R
CK 17900
65000

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: 11754 3) Elevation: 1,223'

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

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: None listed in offset well data or well record
8) Approximate salt water depths: 1,505'

9) Approximate coal seam depths: 360', 390', 952'

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 | | 4,419 | 4,419 | 200 Sacks |
| Tubing | | | | | | |
| Liners | | | | | | |

[Handwritten signature]
4/18/14

Received

Packers: Kind: _____
Sizes: _____
Depths Set _____

MAR 24 2014



11754
Div. 3
Kennedy

3300784R

RECEIVED

JAN 2 1974

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Weston

Permit No. HAR-784

| | | | | |
|--|-------------------|------------------|--------------|-------------------------------|
| Company <u>Consolidated Gas Supply Corp.</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>Clarksburg, WV</u> | | | | |
| Farm <u>Maxton - Boylen</u> Acres <u>182</u> | Size | | | |
| Location (waters) <u>Kinney Run/Hackers Ck.</u> | 20-16 | | | |
| Well No. <u>11754</u> Elev. <u>1217</u> | Cond. | | | |
| District <u>Grant</u> County <u>Harrison</u> | 13-XX" | 329 | 329 | To Surface |
| The surface of tract is owned in fee by _____ | 9 5/8 | | | |
| <u>Jack Shock</u> | 8 5/8 | 1983 | 1983 | 875 SKS |
| Address <u>McWhorter, WV</u> | 7 | | | |
| Mineral rights are owned by <u>J. B. Davisson</u> | 5 1/2 | | | |
| Address <u>Jane Lew, WV</u> | 4 1/2 | 4419 | 4419 | 360 SKS |
| Drilling Commenced <u>2-11-74</u> | 3 | | | |
| Drilling Completed <u>2-16-74</u> | 2 | | | |
| Initial open flow _____ cu. ft. _____ bbls. | Liners Used | | | |
| Final production <u>147M</u> cu. ft. per day _____ bbls. | | | | |
| Well open <u>15</u> hrs. before test <u>950#</u> RP. | | | | |

Well treatment details:

Attach copy of cementing record.

Fractured with 570 bbls. water, 36,000# sand, 300 gal. 15% acid.

Perf. 4275-81, 18 holes.

Fractured with 670 bbls. water, 33,000# sand, 700 gal. 15% acid.

Perf. 3580-82, 3601-04, 3198-3202, 18 holes.

Coal was encountered at 360, 390, 952 Feet 60, 60, 36 Inches
Fresh water _____ Feet Salt Water 1505 Feet
Producing Sand Benson Depth 4275-81

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|-------|--------------|----------|-------------|-------------------|-----------|
| Clay & Soil | | | 0 | 10 | | |
| Sand & Shale | | | 10 | 290 | | |
| Red Rock | | | 290 | 305 | | |
| Sand & Shale | | | 305 | 360 | | |
| Coal & Shale | | | 360 | 365 | | |
| Sand & Shale | | | 365 | 390 | | |
| Coal & Shale | | | 390 | 395 | | |
| Sand & Shale | | | 395 | 952 | | |
| Coal | | | 952 | 955 | | |
| Sand & Shale | | | 955 | 1175 | | |
| Maxton | | | 1175 | 1200 | | |
| Sand & Shale | | | 1200 | 1340 | | |
| Little Lime | | | 1340 | 1355 | | |
| Sand & Shale | | | 1355 | 1385 | | |
| Big Lime | | | 1385 | 1425 | | |
| Big Injun | | | 1425 | 1500 | | |
| Sand & Shale | | | 1500 | 1506 | | |
| Big Injun | | | 1506 | 1565 | | |
| Sand & Shale | | | 1565 | 1740 | | |
| Gantz | | | 1740 | 1770 | | |
| Gantz "A" | | | 1785 | 1805 | | |
| Sand & Shale | | | 1805 | 1855 | | |
| 50' | | | 1855 | 1895 | | |
| Sand & Shale | | | 1895 | 1960 | | |

