



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

October 08, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-101744, 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: A-1
Farm Name: PHILLIPS, CARL
API Well Number: 47-101744
Permit Type: Plugging
Date Issued: 10/08/2015

Promoting a healthy environment.

10/09/2015

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 under the terms of that agreement.

1) Date June 15, 2015
2) Operator's
Well No. PHILLIPSA 1
3) API Well No. 47-001 - 01744

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 / Liquid injection / Waste disposal /
(If "Gas, Production or Underground storage) Deep / Shallow
- 5) Location: Elevation 1998' Watershed Glady Creek
District Glade County Barbour Quadrangle Belington 7.5'
- 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 Name Kenneth Greynolds
Address 613 Broad Run Rd
Jane Lew, WV 26378
- 9) Plugging Contractor
Name _____
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:
 Pull all tubing and rods. Run IWH(RIH) with tubing to TD of 5804'. Gel hole
 Cement 5804' - 4100' 155 sks to cover perfs. Pull tubing.
 Cut 4 1/2' csg at 1870' & pull. *PERF + SQUELZE ACROSS ELEVATOR IF PIPE WILL NOT PULL.*
 RIT & cement 1870' - 1770' 30 sks. Pull tubing to 930' cement 930' - 830' 33 sks
 Pull tubing to 330' cement 330' - 230' (coal) 33 sks *PERF AND SQUELZE PUSHS IF PIPE WILL NOT PULL*
 Pull tubing to 100' cement 100' - surface 33 sks
 Set monument with proper API #. Reclaim *MAKE ATTEMPT TO PULL*

*SEE ATTACHED
ADDENDUM. JWM*

*8 5/8" Received
Office of Oil & Gas
AUG 20 2015*

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

Work order approved by inspector *James L. [Signature]* Date 8-11-15

10/09/2015

10) Work Order:

Pull all tubing and rods. Run in hole with tubing to TD of 5804'. Gel hole to surface.

Set Class A Cement plug from 5804' to 4000' to cover fractures from Elk Sand to Benson Sand (Plug 1).

WOC for a minimum of 4 hours. Tag cement top, if it is not at 4000', add more cement.

Pull tubing. Freepoint, cut and pull casing from approximately 1870'. RIH with tubing and set a Class A Cement plug across the casing cut from 1870' to 1700' (50 sks) (Plug 2 – casing cut and elevation).

Pull tubing to 982' and set an Expanding Cement plug from 982' to 832' (50 sks) (Plug 3).

Pull tubing to 330' and set a Class A Cement plug from 330' to 190' to cover uppermost coal (Plug 4).

Pull tubing to 100' and set a Class A Cement plug from 100' to surface (33 sks) (Plug 5).

Set monument per WV State Code and reclaim site.

OK gnm



RECEIVED

IV-35
(Rev 8-81)

FEB 26 1983 State of West Virginia

OIL AND GAS DIVISION Department of Mines
WV DEPARTMENT OF MINES Oil and Gas Division

Date February 25, 1983
Operator's
Well No. "A" 1
Farm Phillips
API No. 47 - 001 - 1744

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1998 Watershed Glady Creek
District: Glade County Barbour Quadrangle Belington 7.5

5-52

COMPANY Swift Energy Company
ADDRESS P. O. Box 2201 Clarksburg, WV 26301
DESIGNATED AGENT Tim Bennett
ADDRESS P. O. Box 2201 Clarksburg, WV 26301
SURFACE OWNER Carl Phillips
ADDRESS Route 1 Box 197 Montrose, WV 26283
MINERAL RIGHTS OWNER Carl Phillips
ADDRESS Route 1 Box 197 Montrose, WV 26283
OIL AND GAS INSPECTOR FOR THIS WORK Robert Bates
ADDRESS Weston, WV 26452
PERMIT ISSUED April 3, 1982
DRILLING COMMENCED October 25, 1982
DRILLING COMPLETED October 30, 1982
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

