



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 12, 2014

WELL WORK PERMIT
Rework-Brine Disposal

This permit, API Well Number: 47-3902327, 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.

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.



James Martin
Chief

Operator's Well No: W. C. BOOKER 1
Farm Name: PRITT, CALVIN E. & PATRICIA
API Well Number: 47-3902327
Permit Type: Rework-Brine Disposal
Date Issued: 06/12/2014

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. 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 within 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.

WW - 2B
(Rev. 8/10)

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

1) Well Operator: EXCO Resources (PA), LLC 307860 Kanawha Elk Blue Creek
Operator ID County District Quadrangle

2) Operator's Well Number: 47-039-02327 3) Elevation: 716'

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

5) Proposed Target Formation(s): Big Injun/Salt Sand Proposed Target Depth: 1210-1340', 1688-1694'

6) Proposed Total Depth: 1815 Feet Formation at Proposed Total Depth: Salt Sand, Big Injun

7) Approximate fresh water strata depths: 75 feet

8) Approximate salt water depths: 1000 feet

9) Approximate coal seam depths: N/A

10) Approximate void depths,(coal, Karst, other): N/A

11) Does land contain coal seams tributary to active mine? N/A

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Pump 1500 gallon acid job to fracture acidize the injection formation to clean up perforations. Will use approximately 7.5% HCL and fresh water.

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						
Fresh Water	8 - 5/8	J-55	24#	246'	246'	247 sacks
Coal						
Intermediate						
Production	4 - 1/2	J-55	9.5#	1810'	1810'	150 sacks
Tubing	2 - 7/8	J-55	6.5#		1156'	
Liners						

Packers: Kind: Halliburton R-4

Sizes: 4 - 1/2 X 2 7/8

Depths Set 1156'

WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS
UNDERGROUND INJECTION CONTROL PROGRAM

UIC ROUTINE INSPECTION FORM

Operator: EXCO RESOURCES (WW), INC.
Farm Name: PRITT, CALVIN E.
Well Number: W. C. BOOKER 1

WELL DATA

County: Kanawha Latitude: 38° 30 min 0 sec 14000 feet
District: Elk Longitude: -81° 27 min 30 sec 8100 feet
Quad Number: 258 Quad Name: BLUE CREEK
Well Status: Active Well Well Status: Active
Well Use Type: Waste Disposal Date of Last Inspection: Jun 29, 2011
Fluid Type: Salt Water/Brine
Comments: Injecting at 270psi / No Flow or Pressure on annulus

Elevation: 715 feet
Fresh water Casing: 8 5/8 in. @ 246 ft./Cement to Surface
Injection Casing: 2 3/8 in. @ 1140 ft./ 0 (sks)
Injection Formations:
#1 - 3rd Salt Sand - Top @ 1210 ft./Bottom @ 1340 ft.
MIT Test Type: Annulus pressure passed
MIT Test Date: Jun 17, 2008

WELL OPERATION

Surface Injection Pressure: 350 Psi Gauged: ~~500~~
Injection Rate: 100 Barrels/Hr. Observed: _____
Annulus Monitoring: Size: 2 1/8 Size: ~~2 5/8~~
Flow or Pressure: No Flow No Pressure

COMMENTS:
MIT conducted / Pressured 2 3/2 x 1 5/8
to 525 psi for 20 minutes
- Passed

Signed: James Peters
District Oil and Gas Inspector
Date: 5/3/13

WW-2A
(Rev. 6-07)

1.) Date: April 2, 2014
2.) Operator's Well Number W.C. Booker #1
State 47- County 039 Permit 02327
3.) API Well No.:

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

4) Surface Owner(s) to be served:
(a) Name Calvin & Patricia Pritt
Address 649 Equine Drive
Elkview, WV 25071
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Terry Urban
Address P.O. Box 1207
Clendenin, WV 25045
Telephone 304-549-5915
5) (a) Coal Operator
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name N/A
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

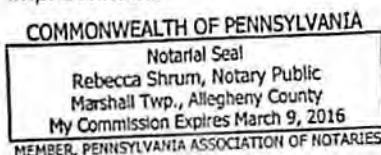
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- _____ Personal Service (Affidavit attached)
- X _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.