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Office of Oil and Gas

Gas 1415

Salt water 1505

Gas 1509

05/02/2014

Gas 1790

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|---------------------|-------|--------------|----------|-------------|-------------------|---------|
| Sand | | | 1960 | 1980 | | |
| Shale | | | 1980 | 2000 | Gas | 1981 |
| Sand | | | 2000 | 2030 | | |
| Sand & Shale | | | 2030 | 2050 | | |
| Sand | | | 2050 | 2100 | | |
| Sand & Shale | | | 2100 | 2120 | | |
| Sand | | | 2120 | 2210 | | |
| Sand & Shale | | | 2210 | 2277 | | |
| 5th Sand | | | 2277 | 2292 | | |
| Sand & Shale | | | 2292 | 2930 | | |
| Sand | | | 2930 | 2940 | | |
| Sand & Shale | | | 2940 | 3170 | | |
| Balltown | | | 3170 | 3185 | | |
| Sand & Shale | | | 3185 | 4267 | | |
| Benson | | | 4267 | 4290 | | |
| Sand & Shale | | | 4290 | | Gas | 4301 |
| Total Depth | | | | 4430 | | |
| <u>Electric Log</u> | | | | | | |
| L. Lime | | | 1339 | 1355 | | |
| B. Lime | | | 1385 | 1442 | | |
| Big Injun | | | 1442 | 1566 | | |
| Gants | | | 1742 | 1767 | | |
| 50' | | | 1830 | 1915 | | |
| 30' | | | 1952 | 1970 | | |
| Gordon | | | 2008 | 2108 | | |
| 4th Sand | | | 2122 | 2190 | | |
| 5th Sand | | | 2282 | 2298 | | |
| Balltown | | | 3073 | 3220 | | |
| Bradford | | | 3550 | 3666 | | |
| Riley | | | 4036 | 4193 | | |
| Benson | | | 4265 | 4282 | | |
| Total Depth | | | | 4421 | | |

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MAR 24 2014

Office of the
 W.V. Dept. of Environmental Protection

05/02/2014

Date December 31, 19 74APPROVED Consolidated Gas Supply Corp., OwnerBy [Signature] Mgr. of Prod.
(Title)

WW-2A
(Rev. 6-07)

1.) Date: _____
2.) Operator's Well Number 11754
State _____ County _____ Permit _____
3.) API Well No.: 47- 033 - 00784

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 Velma L. Shock RR 1 Box 22 Jane Lew, WV 26378
(b) Name _____ Address _____
(c) Name _____ Address _____
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 _____
6) Inspector Sam Ward Address P.O. Box 2327 Buckhannon, WV 26201 Telephone 304-389-7583

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 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 12th 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

MAR 24 2014
Office of Oil and Gas
WV Dept. of Environmental Protection
05/02/2014

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RECEIVED MAR 14 2014

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Harrison Operator Dominion Transmission, Inc.
Operator well number 11754

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.

Velma L. Shook
Signature

Date 3-13-2014 Company Name _____
By _____
Its _____

VELMA L. SHOOK

Print Name

Received _____
Date _____

Signature MAR 24 2014 Date _____

3300784R

WW-2A1
(Rev. 1/11)

Operator's Well Number 11754

**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 |
|--|---|---|--|
| H.A. Boylen et al | Hope Natural Gas Company | 1/8 | 783/387 |
| Hope Natural Gas Company merged with Supply Corporation by Agreement dated 11-16-71 Consolidated Gas Transmission Corporation by effective 1-1-88, Consolidated Gas Transmission Corporation became Dominion Transmission, Inc. dated 5-10-2000 filed in Harrison County | New York State Natural Gas Company on recorded in Book 996 at Page 672. Consolidated Assignment dated 3-1-84 recorded in Book 1136 Corporation is now CNG Transmission Corporation. effective 4-11-2000. Amended Certificate Deed Book 68 Page 362. | 4-1-65 and formed Gas Supply Corporation at Page 250. By As a result of a merger, of Authority with the | Consolidated Gas changed its name to corporate name change CNG Transmission State of West Virginia |

**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:

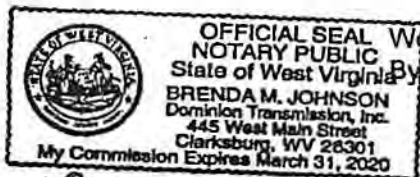
- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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APR 28 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.



Brenda M. Johnson April 23, 2014

James D. Blasingame 4/23/14
 Dominion Transmission, Inc.
 James D. Blasingame, Designated Agent and Director of Storage

05/02/2014

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 McKinney Run Quadrangle Berlin 7.5'

Elevation 1,223' 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 _____)
- [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.