| Casing Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 882' | 882' | 230 Sks. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 5856' | 680 Sks. |
| 3 | | | |
| XX | | 5757' | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Devonian Shale (Benson-Elk) Depth 560 feet
Depth of completed well 5997 feet Rotary X / Cable Tool
Water strata depth: Fresh 75,300,475 feet; Salt NA feet
Coal seam depths: 203, 296, 348, 468, & 622 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth 4020 - 70 feet
Gas: Initial open flow 30 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 246 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests NA hours
Static rock pressure 1475 psig (surface measurement) after 65 days shut in
(If applicable due to multiple completion--)
Second producing formation Elk Sand Pay zone depth 4354 - 5780 feet
Gas: Initial open flow * Mcf/d Oil: Initial open flow * Bbl/d
Final open flow * Mcf/d Oil: Final open flow * Bbl/d
Time of open flow between initial and final tests * hours
Static rock pressure * psig (surface measurement) after * hours shut in

* All Formation Co-Mingled

(Continue on reverse side)

10/09/2015

BAR. 1744

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

| | | | | |
|---------|-------------|-------------|-------------------|---|
| 12/7/82 | HALLIBURTON | Elk Sand | 5775.0' - 5777.0' | 5,000# 80/100 and 15,000# 20/40 Sand, 142 BGW and 400 GA. |
| | | Elk Sand | 5004.5' - 5006.5' | 3,000# 80/100 and 10,000# 20/40 Sand, 92 BGW and 250 GA |
| | | Elk Sand | 4392.0' - 4361.0' | 5,000# 80/100 and 15,000# 20/40 Sand, 120 BGW and 250 GA |
| | | Elk Sand | 4359.0' - 4361.0' | 5,000# 80/100 and 15,000# 20/40 Sand, 137 BGW and 250 GA |
| | | Benson Sand | 4133.0' - 4164.5' | 10,000# 80/100 and 30,000# 20/40 Sand, 355 BGW and 500 GA |

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-----------------------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Sand | | | 0 | 50 | |
| Sand and Shale | | | 50 | 203 | Damp @ 75' |
| Coal | | | 203 | 215 | |
| Sand | | | 215 | 296 | |
| Coal | | | 296 | 302 | 1" Stream @ 300' |
| Sand and Shale | | | 302 | 348 | |
| Coal | | | 348 | 352 | |
| Sand and Shale (Red Rock) | | | 352 | 430 | |
| Sand | | | 430 | 468 | ½" Stream @ 475' |
| Coal | | | 468 | 475 | |
| Sand and Shale | | | 475 | 567 | |
| Sand | | | 567 | 622 | |
| Coal | | | 622 | 628 | |
| Sand | | | 628 | 918 | |
| Sand and Shale and Red Rock | | | 918 | 1598 | |
| Little Lime | | | 1598 | 1720 | |
| Pencil Cave | | | 1720 | 1735 | |
| Big Lime | | | 1735 | 1822 | |
| Big Injun | | | 1822 | 1909 | |
| Sand and Shale | | | 1909 | 2700 | |
| Sand | | | 2700 | 2709 | |
| Sand and Shale | | | 2709 | 3783 | |
| Sand | | | 3783 | 3802 | |
| Sand and Shale | | | 3802 | 4262 | |
| Benson | | | 4262 | 4277 | |
| Sand and Shale | | | 4277 | 5997 | |
| RTD | | | 5997 | | |

Received
Office of Oil & Gas
AUG 20 2015

(Attach separate sheets as necessary)

