



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

July 02, 2014

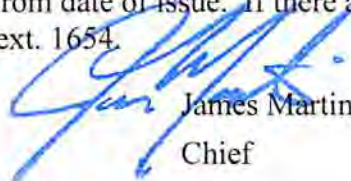
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8101224, 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 2
Farm Name: MARTIN, JOHN LAYMON JR.
API Well Number: 47-8101224
Permit Type: Plugging
Date Issued: 07/02/2014

Promoting a healthy environment.

07/04/2014

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. 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.

WR-35
Rev (5-01)

DATE: 8/26/2002
API #: 47-8101224-C

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

GCS

Well Operator's Report of Well Work

Form name: Mabel S Martin Operator Well No.: Pocahontas #2
LOCATION: Elevation: GL 2124' Quadrangle: Lester 7.5'
District: Trap Hill County: Raleigh
Latitude: 8250 Feet South of 37 Deg. 45 Min. 00 Sec.
Longitude 3890 Feet West of 81 Deg. 20 Min. 00 Sec.

Company:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Energy Search, Inc.				
Address: <u>88 Products Lane</u>	<u>13 3/8"</u>	<u>20'</u>	<u>20'</u>	
<u>Marietta, OH 45750</u>				
Agent: <u>Mike McCown</u>	<u>7"</u>	<u>616'</u>	<u>616'</u>	<u>150 sks</u>
Inspector: <u>Rick Campbell</u>				
Date Permit Issued: <u>03/01/2001</u>				
Date Well Work Commenced: <u>4/8/2001</u>				
Date Well Work Completed: <u>4/11/2001</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XX</u> Cable <u>Rig</u>				
Total Depth (feet): <u>1200'</u>				
Fresh Water Depth (ft.): <u>571' 1st stream</u>				
<u>847' Damp</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depth (ft.): <u>571'</u>				

RECEIVED
Office of Oil & Gas
MAR 21 2005

WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation: No production casing was run - well was not completed - well abandoned and is to be plugged

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

Formation Tops:
Poca #3 - 931 - 933
Poca #2 - 978 - 980
& - 986 - 989

Signed: [Signature]
By: Keith C. Stewart - Geologist
Date: 03-11-2005

Lester 1

Pocahontas 2

FRESH WATER 571'

Elevation: 2124' GL 2129' KB

13³/₈" Conductor pipe 20'

** 7 to 2
swedge on well

7" 17 #/ft @ 620' cmt w/ 150
sks to surface

Received

APR 17 2014

Office of Oil and Gas

Formations Depths:
Poca 3 931'-933'
Poca 2b 978'-979'
Poca 2a 987'-988'

Poca 3

Poca 2b

Poca 2a

6¹/₂" bit 620'-1200'
TD 1200'

currently openhole

8101224P OK #242513 \$100.00

WW-4A
Revised 6-07

1) Date: February 7, 2014
2) Operator's Well Number
Pocahontas 2
3) API Well No.: 47 - 081 - 01224

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

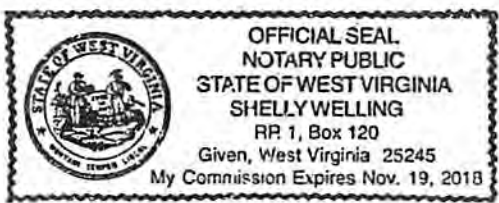
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>John Martin Jr</u> ✓	Name _____
Address <u>1285 Old Bryson Rd</u>	Address _____
<u>Lester, WV 25865</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>WPP LLC</u> ✓
	Address <u>5260 Irwin Road</u>
	<u>Huntington, WV 25705</u>
(c) Name _____	Name _____
Address _____	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 reverses 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 *[Signature]*
 Its: Construction Specialist I
 Address PO Box 8
Ravenswood, WV 26164
 Telephone 304-273-5371

Received

Subscribed and sworn before me this 14th day of March, 2014
[Signature] Notary Public
 My Commission Expires 11/19/18

APR 17 2014
 Office of Oil and Gas
 WV Dept. of Environmental Protection

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 depprivacyoffier@wv.gov.

