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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

August 05, 2013

**WELL WORK PERMIT**

**Vertical Well**

This permit, API Well Number: 47-3305735, issued to ENERGY PRODUCTION, 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: SNYDER #4 EP1301  
Farm Name: SNYDER, ROBERT A.  
**API Well Number: 47-3305735**  
**Permit Type: Vertical Well**  
Date Issued: 08/05/2013

**Promoting a healthy environment.**

**08/09/2013**

# 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.



3305735

WW2-A  
Revised 4/99

1) Date: July 29, 2013  
2) Operator's Well #: Snyder #4 EP1301  
3) API Well No.: 47 - 033 -  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**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 Robert A & Pamela J Snyder  
Address Rt.5, Box 1100  
Salem, WV 26462  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

5) (a) Coal Operator  
Name None with declaration  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name American Mountaineer Energy Inc  
Address Rt. 2, Box 406, Suite 115  
Clarksburg, WV 26301  
Name American Mountaineer Energy Inc.  
Address 56854 Pleasant Ridge Road  
Allledonia, Ohio 43902  
(c) Coal Lessee with Declaration  
Name None with declaration  
Address \_\_\_\_\_

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

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

       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 11 on the above named parties by:  
       Personal Service (Affidavit attached)  
        Certified Mail (Postmarked postal receipt attached)  
       Publication (Notice of Publication attached)

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

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

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

Well Operator Energy Production, Inc.  
By: John Haskins  
Its: Agent  
Address P.O. Box 938  
Jane Lew, WV 26378  
Telephone (304) 884-8260

Subscribed and sworn before me this 29th day of July, 2013

Debra Lee Thorne Commissioner of WV  
My Commission Expires August 1, 2015



08/09/2013

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Harrison Operator Energy Production, Inc. Operator well number Snyder #4 EP1301

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 an 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.

Signature: [Handwritten Signature]
Date: 2/26/13
Print Name: Robert Snyder

Company Name:
By:
Its:
Date:
Signature:
Date:

Office of Oil and Gas
FEB 28 2013
Department of Environmental Protection

WW-2A1  
(Rev. 1/11)

Operator's Well Number Snyder #4 EP1301

**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
Robert & Pamela Snyder	Energy Production, Inc.	1/8	1375/458

**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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FEB 28 2013  
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: Energy Production, Inc.  
 By: Its: John Haskins  
Agent

WW2-B1

Well No. Snyder #4 EP1301

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. A list of approved commercial laboratories is maintained by the WVDEP and may be viewed at: <http://www.dep.wv.gov/WVE/Programs/lab/Pages/default.aspx>

Listed below is the laboratory chosen by operator to perform analysis and contractor chosen to collect sample.

Certified Laboratory Name	<u>Reliance Labs</u>
Contractor Name	<u>EL&amp;M</u>
Well Operator	<u>Energy Production, Inc.</u>
Address	<u>P.O. Box 491</u>
	<u>Jane Lew, WV 26378</u>
Telephone	<u>(304) 884-7750</u>

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FEB 28 2013

WV Department of  
Environmental Protection

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

Robert & Pamela Snyder

08/09/2013

WW-9  
Rev. 5/10

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 033 - \_\_\_\_\_  
Operator's Well No. Snyder #4 EP1301

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Energy Production, Inc. OP Code \_\_\_\_\_

Watershed Indian Run Quadrangle Salem

Elevation 1254 County Harrison District Tenmile

Description of anticipated Pit Waste: drilling and frac fluids

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

Will a synthetic liner be used in the pit? yes . If so, what mil.? 6

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 \_\_\_\_\_)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used? \_\_\_\_\_

Will closed loop system be used? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. leave in pit

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust \_\_\_\_\_

-Landfill or offsite name/permit number? \_\_\_\_\_

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 *John Haskins*

Company Official (Typed Name) John Haskins

Company Official Title Agent

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Office of Oil and Gas

FEB 28 2013

WV Department of  
Environmental Protection

Subscribed and sworn before me this 26<sup>th</sup> day of February, 2013

*Dale Lee Thorne* Notary Public

My commission expires Aug 1, 2015



08/09/2013

MAR 25 2013

Form WW-9

WV Department of  
Environmental Protection

Operator's Well No. Snyder #4 EP1301

LEGEND

Property Boundary	Diversion
Road	Spring
Existing Fence	Wet Spot
Planned Fence	Drain Pipe with size in inches
Stream	Waterway
Open Ditch	Cross Drain
Rock	Artificial Filter Strip
North	Pit: cut walls
Buildings	Pit: compacted fill walls
Water wells	Area for Land Application of Pit Waste
Drill site	

Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH 6

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
50/50 tall fescue & annual rye	30	50/50 tall fescue & annual rye	30
orchard grass	10	orchard grass	10
clover	10	clover	10

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

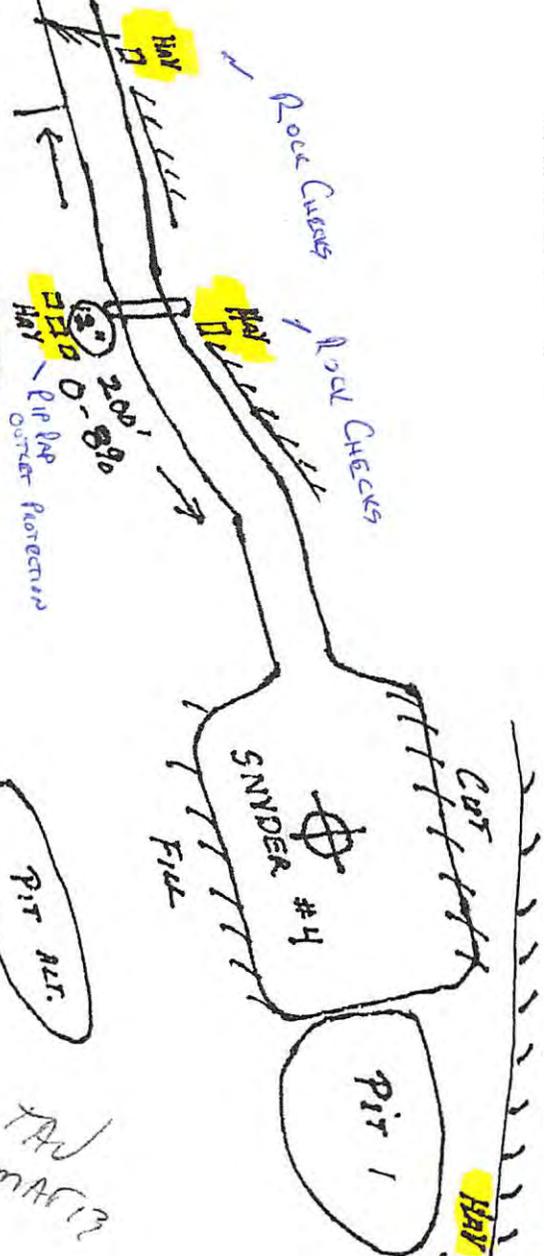
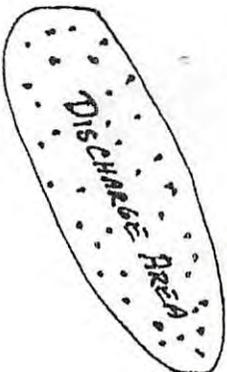
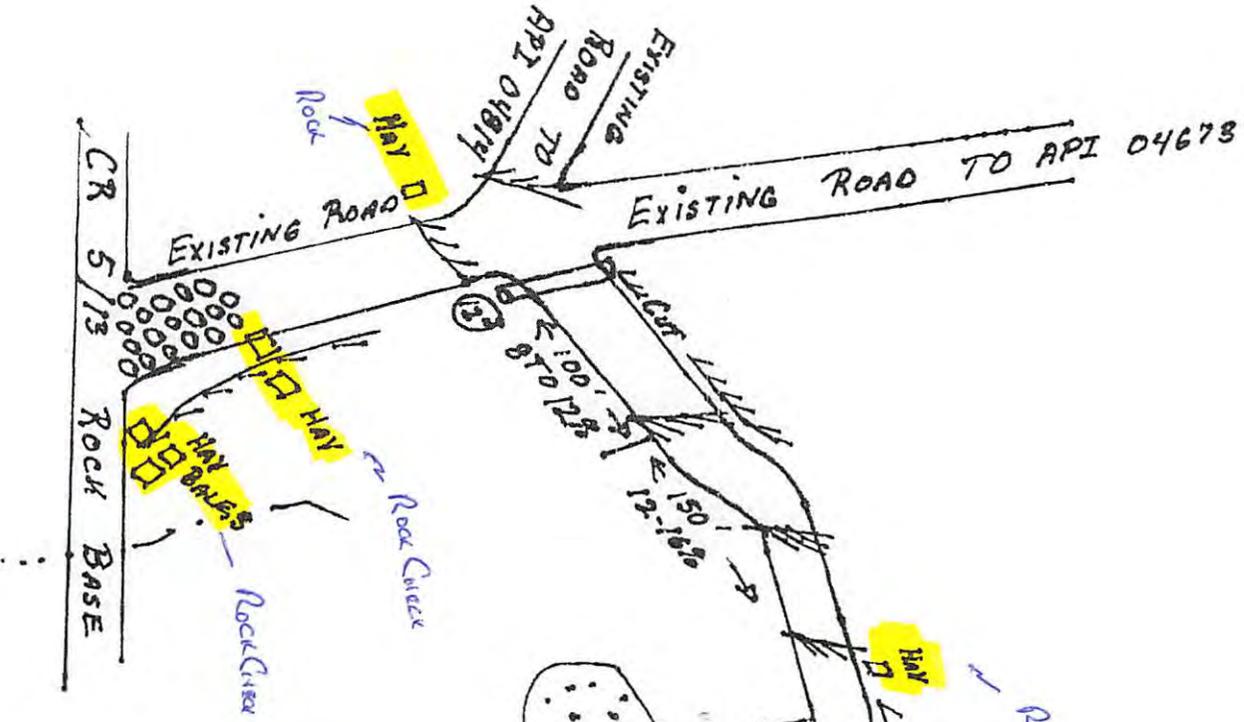
Comments:

Title: oil & Gas Inspector

Date: 10/25/13

Field Reviewed?  Yes  No

SNYDER #4



- (1) LOCATION AND ROAD ARE IN A WOODED AREA  
TIMBER WILL BE CUT AND STACKED
- (2) BRUSH WILL BE FILED

HAY BALES NEED TO BE REPLACED W/ OTHER PRIMARY SEDIMENT CONTROL DEVICES. HAY BALES MAY BE USED AS A SECONDARY PREVENTION CONTROL DEVICE.

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Office of Oil and Gas

MAR 25 2013

WV Department of Environmental Protection

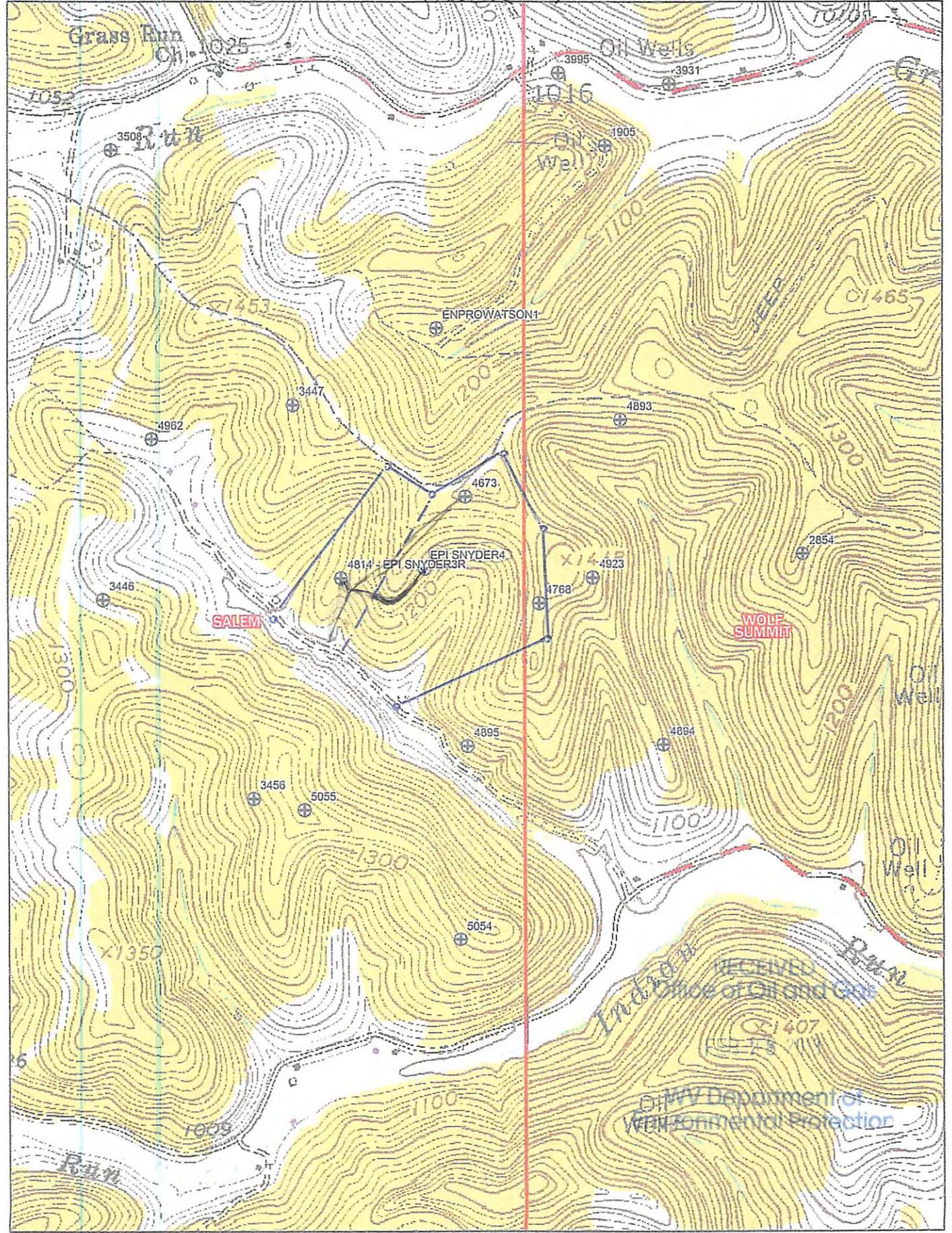
gmm  
3/25/2013

3305735  
Pg 9 of 11

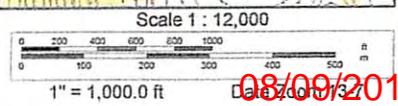
08/09/2013

3305735

SNYDER #4



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 © DeLorme. XMap® 6.  
 www.delorme.com



08/09/2013

**WELL REFERENCES:**

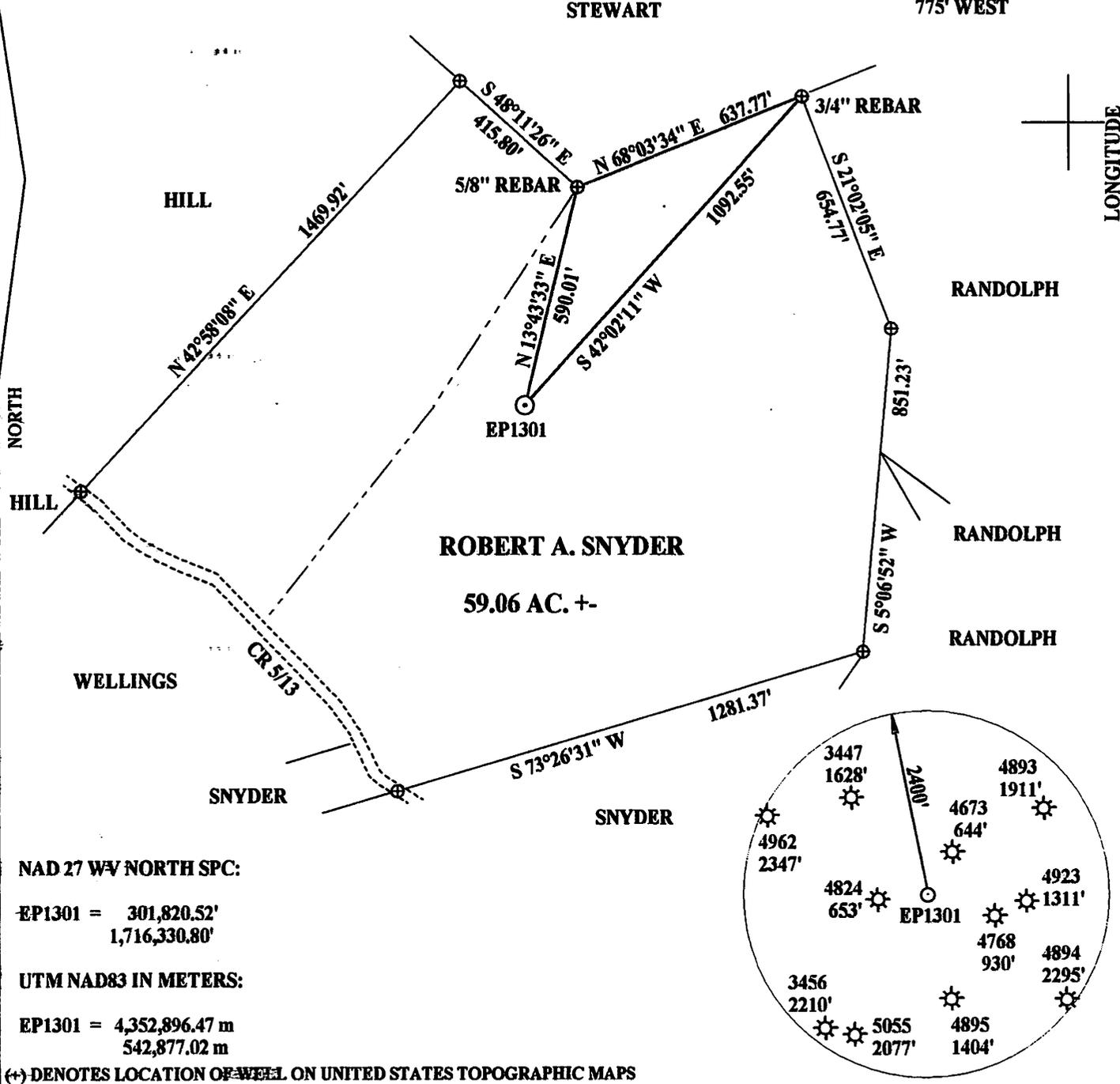
S07-00W, 117.00' FROM 4" GUM  
N72-00E, 132.50' FROM 6" R. MAPLE