Swift Energy Company
Well Operator

By: E. A. Broome

E. A. Broome 10/09/2015

Date: February 25, 1983

BAR 1744

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

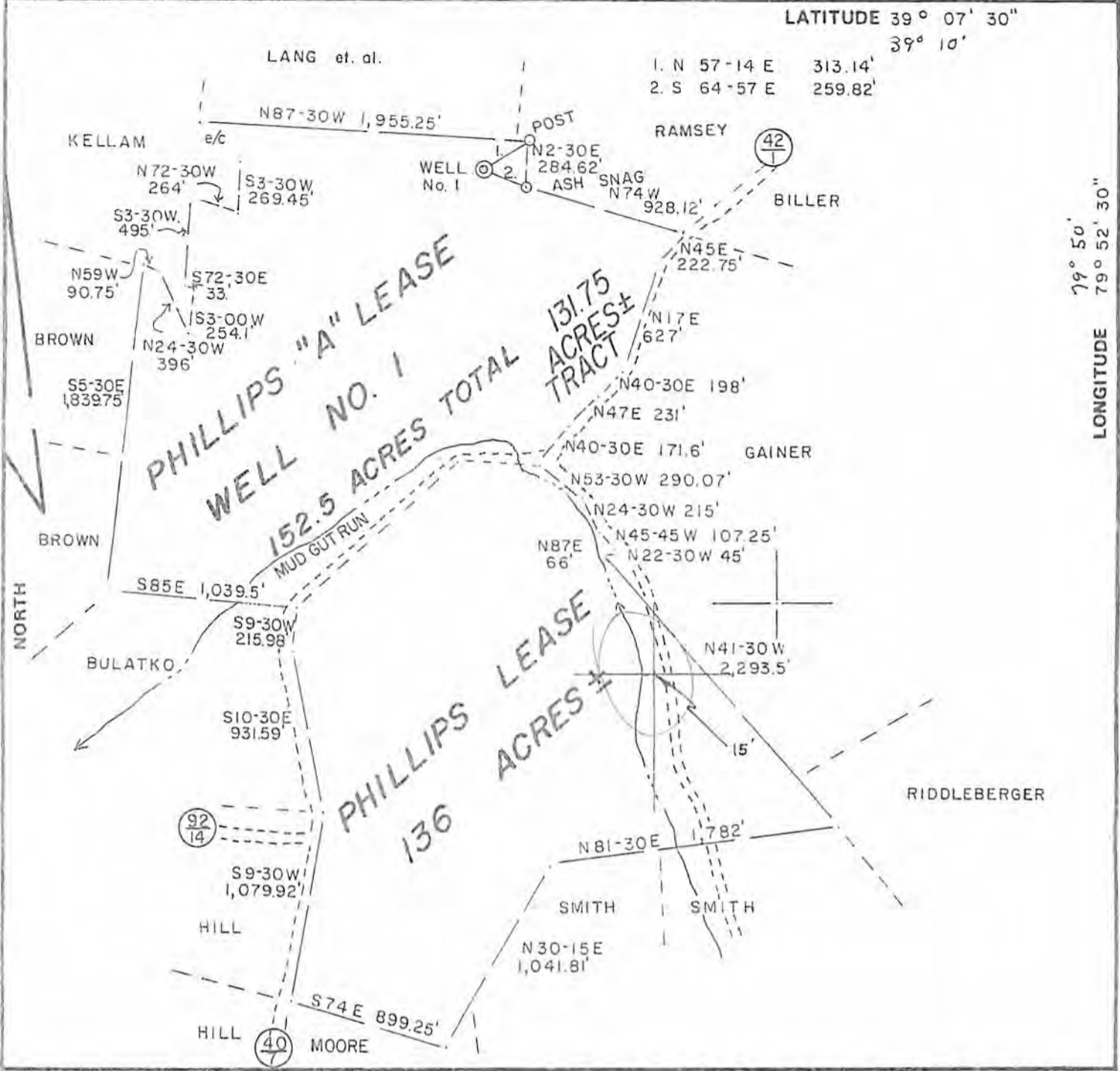
3-31-82

101744P

4800'

LATITUDE 39° 07' 30"
39° 10'

LONGITUDE 79° 50'
79° 52' 30"



FILE NO. 5 - 55
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS
ELEV. 1791'

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 MINES.
 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE MARCH 10, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 001 - 1744
 STATE COUNTY PERMIT

Received
 Office of Oil & Gas
 AUG 20 2015

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 1998' WATER SHED GLADY CREEK
 DISTRICT GLADE COUNTY BARBOUR
 QUADRANGLE BELINGTON 7.5' 5-52
 SURFACE OWNER CARL PHILLIPS ACREAGE 288.5
 OIL & GAS ROYALTY OWNER CARL PHILLIPS LEASE ACREAGE 152.5 **10/09/2015**
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON - ELK ESTIMATED DEPTH 5600'
 WELL OPERATOR TRIO PETROLEUM CORP DESIGNATED AGENT E.A. BROOME
 ADDRESS RT. 76 BOX 35E ADDRESS RT. 76 BOX 35E
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