07/04/2014

8101224P
Pocahontas 2

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:

WPP LLC
5260 Irwin Road
Huntington, WV 25705

2. Article Number
(Transfer from service label) 7006 2760 0005 3354 2277

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature *M. Townsend* Agent Addressee

B. Received by (Printed Name) *M. Townsend* C. Date of Delivery

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

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	\$ 3.30 90
Certified Fee	2.90 3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.90

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

7006 2760 0005 3354 2277

MILLWOOD, WV 25262
 APR 14 2014
 USPS

Received

APR 17 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

07/04/2014

8101224P

Pocahontas 2

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> 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. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <i>Lisa C. Harris</i> <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Lisa C. Harris</i></p> <p>C. Date of Delivery <i>2/21/14</i></p>
<p>1. Article Addressed to:</p> <p>ICG BECKLEY LLC PO BOX 49221 OLD ECCLES ROAD ECCLES WV 25836</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>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.</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p>7006 2760 0005 3354 3267</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

7006 2760 0005 3354 3267

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$.90
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.90

Sent To: ICG BECKLEY LLC
PO BOX 49221
Street, Apt. No., or PO Box No.: OLD ECCLES ROAD
City, State, ZIP+4: ECCLES WV 25836

PS Form 3800, August 2006 See Reverse for Instructions



Received

APR 17 2014

07/04/2014

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 Tributary of Rockhouse Fork Quadrangle Lester 7.5

Elevation 2124' County Raleigh District Trap Hill

Description of anticipated Pit Waste: cement, water, gel

Will a synthetic liner be used in the pit? yes 20 mil. [Signature]

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 [Signature]

Company Official (Typed Name) Rick Green

Company Official Title Construction Specialist I

Received

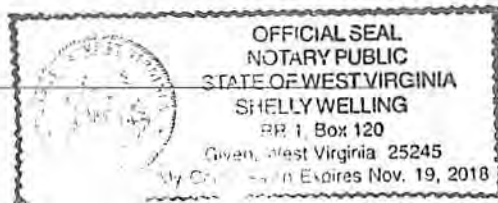
APR 17 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

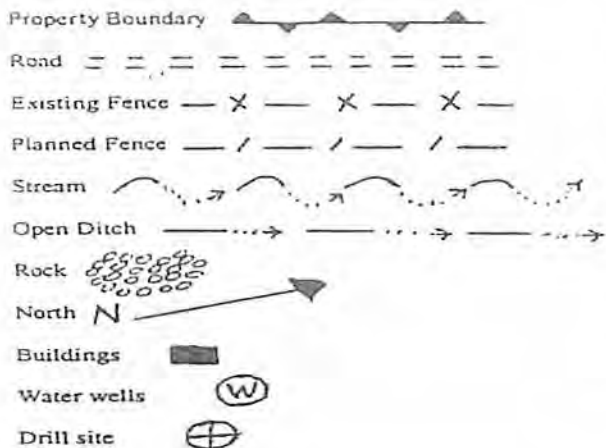
Subscribed and sworn before me this 19 day of Feb, 20 14

[Signature] Notary Public

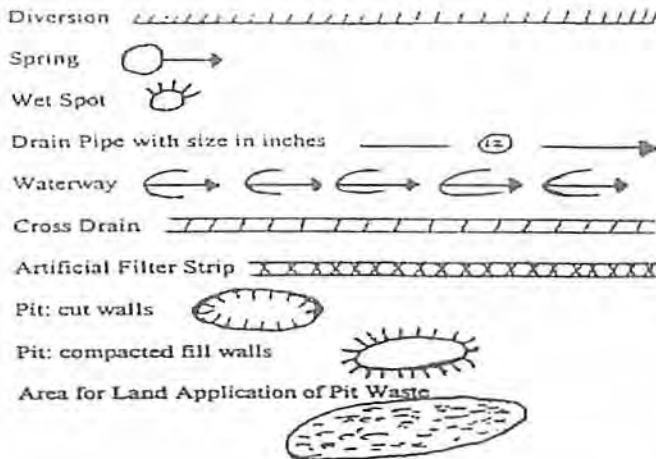
My commission expires 11/19/18



07/04/2014



LEGEND



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.

