

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

September 02, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3902404, 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 penalities 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

Operator's Well No: 1

Farm Name: MOLES, ERMA

API Well Number: 47-3902404

Permit Type: Plugging

Date Issued: 09/02/2015

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.

WW-4B Rev. 2/01

| 1) Date June 15 | | | , | 20 15 |
|-----------------|-------|--------|---|---------|
| 2) Operator | | | | |
| Well No. | MOLES | 1 | | |
| 3) API Well | No. | 47-039 | | - 02404 |

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

| 5) | Location: Ele | evation 981' | Watershed Willis Creek | | |
|----|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|--|
| | | strict Elk | County Kanawha | Quadrangle Clendenin | |
| 6) | Well Operator | EXCO Resources (PA), LLC | 7)Designated Age | nt Diana Stamper/C.T. Corp Systems | |
| | | PO Box 8 | Addre | 55 5400 D Big Tyler Road | |
| | | Ravenswood, WV 26164 | | Charleston, WV 25301 | |
| 8) | | nspector to be notified | 9)Plugging Contr | ractor | |
| | Name Terry U | | Name | | |
| | Address PO Box 1207 | | Address | | |
| | 13. 3. 3. 3. 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. | ndenin, WV 25045 | Address_ | | |
| | Cler Work Order: | The work order for the man | _ | | |
| | Cler | The work order for the man | _ | | |
| | Work Order: Pull all tubing RIT to TD 2075 | The work order for the man | nner of plugging th | | |
| | Work Order: Pull all tubing RIT to TD 2075 Cement 2075 | The work order for the man and rods | nner of plugging th | nis well is as follows: | |
| | Work Order: Pull all tubing RIT to TD 2075 Cement 2075 Pull tubing & 6 | The work order for the man and rods , Gel hole - 1880' to cover perfs 2 | aner of plugging the 23 sks cement 1250' - 1 | nis well is as follows: | |
| | Work Order: Pull all tubing RIT to TD 2075 Cement 2075 Pull tubing & o | The work order for the man and rods , Gel hole ' - 1880' to cover perfs 2 cut 4 1/2 at 1200'. RIT c | 23 sks cement 1250' - 1 | nis well is as follows: | |
| | Work Order: Pull all tubing RIT to TD 2075 Cement 2075 Pull tubing & o Pull tubing to Pull tubing to | The work order for the man and rods , Gel hole - 1880' to cover perfs 2 cut 4 1/2 at 1200'. RIT company 250'. Cement 950' - 850'. | 23 sks cement 1250' - 1' 0' 25 sks | nis well is as follows: | |
| | Work Order: Pull all tubing RIT to TD 2075 Cement 2075 Pull tubing & o Pull tubing to Pull tubing to Pull tubing to | The work order for the man and rods ', Gel hole ' - 1880' to cover perfs 2 cut 4 1/2 at 1200'. RIT c 950'. Cement 950' - 850 | 23 sks cement 1250' - 1' 0' 25 sks 0' 28 sks | nis well is as follows: | |

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

Work order approved by inspecto

Date 630

09/04/2015

dam 00-10



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

| Rotary | X |
|-------------|---|
| Spudder | |
| Cable Tools | |
| Storage | |

KAN-2404

WELL RECORD

| OII | or | Gns | Well Oil |
|-----|----|-----|----------|
|-----|----|-----|----------|