Company Official Signature James D. Blasingame 3/12/14

Company Official (Typed Name) James D. Blasingame

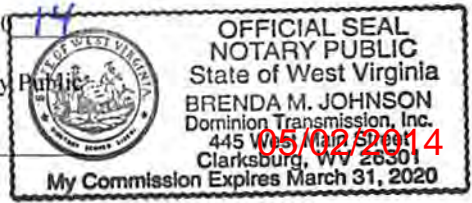
Company Official Title Designated Agent and Director of Storage

Office of Oil and Gas
WV Dept. of Environmental Protection

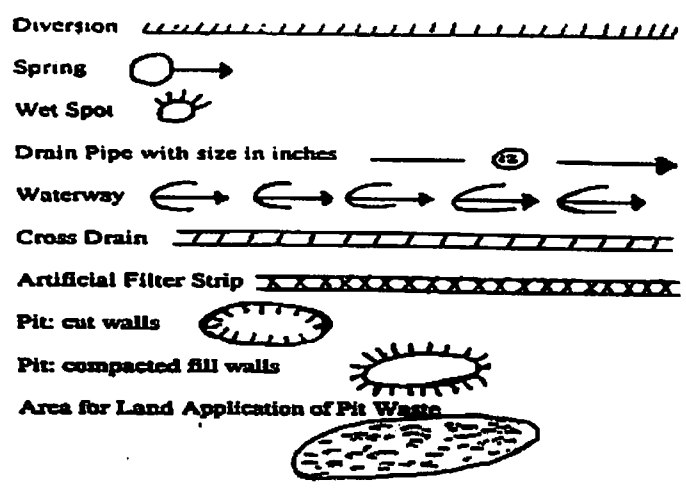
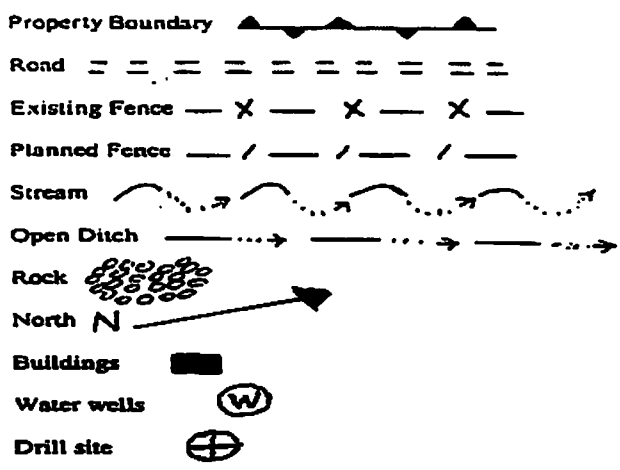
Subscribed and sworn before me this 12th day of March, 2014

Brenda M. Johnson Notary Public

My commission expires March 31, 2020



LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.75 ± 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.

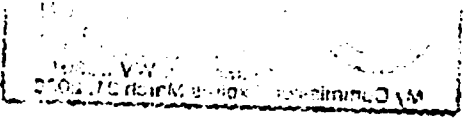
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