Plan Approved by: [Signature]

Comments: _____

Received

APR 17 2014

Title: Inspector

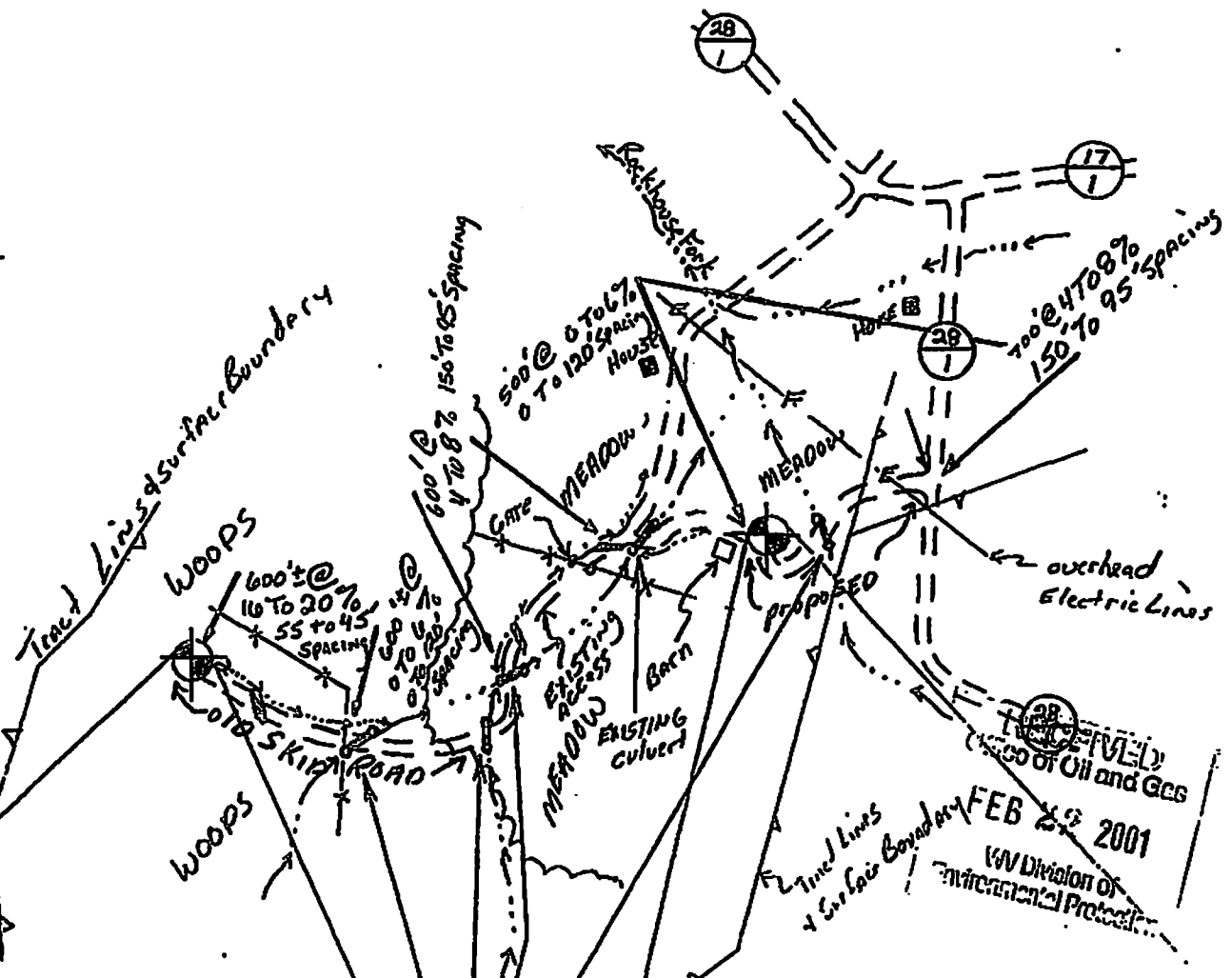
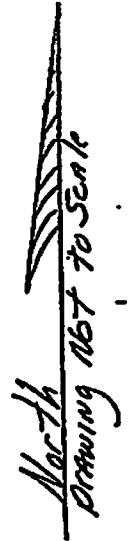
Date: 2/28/14

