



**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

June 02, 2014

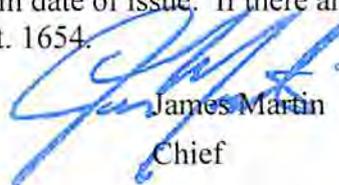
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8101223, issued to EXCO RESOURCES (PA), LLC, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: POCAHONTAS 1  
Farm Name: MARTIN, JOHN LAYMON JR.  
**API Well Number: 47-8101223**  
**Permit Type: Plugging**  
Date Issued: 06/02/2014

## 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

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. 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.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4B  
Rev. 2/01

1) Date January 16, 2014  
2) Operator's  
Well No. Pocahontas 1  
3) API Well No. 47-051 - 01223

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 1955' Watershed Rockhouse Fork  
District Trap Hill County Raleigh Quadrangle Lester

6) Well Operator EXCO Resources (PA), LLC 7) Designated Agent Diana Stamper/C.T. Corp Systems  
Address PO Box 8 Address 5400 D Big Tyler Road  
Ravenswood, WV 26164 Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gary Kennedy Name \_\_\_\_\_  
Address PO Box 268 Address \_\_\_\_\_  
Nimitz, WV 25978

10) Work Order: The work order for the manner of plugging this well is as follows:

1. RIH tbg to + or - 900' - load hole with 6% gelled water pooh tbg to 830' - rig up and pump 125 sks class A cement 830' - 260' pooh tbg
2. RIH cut 4 1/2" casing @ + or - 230' - pooh 4 1/2" casing
3. RIH tubing to 230', rig up and pump 50 sks class A cement 230' - surface. Erect monument with API#

Received

APR 17 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector *Gary Kennedy* Date 2/28/14

06/06/2014

WR-35

DATE: 8/20/2002  
API #: 47-8101223-C

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Martin, Mabel S Operator Well No.: Pocahontas #1

LOCATION: Elevation: GL 1955' Quadrangle: Lester 7.5'

District: Trap Hill County: Raleigh  
Latitude: 7920 Feet South of 37 Deg. 45 Min. 00 Sec.  
Longitude 2290 Feet West of 81 Deg. 20 Min. 00 Sec.

Company: Energy Search, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>Rt 11, Box 41 Products Lane</u> <u>Marietta, OH 45750</u>	<u>13 3/8"</u>	<u>30'</u>	<u>30'</u>	
Agent: <u>Dave Perkinson</u>	<u>7"</u>	<u>263'</u>	<u>263'</u>	<u>100 sks</u>
Inspector: <u>Rick Campbell</u>				
Date Permit Issued: <u>2/27/2001</u>	<u>4 1/2"</u>	<u>900'</u>	<u>900'</u>	<u>55 sks</u>
Date Well Work Commenced: <u>4/2/2001</u>				
Date Well Work Completed: <u>4/4/2001</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XX</u> Cable <u>      </u> Rig <u>      </u>				
Total Depth (feet): <u>928</u>				
Fresh Water Depth (ft.): <u>50'-1/4" strn</u> <u>30f' 1" strn</u>				
Salt Water Depth (ft.): <u>n/a</u>				
Is coal being mined in area (N/Y)? <u>n</u>				
Coal Depths (ft.): <u>50, 301, 497</u>				

RECEIVED  
Office of Oil & Gas  
Permitting  
NOV 13 2002  
WV Department of  
Environmental Protection

OPEN FLOW DATA

Producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Received  
APR 17 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: COC Perkinson, Dave  
By: Dave Perkinson

06/06/2014

CK# 242513  
#100<sup>02</sup>

WW-4A  
Revised 6-07

1) Date: January 16, 2014  
2) Operator's Well Number  
Pocahontas 1  
3) API Well No.: 47 - 081 - 01223