LATITUDE 39-20-00

SCALED COOR.:

3,285' SOUTH  
775' WEST

80-30-00  
LONGITUDE



**NAD 27 WV NORTH SPC:**

EP1301 = 301,820.52'  
1,716,330.80'

**UTM NAD83 IN METERS:**

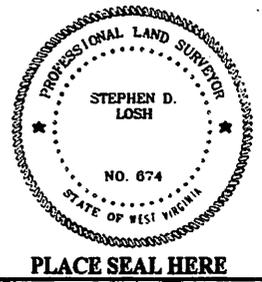
EP1301 = 4,352,896.47 m  
542,877.02 m

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: \_\_\_\_\_  
 DRAWING NUMBER: **EPISNYDER4.PCS**  
 SCALE: 1" = 400'  
 MINIMUM DEGREE OF ACCURACY: **SUBMETER**  
 PROVEN SOURCE OF ELEVATION: **DGPS SURVEY**  
**SUBMETER SYSTEM**

I THE UNDERSIGNED, HEREBY STATE 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 DEPARTMENT OF ENERGY.

(SIGNED) \_\_\_\_\_  
**STEPHEN D. LOSH, P.S. #674**



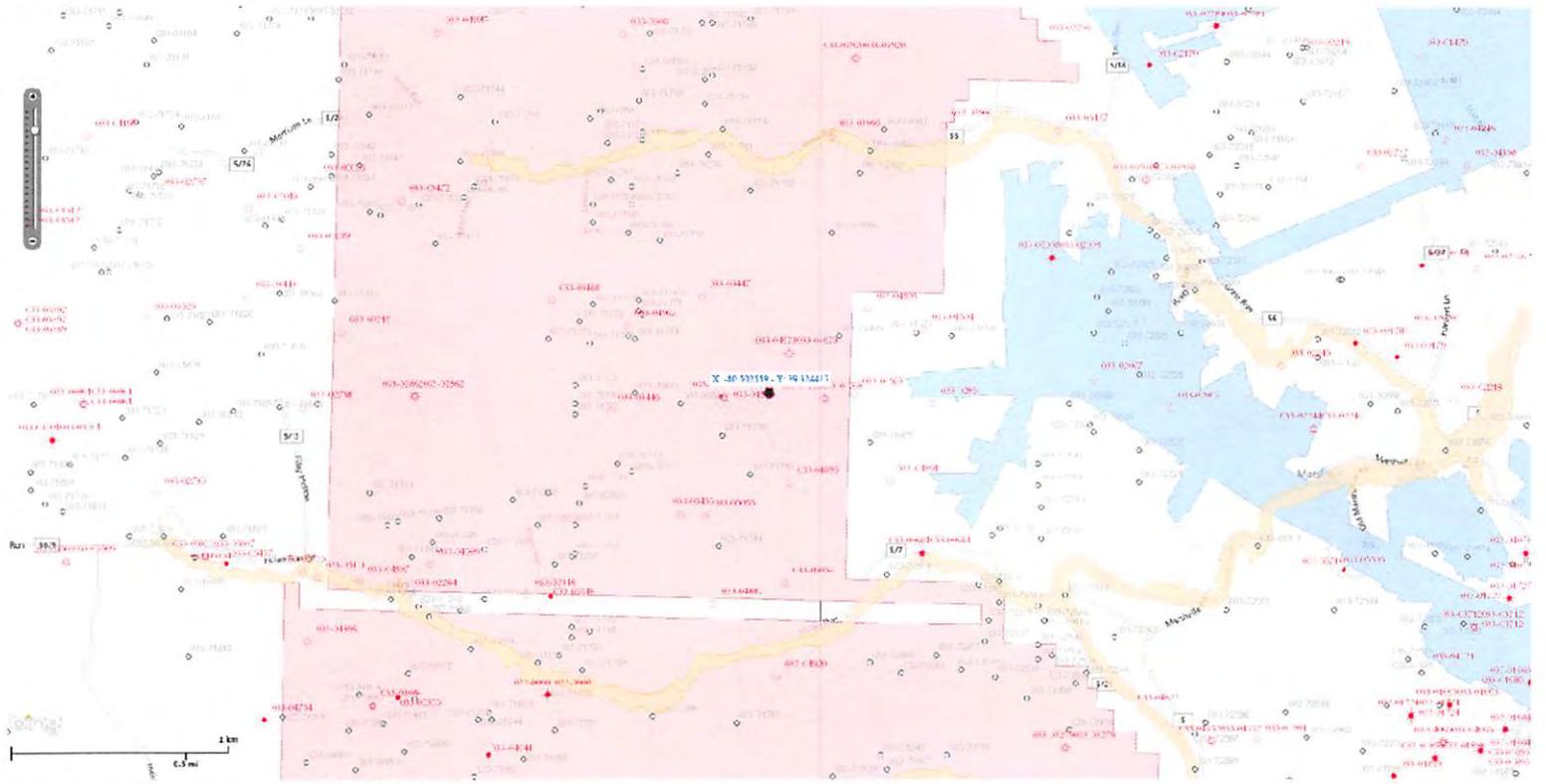
STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: <u>FEBRUARY 19, 2013</u>
	FORM WW-6	OPERATORS WELL NO.: <u>EP1301</u>
WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> CBM <input type="checkbox"/> (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>		API WELL NO. <u>47 - 033 - 05735</u>
LOCATION: ELEVATION <u>1253.81'</u> WATERSHED <u>INDIAN RUN</u>		STATE <u>47</u> COUNTY <u>033</u> PERMIT <u>05735</u>
DISTRICT <u>TENMILE</u> COUNTY <u>HARRISON</u>		
QUADRANGLE <u>SALEM</u> LEASE NUMBER _____		
SURFACE OWNER <u>ROBERT A. SNYDER</u> ACREAGE <u>59.06 (263 - 04)</u>		
OIL & GAS ROYALTY OWNER <u>ROBERT A. SNYDER</u> LEASE ACREAGE <u>63.00</u>		
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE (SPECIFY) _____		
TARGET FORMATION _____ ESTIMATED DEPTH _____		
WELL OPERATOR <u>ENERGY PRODUCTION, INC.</u> DESIGNATED AGENT <u>JOHN HASKINS</u>		
ADDRESS <u>P. O. BOX 938 JANE LEW, WV 26378</u> ADDRESS <u>P. O. BOX 938 JANE LEW, WV 26378</u>		

COUNTY NAME PERMIT

08/09/2013

# Map from a Flex Viewer application

Powered by ArcGIS



OFFICE OF MINER'S HEALTH, SAFETY & TRAINING

08/09/2013