Field Reviewed? () Yes () No

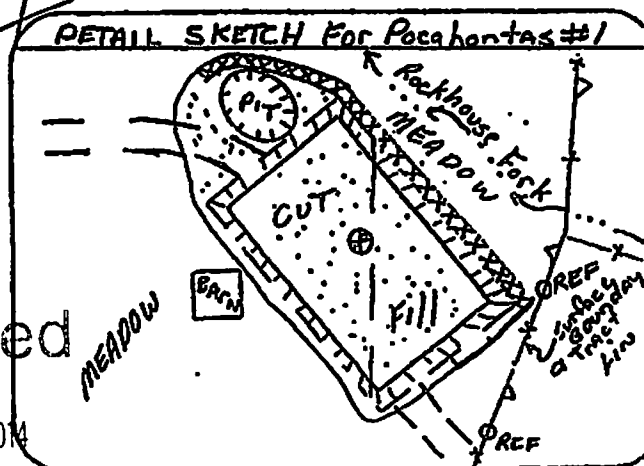
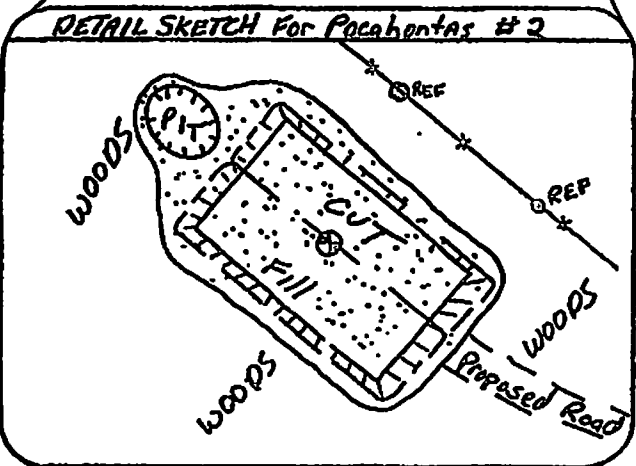
Office of Oil and Gas
WV Dept. of Environmental Protection

WESTERN POCAHONTAS LEASE WELL NO. 2

81-01224



RECEIVED
 Office of Oil and Gas
 WV Division of
 Environmental Protection
 FEB 23 2001