| Company Ma | nous of 7 | | | | Andrew Control of the | | Gns Well Oil (KIND) |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|---------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| Address . O. | Box 1228 | , Parkers | burg, W.Va. | Casing and Tubing | Used in Drilling | Left in Well | Packers |
| ram Erma | Moles | | Acres 12-3/4 | Size | | - | |
| Location (waters) | Wills | Creek | | 16 | | | Kind of Packer |
| Well No | 1 | · | Elev. 981 | | | | |
| District E1 | k | CountyK | anawha | 10 | | | Size of |
| | | | apman | жк8-5/8" | | 5/10 | |
| | | | | | Cement | | |
| Mineral rights are | e owned by | | | 5 3/16 | ····· | | |
| Dellias | 5/28/ | Nddress | | 41/2 | | | |
| Drilling commen | 5/31/ | 69 | | | | | Perf. top |
| Drilling completed 5/31/69 Date Shot From To With Open Flow /10ths Water in Inch | | | | | | | Perf. bottom |
| | | | | | , | F | Perf. top |
| | | | | Attack some of | | | Perf. bottom |
| 1.00 | | | Inch | | cementing record | | (12/10) |
| | | | | CASING CEMI | ENTED | SIZE 2074 | No. Ft. 6/1/69 Dat |
| Rock Pressure | | lbe | Cu. Ft. | Amount of ceme | ent used (bags) | 120 | |
| oil. S | Show | | bbls., 1st 24 hrs. | | | | |
| WELL ACIDIZE | D (DETAILS) | | bbis., 1st 24 hrs. | | | | FEETINCHE |
| | | | | FEE | TINC | HES | FEETTNCHE |
| WELL FRACTU | RED (DETAILS | 41,500 | # 20/40 Sa | nd & 41.50 | O gallon | s gelled | FEET INCHE |
| | | | | | | | |
| Producing Sand | Big Inj | un | | Salt Water | Depth | 1934-197 | 75 |
| . Otherwood | Color | Hard or | | | | | |
| | Color | Hard or Soft | Тор | Bettom | Oll, Gas or Water | Depth | Remarks |
| Rock & Sa Rock & Shale & Shale & Salt Sand Little Li Pencil Ca Big Lime Big Injur Shale | and hale Sand d ime ave | | Top 0 25 240 1160 1755 1790 1795 1934 1975 | | | Depth | eived |

WW-4A Revised 6-07



| 1) | Date: | June 15, 2015 | |
|----|----------|----------------|--|
| 2) | Operator | 's Well Number | |
| | N | IOLES 1 | |

3) API Well No.: 47 -

039

02404 P

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

| Address | Thomas Livingston | Name | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Ivanie | |
| The state of the s | 67 Coco River | Address | |
| (b) Name | Elkview, WV 25071 | | |
| | | (b) Coal Owner(s) wi | th Declaration |
| Address | | Name | |
| 9 | | Address | |
| (c) Name | | Name | |
| Address | | Address | |
| 6) Inspector | Terry Urban | (c) Coal Lessee with | Declaration |
| | PO Box 1207 | Name | Declaration |
| Address | Clendenin, WV 25045 | Address | |
| Telephone | 304-549-5915 | | |
| rerephone | | - | |
| TOL . | and the later of the same to the same to the | to the Real Research | and the second s |
| Take notice th accompanying Protection, wit the Applicatio | are not required to take any action at all. at under Chapter 22-6 of the West Virginia Code documents for a permit to plug and abandon a v th respect to the well at the location described or | e, the undersigned well operator properly with the Chief of the Office of Conthe attached Application and depic or certified mail or delivered by ha | are summarized in the instructions on the reverses side. soses to file or has filed this Notice and Application and il and Gas. West Virginia Department of Environmental ted on the attached Form WW-6. Copies of this Notice, and to the person(s) named above (or by publication in |
| Take notice th accompanying Protection, wit the Applicatio | are not required to take any action at all. at under Chapter 22-6 of the West Virginia Code documents for a permit to plug and abandon a v th respect to the well at the location described or n, and the plat have been mailed by registered stances) on or before the day of mailing or delive | e, the undersigned well operator properly with the Chief of the Office of Conthe attached Application and depic or certified mail or delivered by harry to the Chief. EXCO RESOURCES (PA), LLC | loses to file or has filed this Notice and Application and if and Gas, West Virginia Department of Environmental ted on the attached Form WW-6. Copies of this Notice, and to the person(s) named above (or by publication in |
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Oil and Gas Privacy Notice

My Commission Expires

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.

WW-9 (2/15)