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

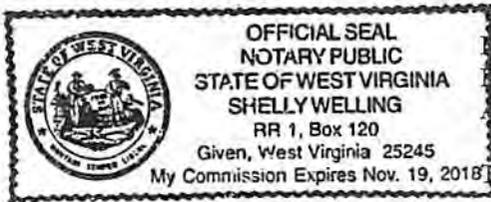
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>John Martin Jr</u>	Name _____
Address <u>1285 Old Bryson Rd</u>	Address _____
<u>Lester, WV 25865</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>WPP LLC</u> ✓
_____	Address <u>5260 Irwin Road</u>
(c) Name _____	<u>Huntington, WV 25705</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 268</u>	Name <u>ICG Beckley, LLC</u> ✓
<u>Nimitz, WV 25978</u>	Address <u>PO Box 49221 Old Eccles Road</u>
Telephone <u>304-382-8402</u>	<u>Eccles, WV 25836</u>

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator EXCO Resources (PA), LLC  
 By: Rick Green *Rick Green*  
 Title: Construction Specialist I  
 Address: PO Box 8  
Ravenswood, WV 26164  
 Telephone: 304-273-5371

Received

Subscribed and sworn before me this 14<sup>th</sup> day of March, 2014 APR 17 2014  
Shelly Welling Notary Public  
 My Commission Expires 11/19/18

**Oil and Gas Privacy Notice**

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

06/06/2014

Pocahontas | 8101223P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature <input checked="" type="checkbox"/> M Jewell <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to:  WPP LLC 5260 Irwin Road Huntington, WV 25705	B. Received by (Printed Name) C. Date of Delivery M Townsend
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
7006 2760 0005 3354 2253	
Domestic Return Receipt 102595-02-M-1540	

U.S. Postal Service™  
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**OFFICIAL USE**

Postage	\$ 3.30 90
Certified Fee	2.70 00
Return Receipt Fee (Endorsement Required)	2.70 00
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.90</b>

Postmark Here  
 MILLWOOD, WV 25262  
 MAR 14 2014  
 USPS

Sent To  
 WPP LLC  
 Street, Apt. or PO Box: 5260 Irwin Road  
 City, State: Huntington, WV 25705

PS Form 3800, August 2006 See Reverse for Instructions

Received  
 APR 17 2014

Office of Oil and Gas  
 M&G Dept. Protection

06/06/2014

Pocahontas / 8101223P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input checked="" type="checkbox"/> <i>Lisa G. Heures</i> <input type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>B. Received By (Printed Name)  <i>Lisa G. Heures</i></p> <p>C. Date of Delivery  <i>2/21/2014</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes          If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>ICG BECKLEY LLC          PO BOX 49221          OLD ECCLES ROAD          ECCLES WV 25836</p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number          (Transfer from service label)</p>	<p>7006 2760 0005 3354 3243</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

U.S. Postal Service™  
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For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$ .90
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 6.90</b>

Sent To: ICG BECKLEY LLC  
 PO BOX 49221  
 OLD ECCLES ROAD  
 ECCLES WV 25836

Postmark Here: MILLWOOD, WV 25265 FEB 20 2014 USPS

PS Form 3800, August 2000 See Reverse for Instructions

Received

APR 17 2014

Office of Oil and Gas  
 WV Dept. of Environmental Protection

06/06/2014

**SURFACE OWNER WAIVER**

Operator's Well  
Number

Pocahontas 1

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.  
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) 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 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 revision of the violation..."

Received

APR 17 2014

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.

Office of Oil and Gas  
WV Dept. of Environmental Protection

**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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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  
ETC.