Barlow
1744

101744P

WW-4A
Revised 6-07

256082
100

1) Date: June 15, 2015
2) Operator's Well Number
PHILLIPS A 1
3) API Well No.: 47 - 001 - 01744

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: (a) Name Richard & Linda Jones, Address 750 Valley Bend Rd, Belington, WV 26250. 5) (a) Coal Operator Name, Address. (b) Coal Owner(s) with Declaration Name, Address. (c) Coal Lessee with Declaration Name, Address. 6) Inspector Kenneth Greynolds, Address 613 Broad Run Rd, Jane Lew, WV 26378, Telephone 304-206-6613.

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: Mike Scarbrough
Its: Surface Landman
Address: PO Box 8, Ravenswood, WV 26164
Telephone: 304-273-5371

Received
Office of Oil & Gas

AUG 20 2015



Subscribed and sworn before me this 15th day of June, 2015
Sandra G. Wilson Notary Public

My Commission Expires 7/22/2020

Oil and Gas Privacy Notice

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

10/09/2015

SURFACE OWNER WAIVER

Operator's Well
Number

PHILLIPS A 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 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 **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 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.

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,

Received
Office of Oil & Gas
AUG 20 2015

Richard & Linda Jones
Signature

Date 7/27/15 Name _____
By _____
Its _____

JUL 29 2015

Signature Date
10/09/2015
Date

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EXCO Resources (PA), LLC OP Code 307860

Watershed (HUC 10) Glady Creek Quadrangle Belington 7.5'

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: surface tank will be used

Will a synthetic liner be used in the pit? Yes No If so, what ml.?

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 _____)

Will closed loop system be used? If so, describe: _____

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. _____

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

Additives to be used in drilling medium? _____

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

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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 Mike Scarbrough

Company Official (Typed Name) Mike Scarbrough

Company Official Title Surface Landman



Subscribed and sworn before me this 31 day of July, 2015

Shelly Welling Notary Public

My commission expires 11/19/18

Office of Oil & Gas
AUG 20 2015

10/09/2015

EXCO Resources (PA), LLC

Proposed Revegetation Treatment: Acres Disturbed >1 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type _____

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|---------------|----------|----------------|----------|
| Seed Type | lbs/acre | Seed Type | 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 (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Fernando Aguado*