API Number 47 - 039

Operator's Well No. MOLES 1

- 02404

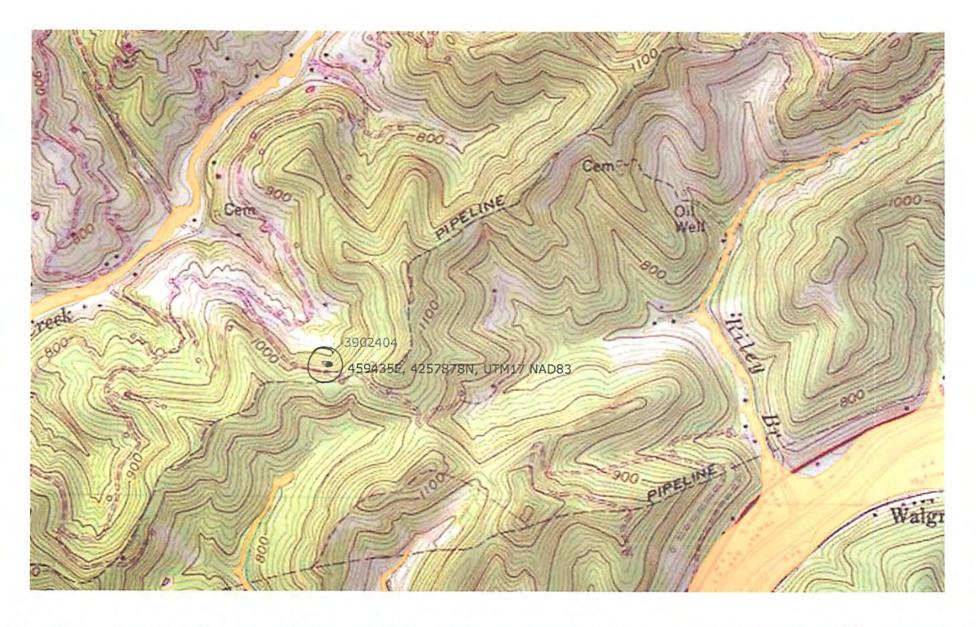
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name EXCO Resources (PA), LLC | OP Code 307860 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Watershed (HUC 10) Willis Creek | Quadrangle Clendenin |
| Do you anticipate using more than 5,000 bbls of water to comp | plete the proposed well work? Yes No |
| Will a pit be used? Yes No V | |
| If so, please describe anticipated pit waste:surface | tank will be used |
| Will a synthetic liner be used in the pit? Yes | No V If so, what m.? |
| Proposed Disposal Method For Treated Pit Wastes: | 146-30-15) |
| Land Application | |
| Underground Injection (UIC Perm Reuse (at API Number | it Number) |
| Off Site Disposal (Supply form W | W-9 for disposal location) |
| Other (Explain_ | |
| | ANY WELL REPLUBLY MUST |
| Will closed loop system be used? If so, describe: | ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS & DISPOSED OF PROPER |
| Drilling medium anticipated for this well (vertical and horizon | ntal)? 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 | d offsite, etc. |
| -If left in pit and plan to solidify what medium will b | e used? (cement, lime, sawdust) |
| -Landfill or offsite name/permit number? | |
| | Gas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose |
| on August 1, 2005, by the Office of Oil and Gas of the West V provisions of the permit are enforceable by law. Violations law or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, base | conditions of the GENERAL WATER POLLUTION PERMIT issued Virginia Department of Environmental Protection. I understand that the of any term or condition of the general permit and of other applicable by examined and am familiar with the information submitted on this ed on my inquiry of those individuals immediately responsible for true, accurate, and complete. I am aware that there are significant bility of fine or imprisonment. |
| Company Official Signature Mike Searly | |
| Company Official (Typed Name) Mike Scarbrough | OFFICIAL SEAL NOTARY PUBLIC |
| Company Official Title Surface Landman | STATE OF WEST VIRGINIA SHELLY WELLING RR 1, Box 120 Given, West Virginia 25245 |
| Subscribed and sworn before me this day of | My Corne is sion Expires Nov. 19, 2018 |
| Shelly Welling | Notary Public |
| My commission expires 11/19/18 | 09/04/2015 |

Operator's Well No. MOLES 1

| Fertilizer type | | >1 Prevegetation pH | | | |
|---------------------|-----------------------|---------------------|--------------------------------------------|--|--|
| | Tons/acre or to corre | ect to pH 6.5 | | | |
| E | | | | | |
| Fertilizer amount 3 | 00 | lbs/acre | | | |
| Mulch 2 | | Tons/acre | | | |
| | | Seed Mixtures | | | |
| Ter | mporary | Permanent | | | |
| Seed Type | lbs/acre | Seed Type | lbs/acre | | |
| KY 31 Fescue | 40 | same as Area I | | | |
| Alsike Clover | 5 | | | | |
| Annual Rye | 16 | | | | |
| /- | uy W llila | | | | |
| Comments: | | | | | |
| | | | | | |
| | | | Received | | |
| | | Offic | e of Oil & Ga | | |
| | | Offic | Received e of Oil & Gas nic 2 0 2015 | | |

