



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 27, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-9502192, issued to COMMONWEALTH ENERGY INC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

A blue ink signature of James Martin, Chief, is written over the text.

James Martin
Chief

Operator's Well No: L. MCINTYRE #1
Farm Name: MCINTYRE, ROGER L.
API Well Number: 47-9502192
Permit Type: Vertical Well
Date Issued: 06/27/2014

Promoting a healthy environment.

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

CK 48893
6500

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

95 5 286

1) Well Operator: Commonwealth Energy, Inc. 310248 Tyler McElroy Center Point 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: L. McIntyre #1 3) Elevation: 1,192'

4) Well Type: (a) Oil _____ or Gas X
(b) If Gas: Production X / Underground Storage _____
Deep _____ / Shallow X

5) Proposed Target Formation(s): Gordon Proposed Target Depth: 3200'
6) Proposed Total Depth: 3250 Feet Formation at Proposed Total Depth: Gordon
7) Approximate fresh water strata depths: 100'
8) Approximate salt water depths: 2384'

9) Approximate coal seam depths: 420', 703', & 990'

10) Approximate void depths, (coal, Karst, other): None listed in offset well data

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Drill and fracture stimulate new shallow, conventional production well.

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor	11 3/4"			140'	140' 150' MGS	CTS
Fresh Water						
Coal	7"			1,200'	1,200' 1160'	CTS
Intermediate						
Production	4 1/2"			3,250'	3,250'	150 Sacks
Tubing						
Liners						

Packers: Kind: _____
Sizes: _____
Depths Set _____

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Office of Oil and Gas
MAY 27 2014
WV Department of Environmental Protection

9502192

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Tyler

Operator
Operator well number

Commonwealth Energy, Inc.
L. McIntyre #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Roger L. McIntyre Date 5-21-14
Signature

Company Name
By
Its

Roger L. McIntyre
Print Name

RECEIVED
Office of Oil and Gas

MAY 27 2014 Date

WV Department of Environmental Protection
Signature Date

WW-2A1
(Rev. 1/11)

Operator's Well Number L. McIntyre #1

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Martha Jo Keller	Commonwealth Energy, Inc.	0.03125	370/528
Sharon L. Bland	Commonwealth Energy, Inc.	0.03125	370/531
Terry Martin	Commonwealth Energy, Inc.	0.03125	370/525
Susan Joiner	Commonwealth Energy, Inc.	0.03125	372/183

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: _____
 By: Its: Enzo Cardelli, Designated Agent

WW-2B1
(5-12)

Well No. L. McIntyre #1

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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

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

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

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

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

Certified Laboratory Name Rellance Labs
Sampling Contractor Smith Land Surveying, Inc. - Environmental Division

Well Operator Commonwealth Energy, Inc.
Address P.O. Box 432
Mt. Morris, PA 15349
Telephone 724-324-2283

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

NOTE: There appears to be 3 potable water sources within 1,500', therefore tests will be offered and samples taken as required.

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OPERATOR: CommonWealth Energy, Inc.

LEASE NAME AND NUMBER: L. McIntyre # 1

COMMENTS

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1000' of the proposed well site. The following landowners will be notified of the opportunity to request a water sample.

*Please note that the following information is subject to change upon field inspection.

INDIVIDUAL CONTACTED OR NOTIFIED

Owner/Occupant: Lester McIntyre

Address: HC 62 Box 24, Jacksonburg, WV. 26377 Letter/Notice Date: _____

Comments: Map 9 Par # 25

Owner/Occupant: David Russell & Dan Jeffrey Baker

Address: 4559 Eagle Creek Rd., Leavittsburgh, OH. 44430 Letter/Notice Date: _____

Comments: Map 9 Par # 27 & 28

Owner/Occupant: * CommonWealth Energy Inc.