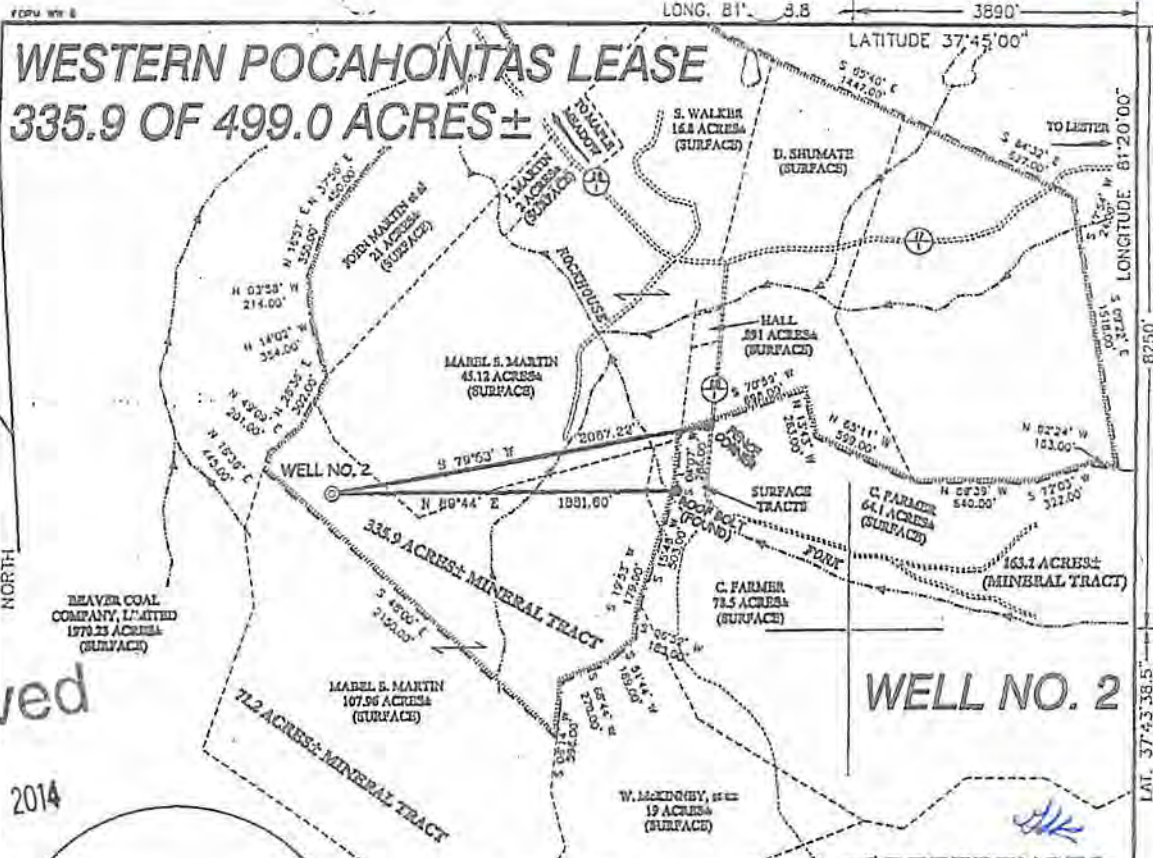
Received
 APR 17 2004

Office of Oil and Gas
 WV Dept. of Environmental Protection

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

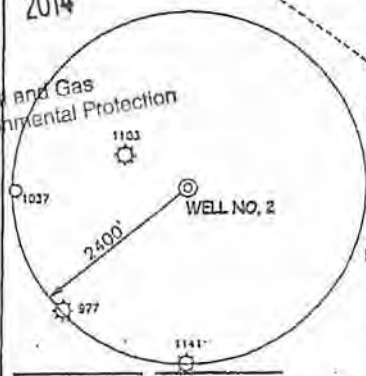
Phone (304) 462-5656 or 462-5634
 DRAWN BY *J.S.* DATE 1-31-01 FILE NO 4596
 67/04/2014

810224A



Received
APR 17 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



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.
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 FEBRUARY 5, 2001
OPERATORS WELL NO. POCAHONTAS NO. 2
API WELL NO. 47
NO. STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4590P2(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 2124' WATERSHED TRIBUTARY OF ROCKHOUSE FORK
DISTRICT TRAP HILL COUNTY RALEIGH QUADRANGLE LESTER 7.5'