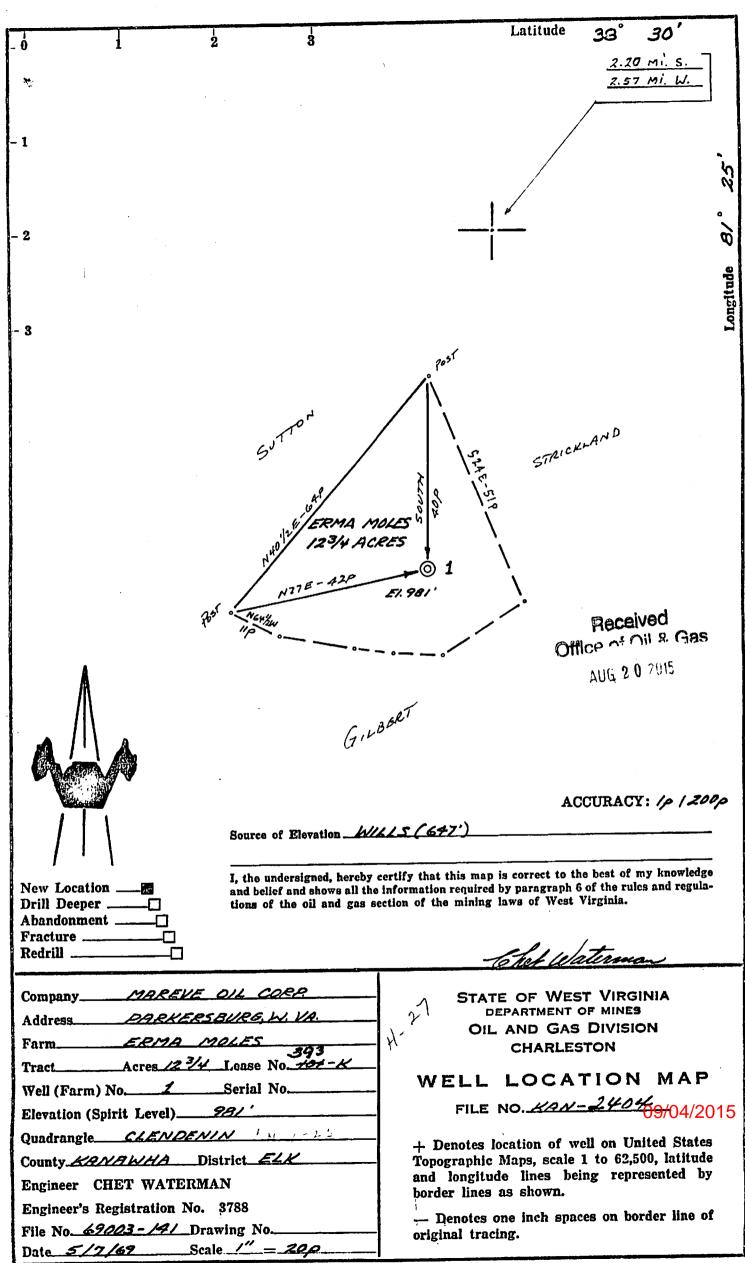


WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

| WELL LOCATION | FORM: GPS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| API: 47-039-02404 | WELL NO.: MOLES |
| FARM NAME: ERMA MOLES | |
| RESPONSIBLE PARTY NAME: EXCO | RESOURCES (PA), LLC |
| COUNTY: KANAWHA | DISTRICT: ELK |
| QUADRANGLE: CLENDENIN | |
| SURFACE OWNER: THOMAS LIVII | NGSTON |
| ROYALTY OWNER: PHYLLIS ROV | VE ET AL |
| UTM GPS NORTHING: 4257878 | |
| UTM GPS EASTING: 459435 | GPS ELEVATION: 906' |
| The Responsible Party named above has chosen preparing a new well location plat for a plugging above well. The Office of Oil and Gas will not at the following requirements: 1. Datum: NAD 1983, Zone: 17 North, 6 height above mean sea level (MSL) – 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Difference of the processed of | permit or assigned API number on the ecept GPS coordinates that do not meet Coordinate Units: meters, Altitude: meters. |
| Real-Time Differen | |
| Mapping Grade GPS X: Post Processed I Real-Time Diffe | Office of Oil and o |
| 4. Letter size copy of the topography of the undersigned, hereby certify this data is corresplied and shows all the information required by prescribed by the Office of Oil and Gas. | map showing the well location. ect to the best of my knowledge and law and the regulations issued and |
| Mike Searling Surface Signature | e Landman 8/24/15 Title Date |



Man. 7 404