Address: PO Box 432, Mount Morris, PA. 15349 Letter/Notice Date: _____

Comments: Northing: 39° 27' 22.9"

Easting: 80° 38' 34.0"

Map 9 Par # 37

Owner/Occupant: _____

Address: _____ Letter/Notice Date: _____

Comments: _____

Owner/Occupant: _____

Address: _____ Letter/Notice Date: _____

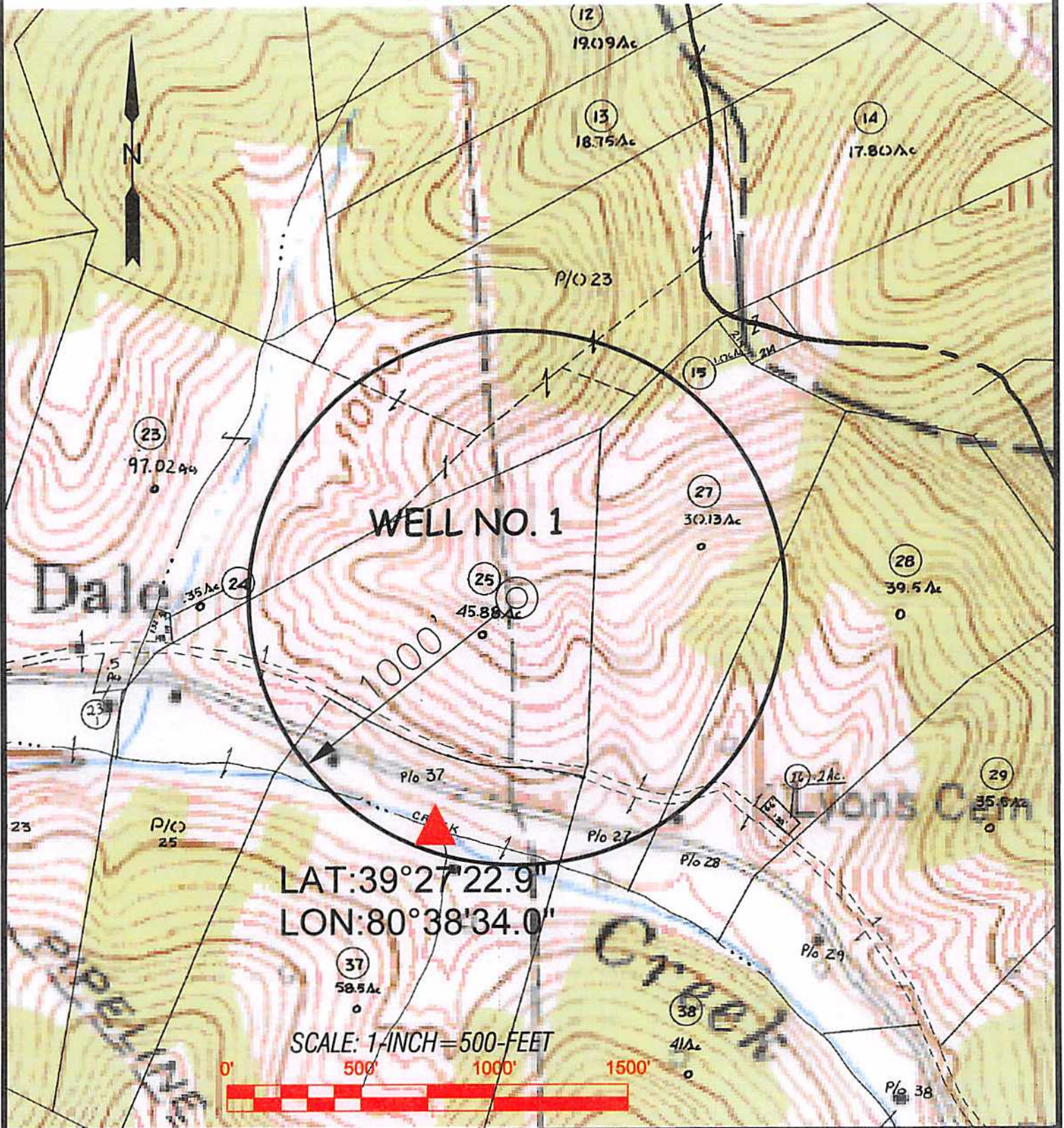
Comments: _____

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Office of Oil and Gas

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WV Department of
Environmental Protection