FOR EXECUTION BY A CORPORATION,

John L. Martin Jr. Date 2-26-14 Name \_\_\_\_\_  
Signature By \_\_\_\_\_

\_\_\_\_\_  
Date

Signature

Date  
**06/06/2014**

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 EXCO Resources (PA), LLC OP Code 307860

Watershed Rockhouse Fork Quadrangle Lester

Elevation 1955' County Raleigh District Trap Hill

Description of anticipated Pit Waste: cement, water, gel

Will a synthetic liner be used in the pit? yes 20mc JK

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 pit waste will be solidified with cement)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain \_\_\_\_\_)
- Swabbing
- Plugging

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 *Rick Green*

Company Official (Typed Name) Rick Green

Company Official Title Construction Specialist I

Received

APR 17 2014

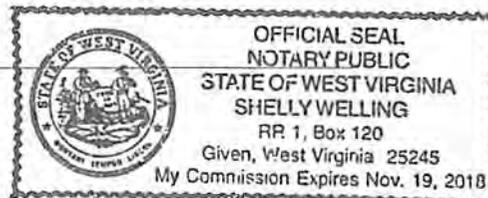
Subscribed and sworn before me this 19 day of Feb, 2014

Office of Oil and Gas

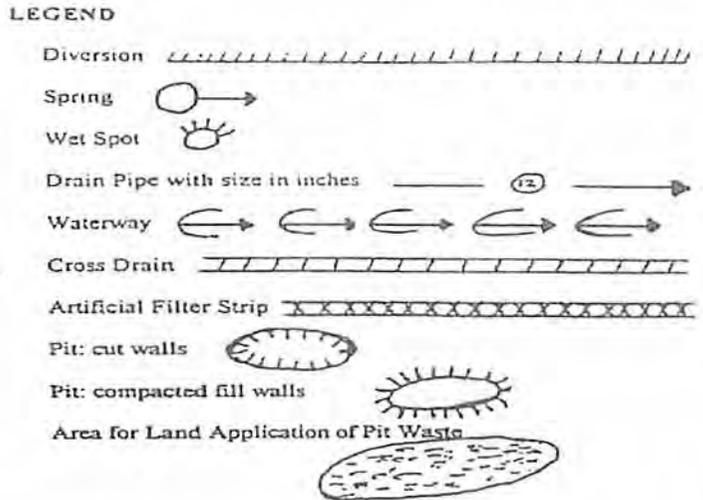
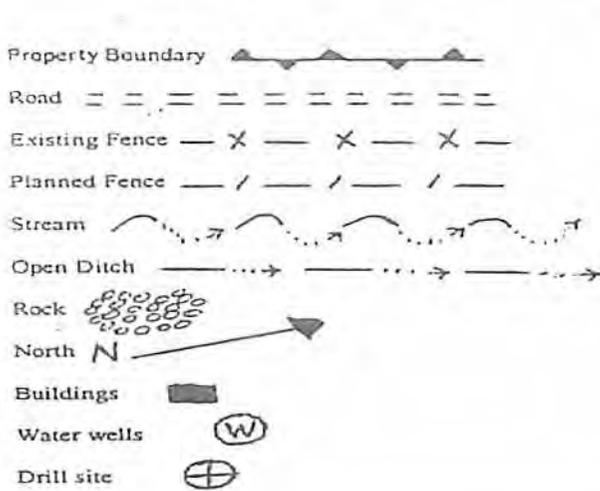
WV Dept. of Environmental Protection

*Shelly Welling* Notary Public

My commission expires 11/19/18



06/06/2014



Proposed Revegetation Treatment: Acres Disturbed >1 Prevegetation pH \_\_\_\_\_

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

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY 31 Fescue		40	same as Area I		
Alsike Clover		5			
Annual Rye		16			

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

Photocopied section of involved 7.5' topographic sheet.

Received

APR 17 2014

Plan Approved by: [Signature]