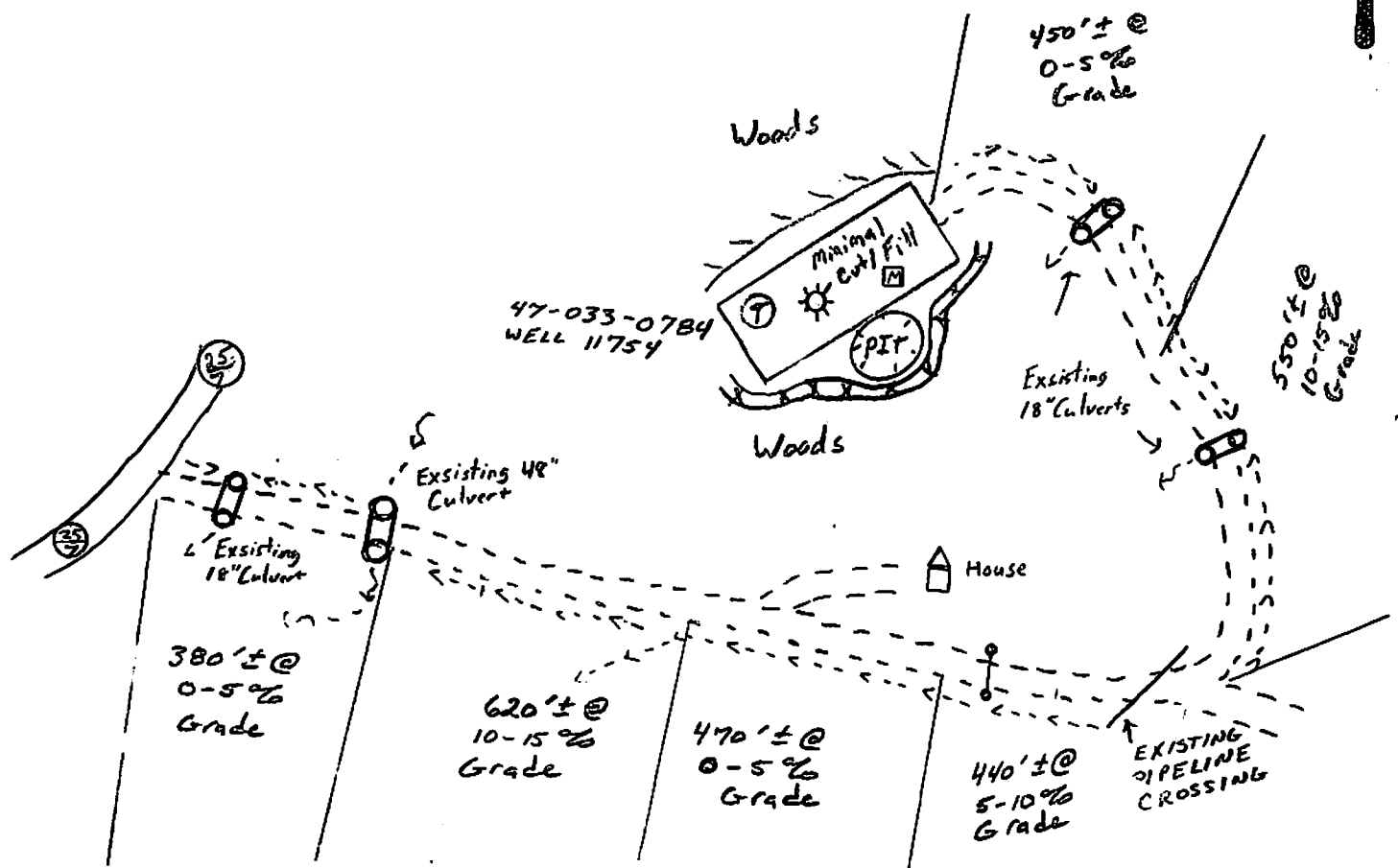
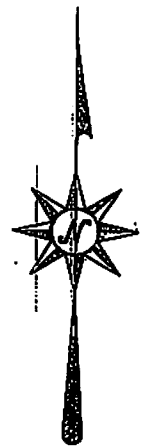
Title: _____ Date: _____

Field Reviewed? () Yes () No



05/02/2014

H.A. BOYLEN LEASE WELL NO. 11754



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.