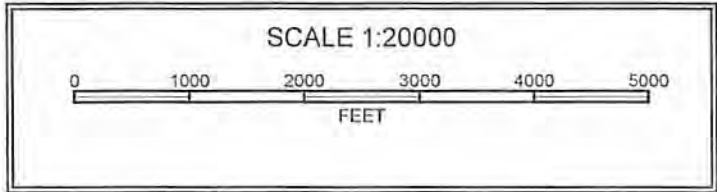
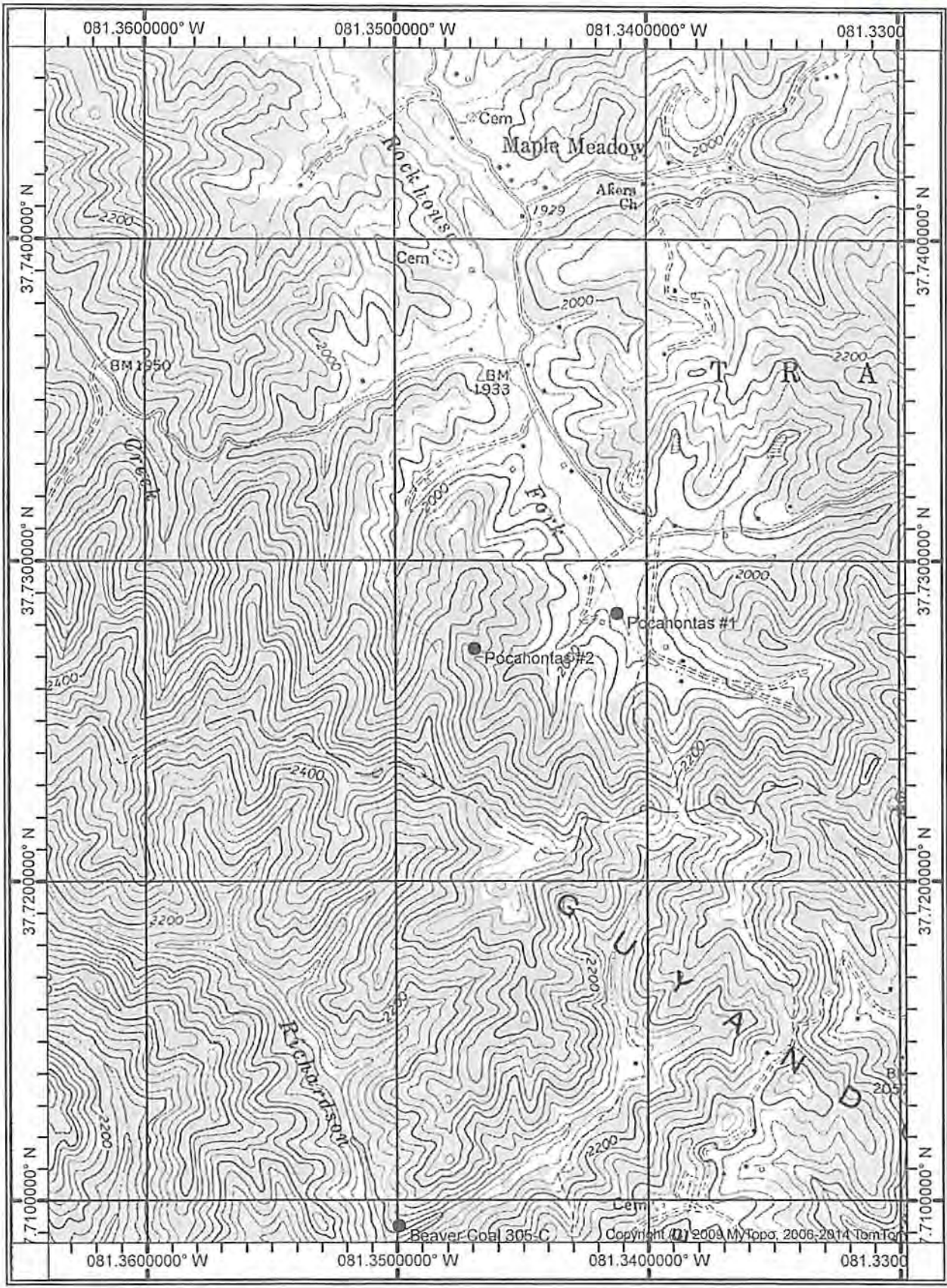
SURFACE OWNER MABEL S. MARTIN ACREAGE 107.96±
ROYALTY OWNER WESTERN POCAHONTAS LIMITED PARTNERSHIP LEASE ACREAGE 335.9 OF 499.0±

PROPOSED WORK : LEASE NO. _____
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 ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA
ADDRESS 280 SANDERS W. BLVD. SUITE 200 ADDRESS 1608 GREENMONT HILLS DR.
KNOXVILLE, TN 37922 VIENNA, WV 26105

07/04/2014

8101224P



Passive

APR 17 2014

07/04/2014

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-081-01224 WELL NO.: 2

FARM NAME: Pocahontas

RESPONSIBLE PARTY NAME: Exco Resources PA LLC

COUNTY: Raleigh DISTRICT: Trap Hill

QUADRANGLE: Lester 7.5

SURFACE OWNER: Mabel S. Martin

ROYALTY OWNER: Western Pocahontas Limited Partnership

UTM GPS NORTHING: 4175622.67

UTM GPS EASTING: 469385.12 GPS ELEVATION: 647.39 (2124')

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

Received

APR 17 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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.

[Signature]
Signature

Construction specialist 1-21-14
Title

Date

07/04/2014