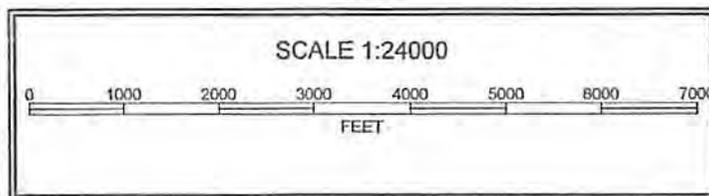
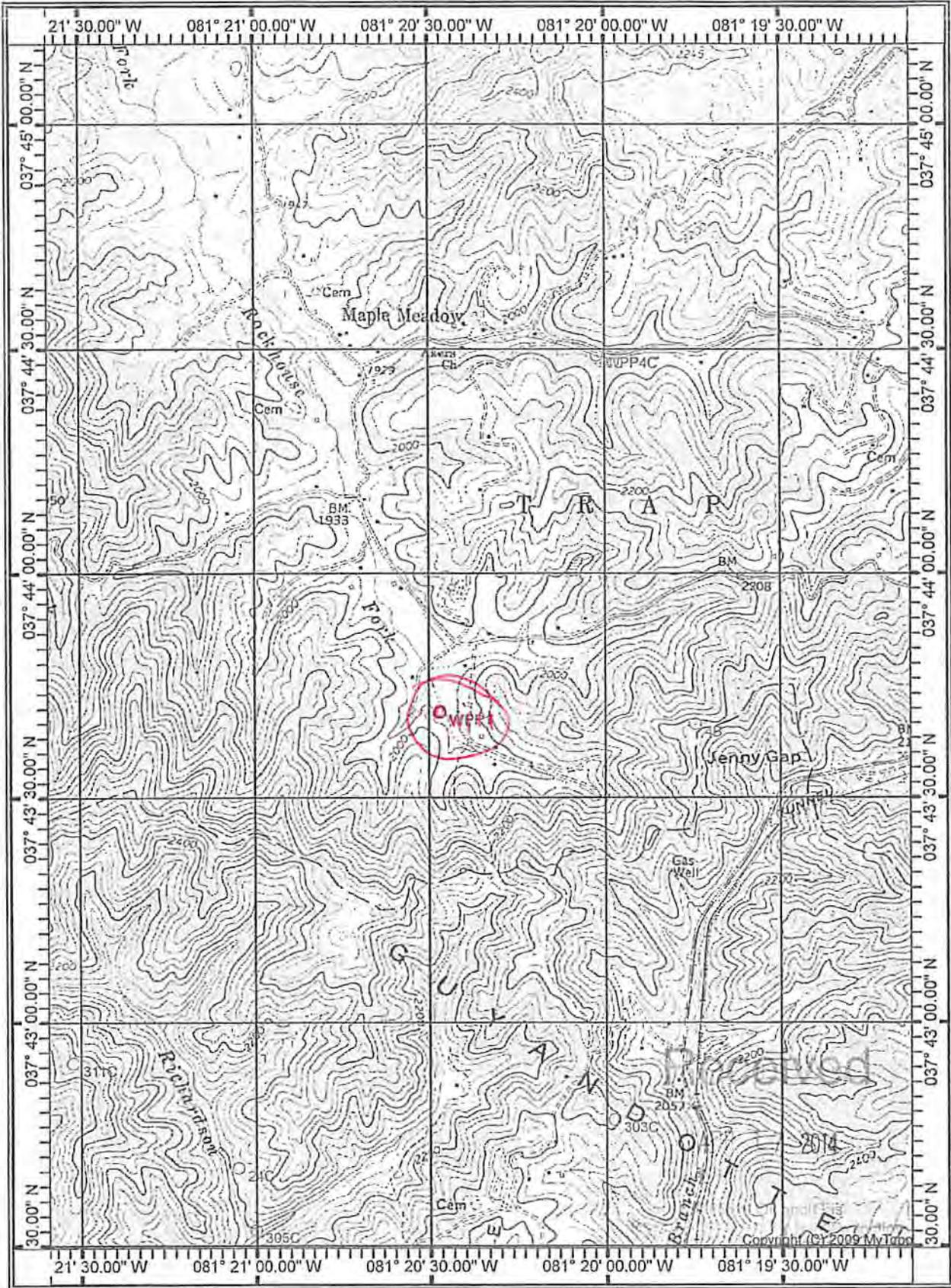
Office of Oil and Gas  
WV Dept. of Environmental Protection