L. McINTYRE LEASE WELL NO. 1



LAT: 39° 27' 22.9"
LON: 80° 38' 34.0"

SCALE: 1 INCH = 500 FEET



Professional Energy Consultants
A DIVISION OF SMITH LINDSAY SURVEYORS

SLS
SURVEYORS PROJECT ENGINEERS ENVIRONMENTAL

2350 Daley Station Road
P.O. Box 138
Glenview, IL 60047
(847) 671-8911

3300 Daley Station Road
Shawnee, KS 66201
(913) 671-8911

INDUSTRY LEADERSHIP QUALITY

DRAWN BY K.G.M.	FILE NO. 7996	DATE 05/23/14	CADD FILE: 7996WS1R.dwg
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TOPO SECTION OF:
CENTER POINT, WV 7.5' QUAD.

COUNTY	DISTRICT	TAX MAP-PARCEL NO.
TYLER	MCELROY	9 - 25

OPERATOR:
COMMONWEALTH ENERGY, INC
P.O. BOX 432
MORRIS, PA 15349

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Commonwealth Energy, Inc. OP Code 310248

Watershed (HUC 10) Indian Creek Quadrangle Center Point 7.5'

Elevation 1,192' County Tyler District McElroy

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

Will a pit be used for drill cuttings? Yes X No _____

If so, please describe anticipated pit waste: Drill Water, Frac Blow Back, & Various Formation Cuttings

Will a synthetic liner be used in the pit? Yes X No _____ If so, what ml.? 60

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 _____)

*MAG
5/21/14*

Will closed loop system be used? No

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

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

Additives to be used in drilling medium? None

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

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

-Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Enzo Cardelli*

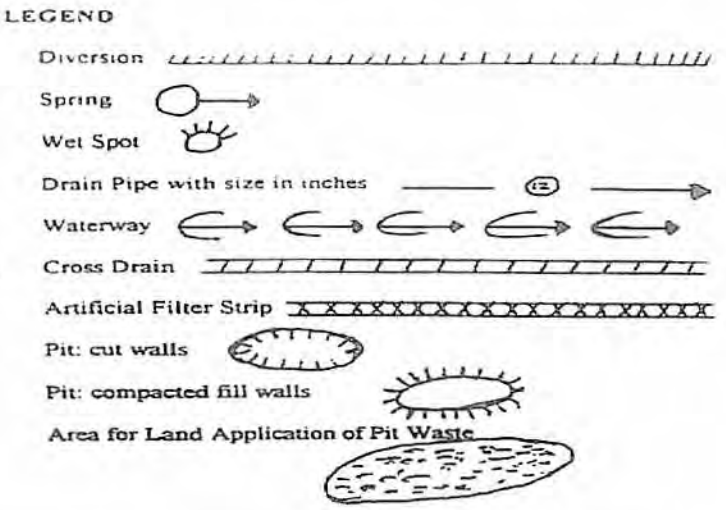
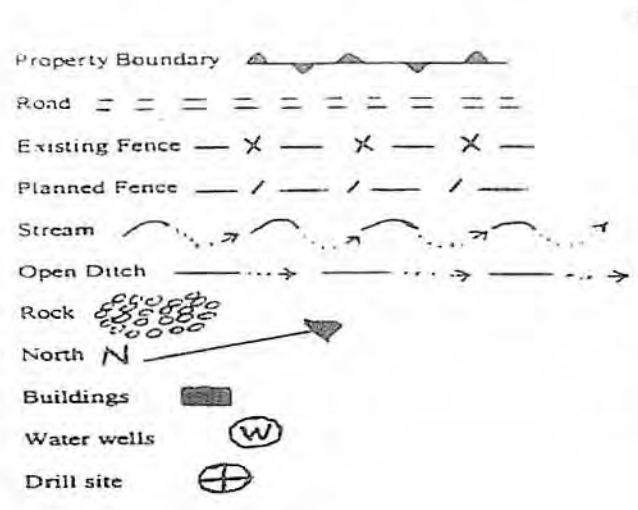
Company Official (Typed Name) Enzo Cardelli