Comments: RESERVA, SEED + MULCH BSAP

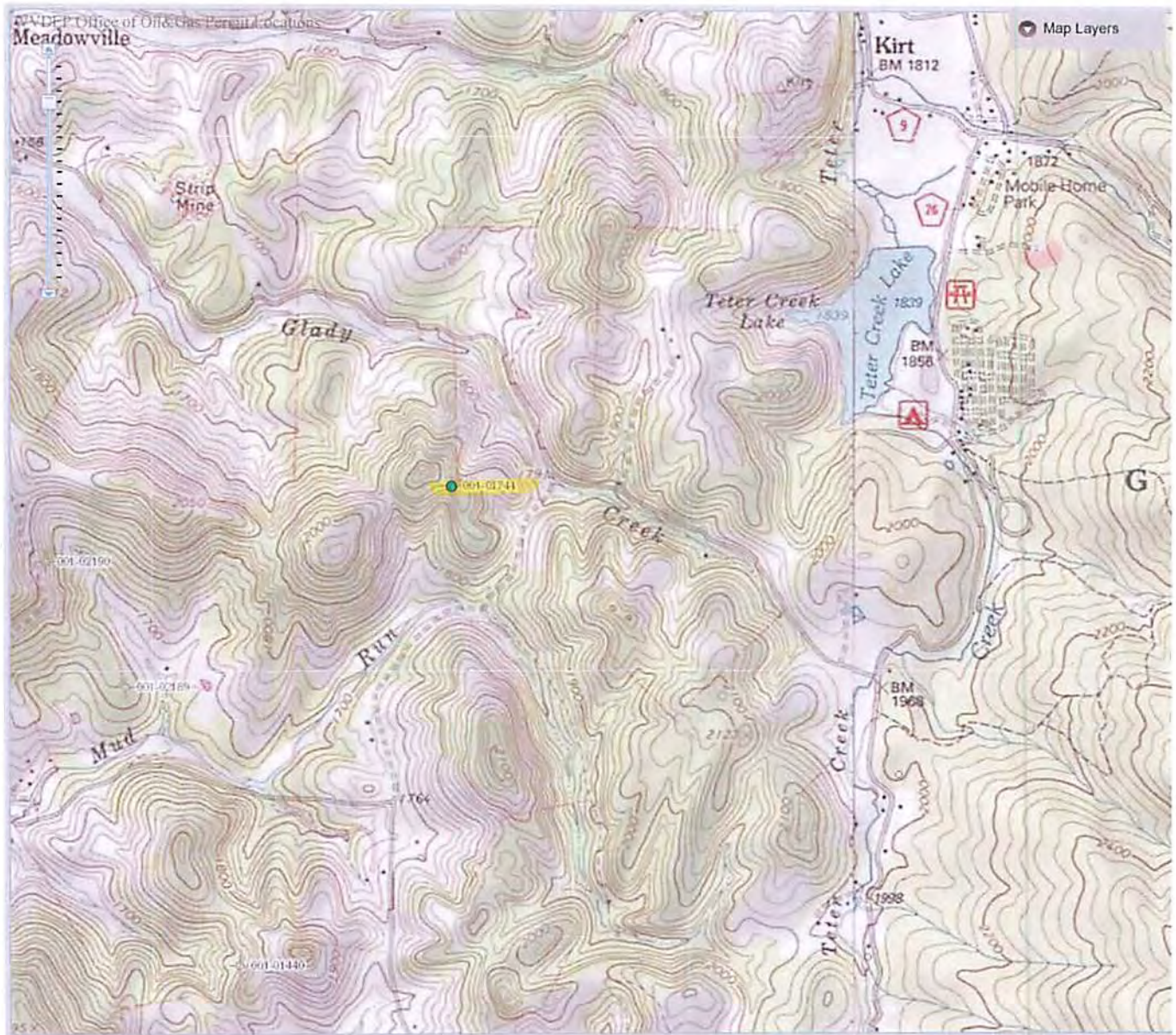
Title: OIL & GAS INSPECTOR

Date: 8-11-15

Field Reviewed? () Yes (U) No

Received
Office of Oil & Gas
AUG 20 2015

101744P



Attribute Search Results Legend Location Search About

| API | Permit Type | Received | Issued | Complete | Operator | Formation | Well Status | Well Type | Well Use | Farm Name |
|-----------|-------------|----------|------------|----------|---------------------------|---------------|-------------------------------|---------------|---------------|----------------|
| 001-01744 | Other Well | NA | 1982-10-30 | NA | EXCO RESOURCES (WV), INC. | Not Available | Abandoned/Order Not Available | Not Available | Not Available | PHILLIPS, CARL |
| 001-01744 | Other Well | NA | 1982-10-30 | NA | EXCO RESOURCES (WV), INC. | Not Available | Abandoned/Order Not Available | Not Available | Not Available | PHILLIPS, CARL |

Received
Office of Oil & Gas
AUG 20 2015

10/09/2015

6/30/2015

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-001-01744 WELL NO.: PHILLIPS 1

FARM NAME: CARL PHILLIPS

RESPONSIBLE PARTY NAME: EXCO RESOURCES (PA), LLC

COUNTY: BARBOUR DISTRICT: GLADE

QUADRANGLE: BELINGTON

SURFACE OWNER: RICHARD & LINDA JONES

ROYALTY OWNER: LINDA L JONES

UTM GPS NORTHING: 4328705

UTM GPS EASTING: 595814 GPS ELEVATION: 1349'

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:

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

Survey grade GPS : Post Processed Differential
Real-Time Differential

Mapping Grade GPS : Post Processed Differential
Real-Time Differential

- 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.

Mike Scarborough
Signature

Surface Landman
Title

8/24/15
Date

Received
AUG 24 2015
Office of Oil and Gas
WV Dept. of Environmental Protection