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

Title: Inspector Date: 2/28/14

Field Reviewed? ( ) Yes ( ) No





*[Handwritten signature]*

8101223 P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-081-01223 WELL NO.: 1

FARM NAME: Pocahontas

RESPONSIBLE PARTY NAME: EXCO (PA) LLC

COUNTY: RALEIGH DISTRICT: TRAP HILL

QUADRANGLE: WESTERN 7.5

SURFACE OWNER: JOHN MARTIN JR

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4175728.4

UTM GPS EASTING: 469952.6 GPS ELEVATION: 1955 FT

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

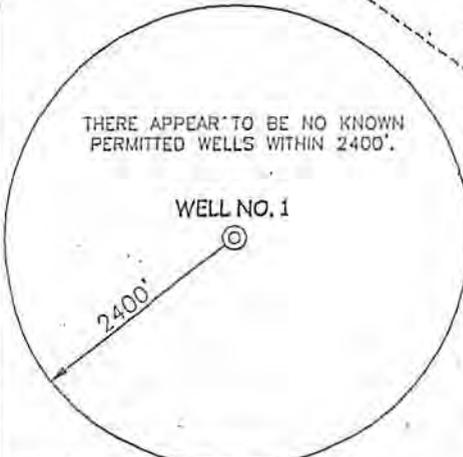
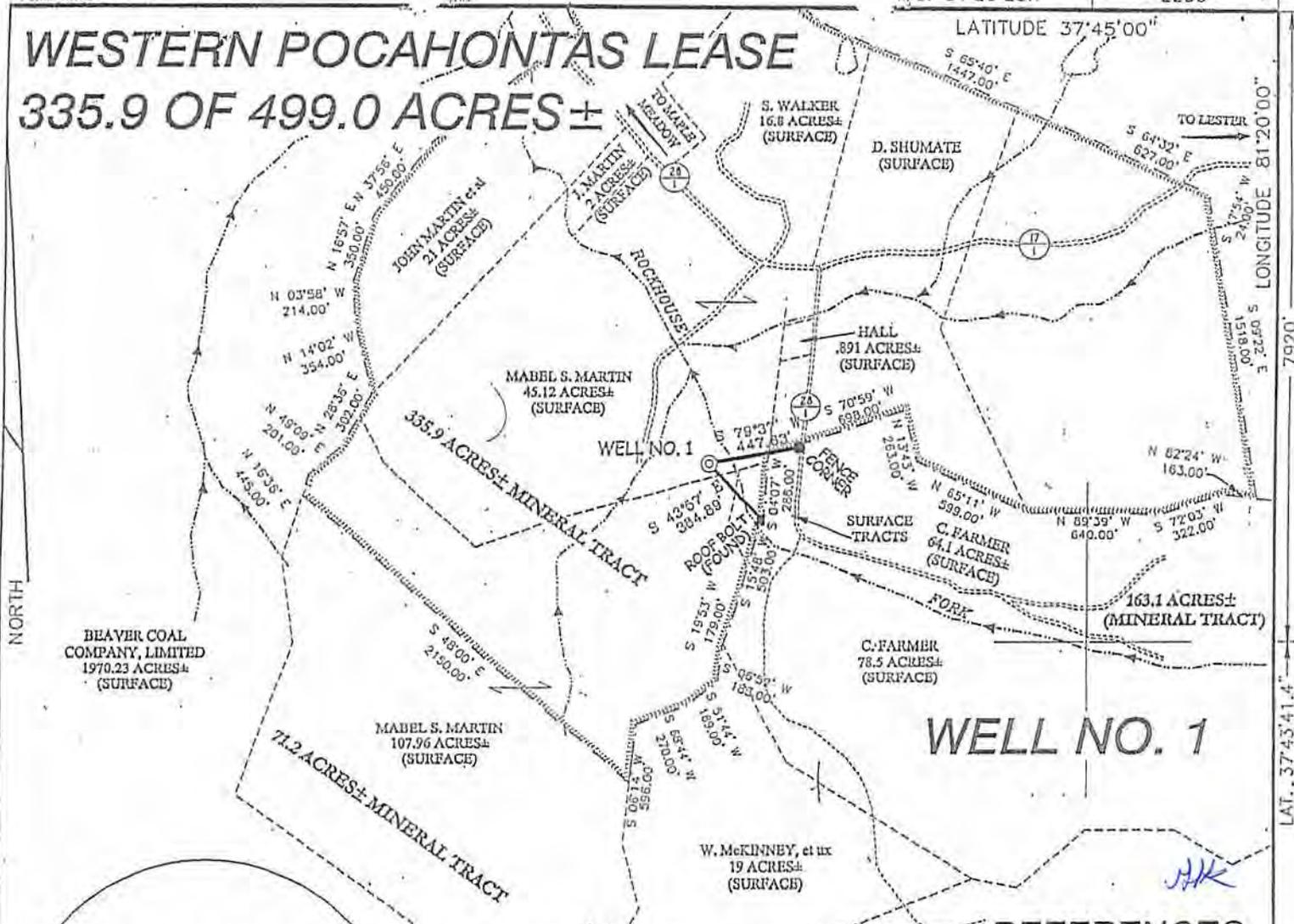
*Randall S. Prudicht*  
Signature