Company Official Title Designated Agent



Subscribed and sworn before me this 21 day of May, 2014
Vicki A. Brown Notary Public, West Virginia Department of Environmental Protection

My commission expires April 9, 2024



Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)

Mulch HAY 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40	ORCHARD GRASS		15
ALSIKE CLOVER		5	ALSIKE CLOVER		5
ANNUAL RYE		15			

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael D. Hoff

Comments: Preseed & Mulch any disturbed areas per WVDPA regulations, Maintain & upgrade E&S as necessary.

Title: Oil & Gas Inspector

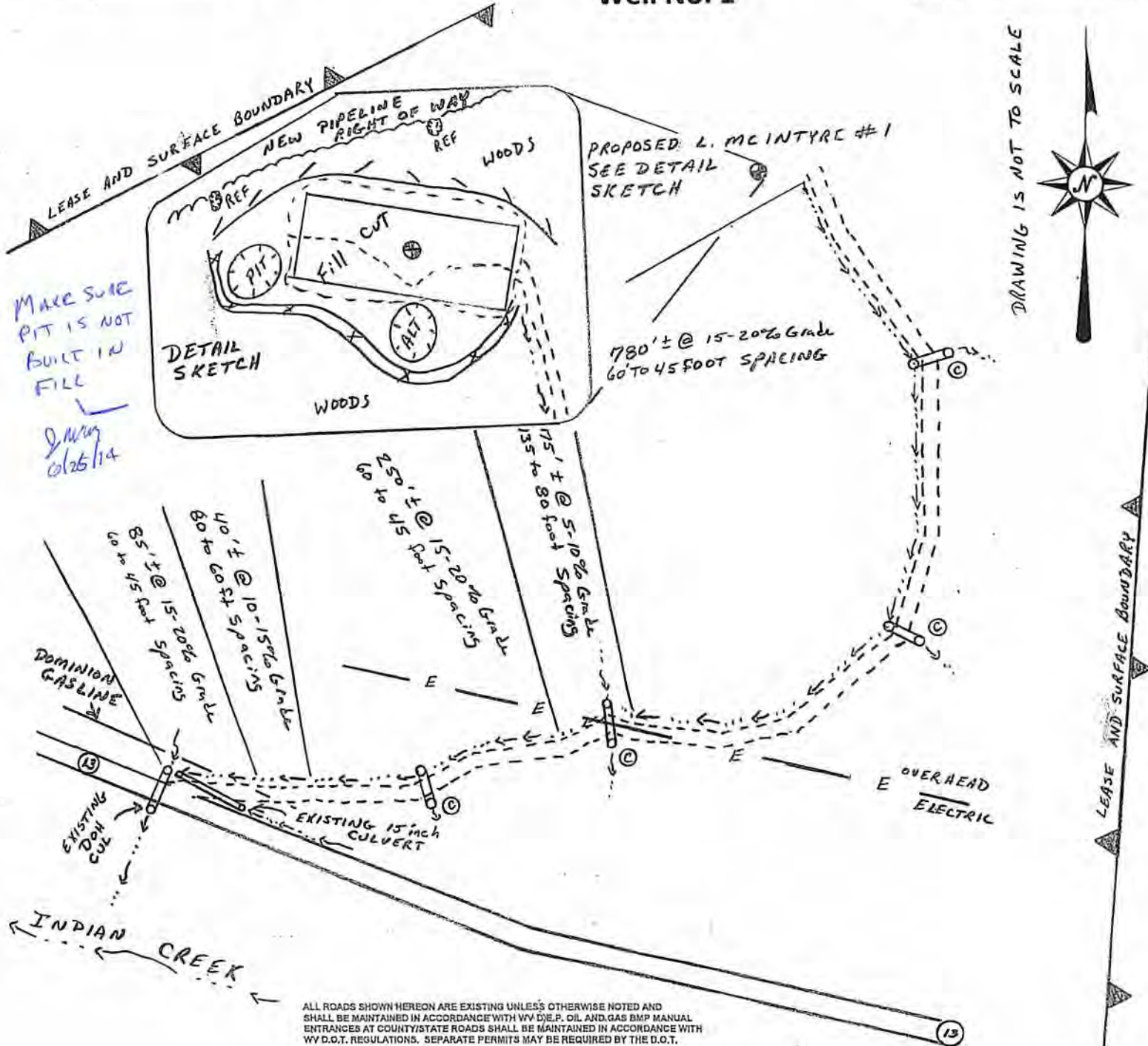
Date: 5/21/14

Field Reviewed? () Yes () No

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MAY 27 2014
WV Department of Environmental Protection

L. McIntyre Lease Well No. 1

DRAWING IS NOT TO SCALE



MAKE SURE
PIT IS NOT
BUILT IN
FILL
JMJ
02/25/14

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

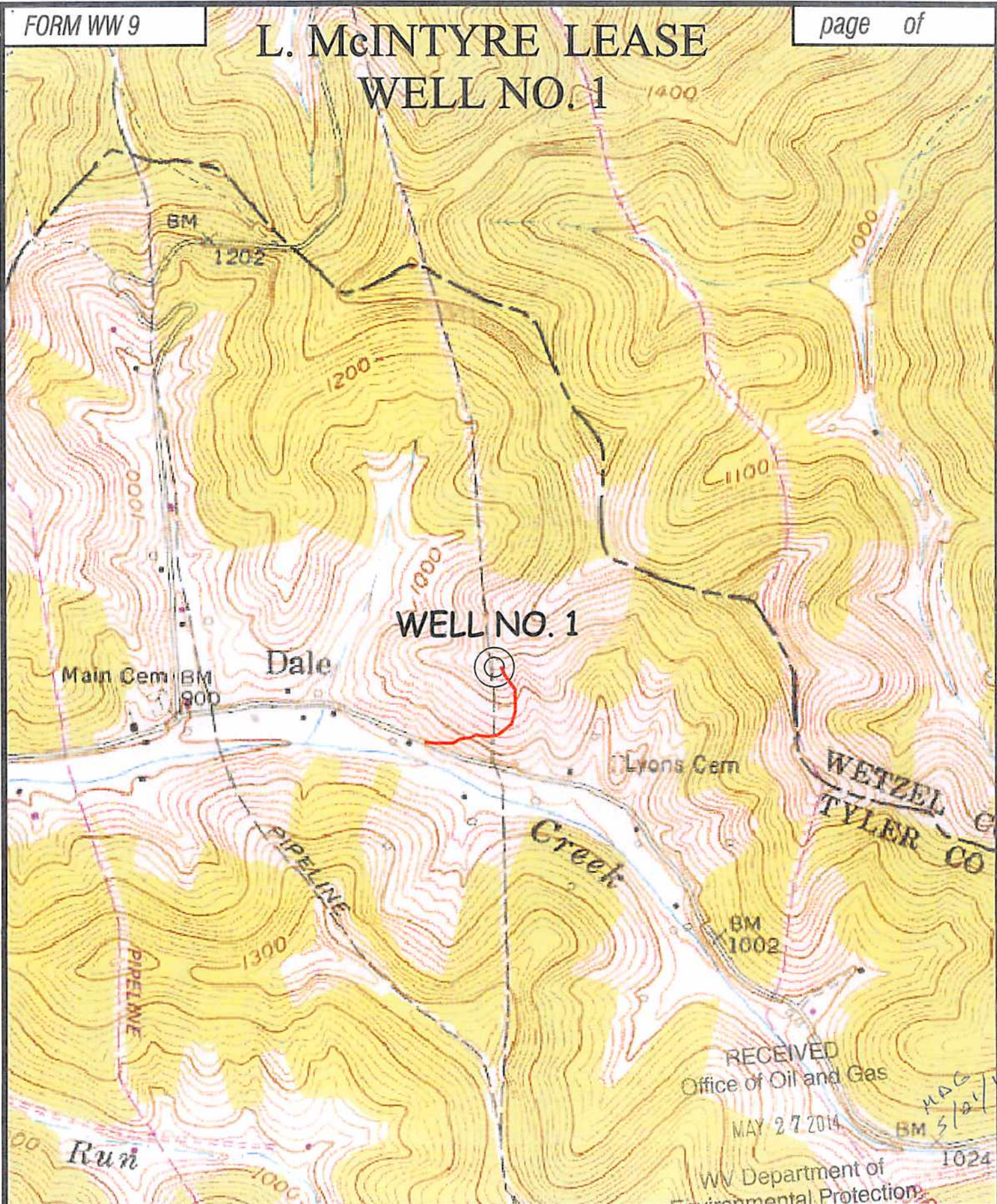
Ⓢ DENOTES INSTALL 12-inch MINIMUM DIAMETER CULVERT