Received

MAR 24 2014

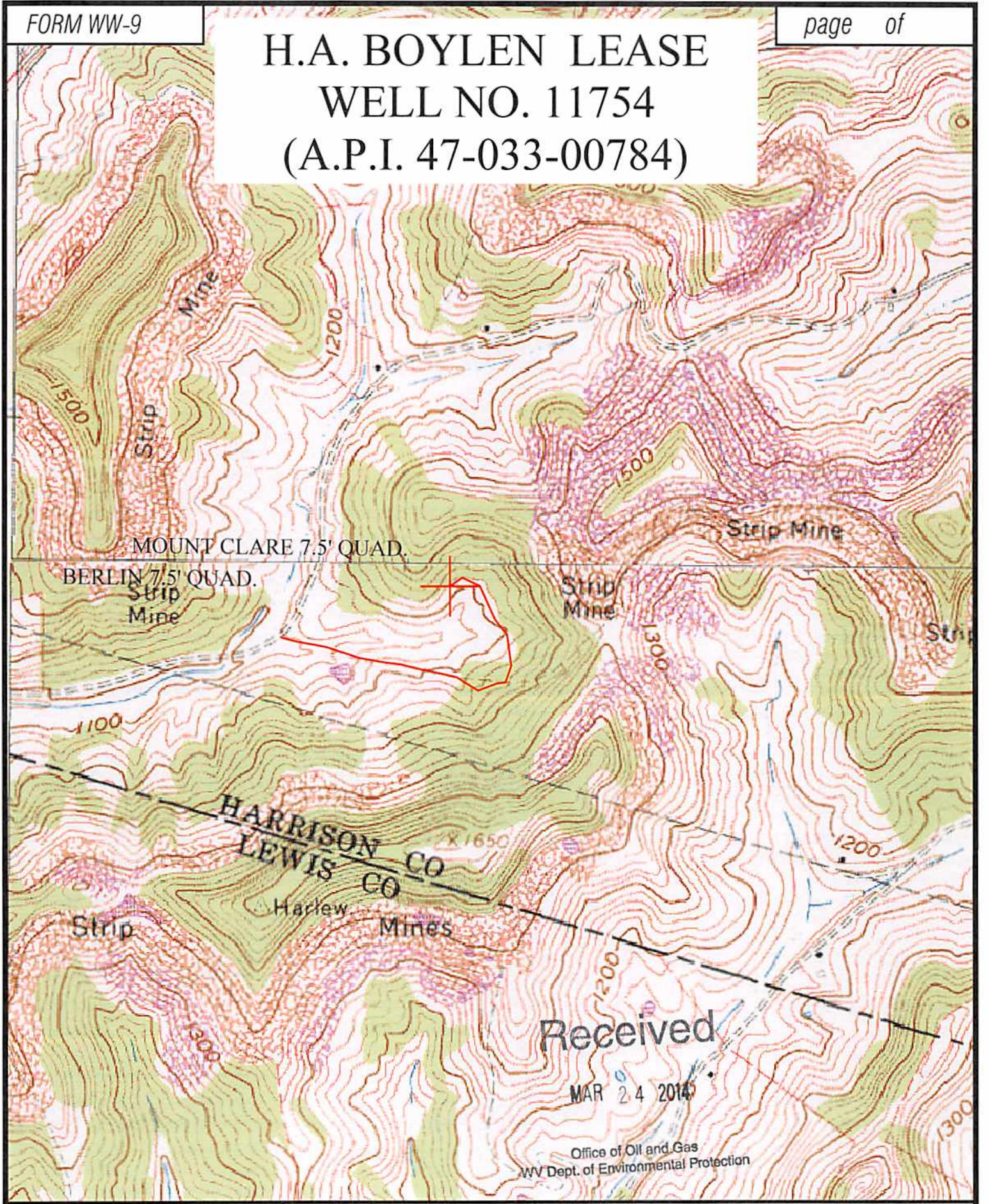
Office of Oil and Gas
WV Dept. of Environmental Protection

(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@slssurveys.com
DRAWN BY MAS DATE 2/6/14 FILE NO. 08702/2014

H.A. BOYLEN LEASE WELL NO. 11754 (A.P.I. 47-033-00784)



Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL.