Operator Supervisor  
Title

5/28/14  
Date

81012230P

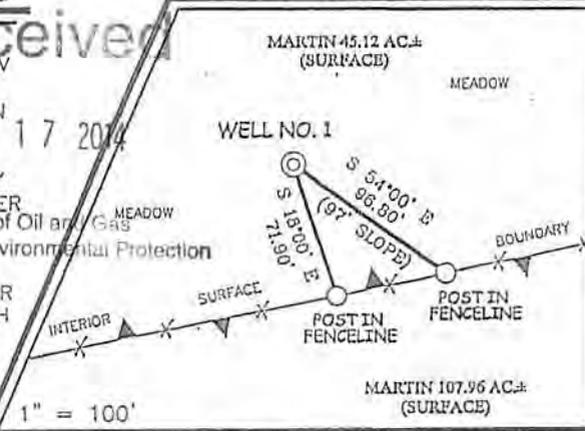
# WESTERN POCAHONTAS LEASE 335.9 OF 499.0 ACRES ±



### NOTES ON SURVEY

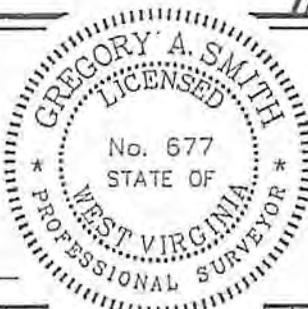
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01/30/01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM AN ABSTRACT OF TITLE BY EDWARD P. STANSBERRY DATED SEPTEMBER 29, 1965 AS PROVIDED BY ENERGY SEARCH, INCORPORATED, Dept. of Environmental Protection.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WHICH COUNTY IN JANUARY, 2001.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

### REFERENCES



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 DEPARTMENT OF ENERGY.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 31, 2001  
 OPERATORS WELL NO. POCAHONTAS NO. 1  
 API WELL NO. 47-081-012230  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4590P1(97-53)  
 PROVEN SOURCE OF ELEVATION BENCHMARK ELEVATION 1933' SCALE 1"=800'

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 1955' WATERSHED ROCKHOUSE FORK  
 DISTRICT TRAP HILL COUNTY RALEIGH QUADRANGLE LESTER 7.5'

SURFACE OWNER MABEL S. MARTIN ACREAGE 45.12±  
 ROYALTY OWNER WESTERN POCAHONTAS LIMITED PARTNERSHIP LEASE ACREAGE 335.9 OF 499.0±

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 POCAHONTAS #3  
 ESTIMATED DEPTH 1300'

WELL OPERATOR EXCO RESOURCES(WV), INC DESIGNATED AGENT DIANA STAMPER  
 ADDRESS PO BOX 8 RAVENSWOOD, WV. 26164 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV. 25313

06/06/2014

COUNTY NAME PERMIT