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MAY 27 2014

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

Phone: (304) 462-5634 Fax: 462-5656 email: sls@slssurveys.com
WV Department of Environmental Protection
DRAWN BY MJH DATE 1-10-13 FILE NO. 7996

L. McINTYRE LEASE WELL NO. 1



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Office of Oil and Gas
MAY 27 2014

WV Department of
Environmental Protection

MAG
5/21/14
BM 1024

TOPO SECTION OF: CENTER POINT, WV 7.5' QUAD.

FILE NO.: 7996

DATE: 3/22/13

SCALE: 1"=1000'

Professional Energy Consultants
A DIVISION OF BATH LAND SURVEYING

Subsidiary
Public Works
P.O. Box 150
Canaan, TN 37030
(615) 438-9334

Engineers
Environmental
2005 Old Farm Station Road
Spartanburg, SC 29576
(803) 771-1511

Integrity. Integrity. Quality.

L. McINTYRE LEASE

45.88 ACRES±

WELL NO. 1

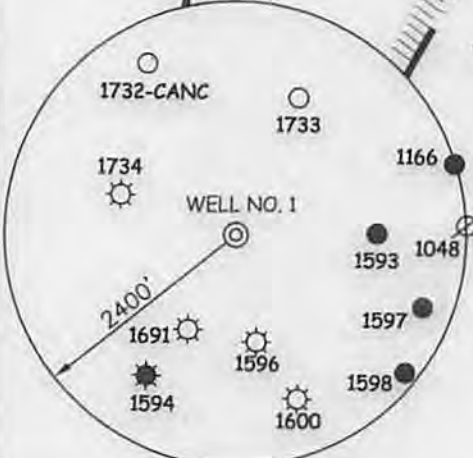


WELL NO. 1
STATE PLANE COORDINATES
(NORTH ZONE) NAD 27
 N. 351,246
 E. 1,677,637
LAT=(N) 39.45875
LONG=(W) 80.64173
UTM (NAD83)(METERS)
 N. 4,367,758
 E. 530,837

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01/09/13.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 188 AT PAGE 176 AND ADJOINING DEEDS.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN JULY, 2012.
5. WELL LAT./LONG. (NAD'27) 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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MARCH 21, 20 13
 OPERATORS WELL NO. L. McINTYRE #1
 API WELL NO. 47 - 95 - 02192
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7996PR1(444-59)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

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 1,192' WATERSHED INDIAN CREEK
 DISTRICT McELROY COUNTY TYLER QUADRANGLE CENTER POINT 7.5'

SURFACE OWNER ROGER L. McINTYRE (LESTER T. McINTYRE LIFE) ACREAGE 45.88±
 ROYALTY OWNER MARTHA KELLER, ET AL. LEASE ACREAGE 45.88±

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 GORDON
 ESTIMATED DEPTH 3,250'

WELL OPERATOR COMMONWEALTH ENERGY, INC. DESIGNATED AGENT ENZO CARDELLI
 ADDRESS P.O. BOX 432 MT. MORRIS, PA 15349 ADDRESS RT. 4 BOX 771 BUCKHANNON, WV 26201

LONGITUDE 80°37'30" 15,020' LAT. 39°27'31.5"