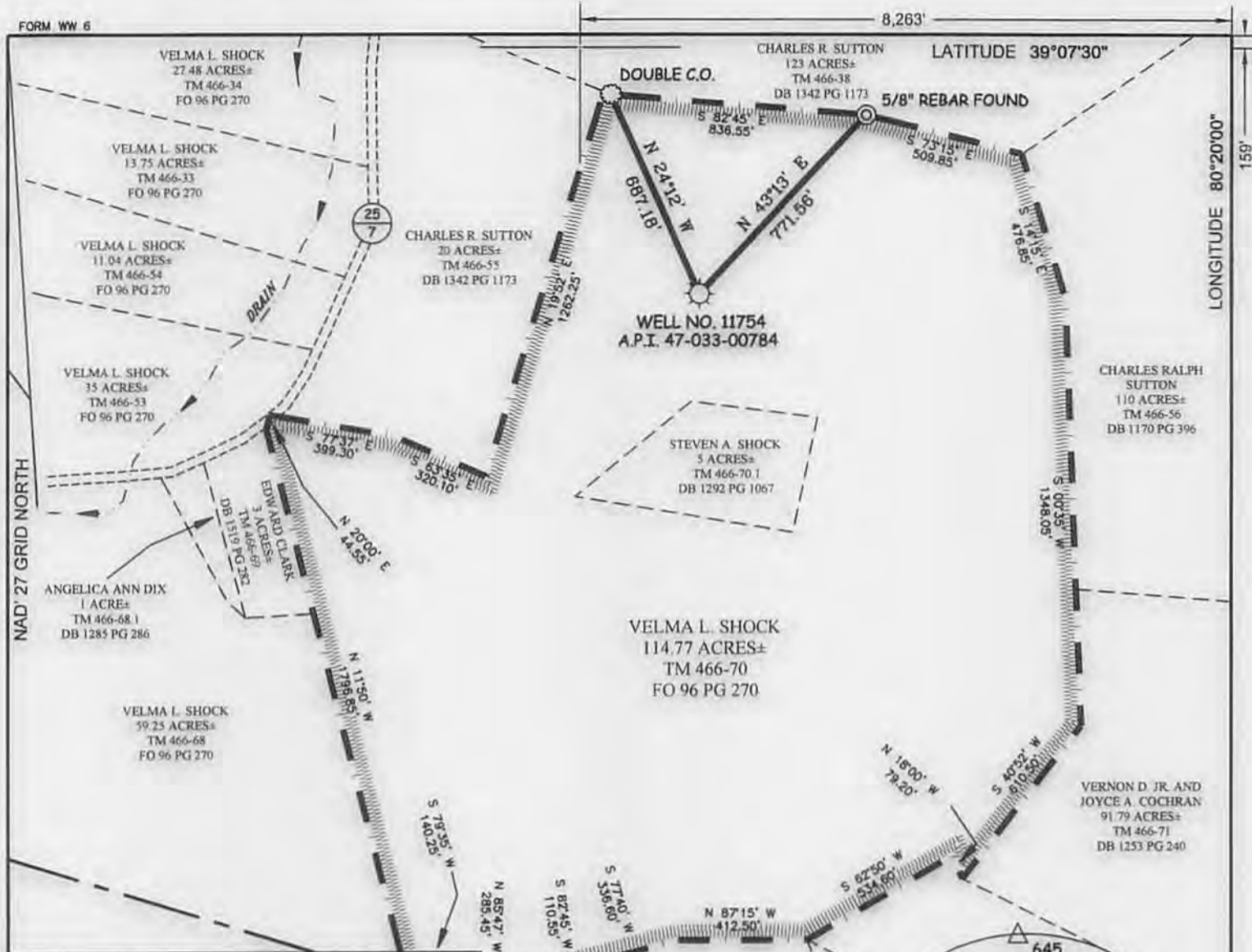
P.O. Box 150
Charmers, WV 26031
(304) 462-9834

5095 China Shultz Road
Martinsburg, WV 26157
(304) 671-9911

HONESTY. INTEGRITY. QUALITY.

TOPO SECTIONS OF: BERLIN & MOUNT CLARE 7.5'

FILE NO. 8134 DATE: 03/05/14 SCALE: 1"=1,000' 05/02/2014



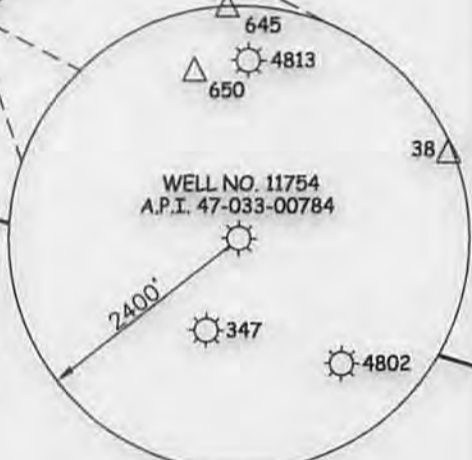
H.A. BOYLEN LEASE
182.5 ACRES±
WELL NO. 11754
A.P.I. 47-033-00784

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 228,854.3 E. 1,755,316.1
 NAD'27 GEO. LAT-(N) 39.124566 LONG-(W) 80.362460
 NAD'83 UTM (M) N. 4,330,804 E. 555,125



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 915 AT PAGE 400.
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).

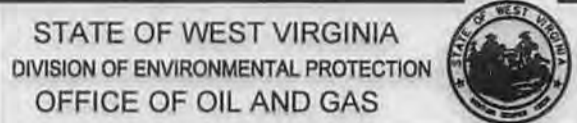


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE FEBRUARY 11, 2014
 REVISED _____ 20____
 OPERATORS WELL NO. WW 11754
 API WELL NO. 47-033-60784
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8134P11754
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE) SCALE 1" = 500'



WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1,223' WATERSHED TRIBUTARY OF MCKINNEY RUN
 DISTRICT GRANT COUNTY HARRISON QUADRANGLE BERLIN 7.5'
 SURFACE OWNER VELMA L. SHOCK ACREAGE 114.77±
 ROYALTY OWNER HERMAN MAXON & H.A. BOYLEN ACREAGE 182.5±
 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

05/02/2014

COUNTY NAME
 PERMIT