Well Operator EXCO Resources (PA), LLC
By: Brian E. Rushe, P.E.
Its: Designated Agent
Address 260 Executive Drive, Suite 100
Cranberry Township, PA 16066
Telephone 724-720-2590

Subscribed and sworn before me this 3RD day of April, 2014

Rebecca Shrum Notary Public
My Commission Expires March 9, 2016

RECEIVED
Office of Oil and Gas

Oil and Gas Privacy Notice

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

APR 04 2014
Environmental Protection

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. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Calvin & Patricia Prith 649 Equine Drive Elkview, WV 25071		B. Received by (Printed Name)	C. Date of Delivery
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
2. Article Number (Transfer from service label)		7012 2210 0001 9317 3621	
PS Form 3811, February 2004		Domestic Return Receipt <i>W.C. Booker #1</i>	
		102595-02-M-1540	

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE
CERTIFIED MAIL



7012 2210 0001 9317 3621
 7012 2210 0001 9317 3621

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 \$	<i>W.C. Booker #1</i> Postmark Here
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees \$	
Sent To <i>Calvin & Patricia Prith</i> Street, Apt. No.; or PO Box No. <i>649 Equine Drive</i> City, State, ZIP+4 <i>Elkview WV 25071</i>	
PS Form 3800, August 2006 See Reverse for Instructions	

**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
See Attached Land Owner Agreements			

**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.

RECEIVED
Office of Oil and Gas
APR 04 2014

Well Operator:
By: Its:

EXCO Resources (PA), LLC
 Brian E. Rushe, P.E.
 260 Executive Drive, Suite 100 Cranberry Township, PA 16066

WV Department of
Environmental Protection

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 Wills Creek Quadrangle Blue Creek

Elevation 716' County Kanawha District Elk

Description of anticipated Pit Waste: No Pit will be used. TU 6-4-13

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

Will a synthetic liner be used in the pit? N/A. If so, what mil.? N/A

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 _____)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. NO

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

Additives to be used? N/A

Will closed loop system be used? NO

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

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

-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.

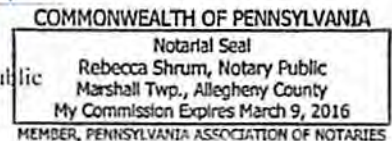
Company Official Signature Brian E. Rushe

Company Official (Typed Name) Brian E. Rushe, P.E.

Company Official Title Construction & Regulatory Manager

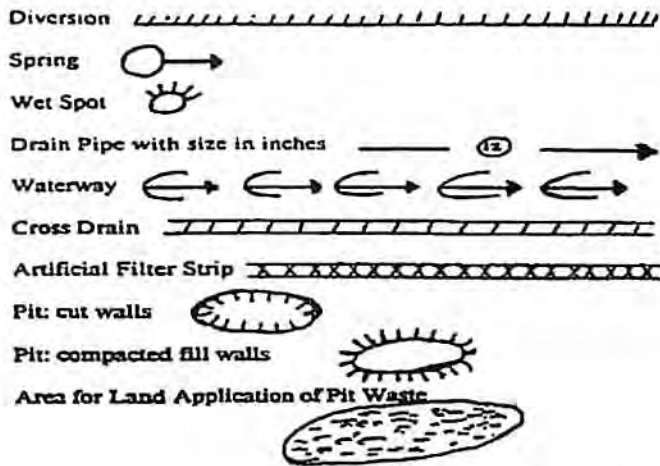
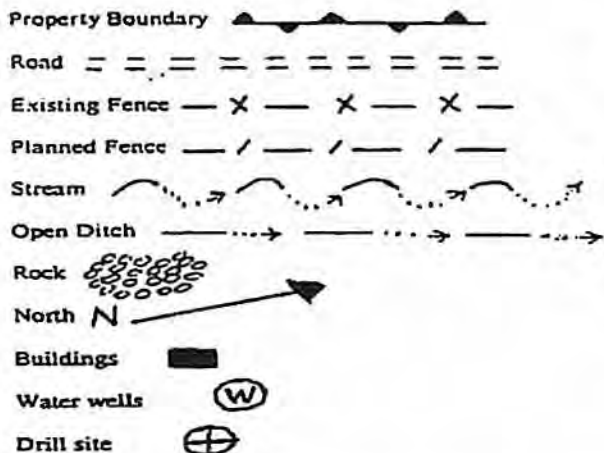
Subscribed and sworn before me this 3RD day of APRIL, 2014

Rebecca Shrum Notary Public



My commission expires March 9, 2016

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.0 Prevegetation pH N/A

Lime N/A Tons/acre or to correct to pH N/A

Fertilizer (10-20-20 or equivalent) N/A lbs/acre (500 lbs minimum)

Mulch N/A Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
N/A			N/A		

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

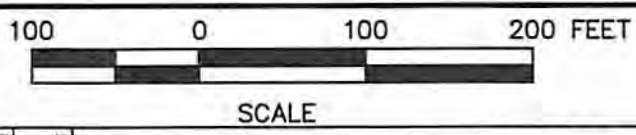
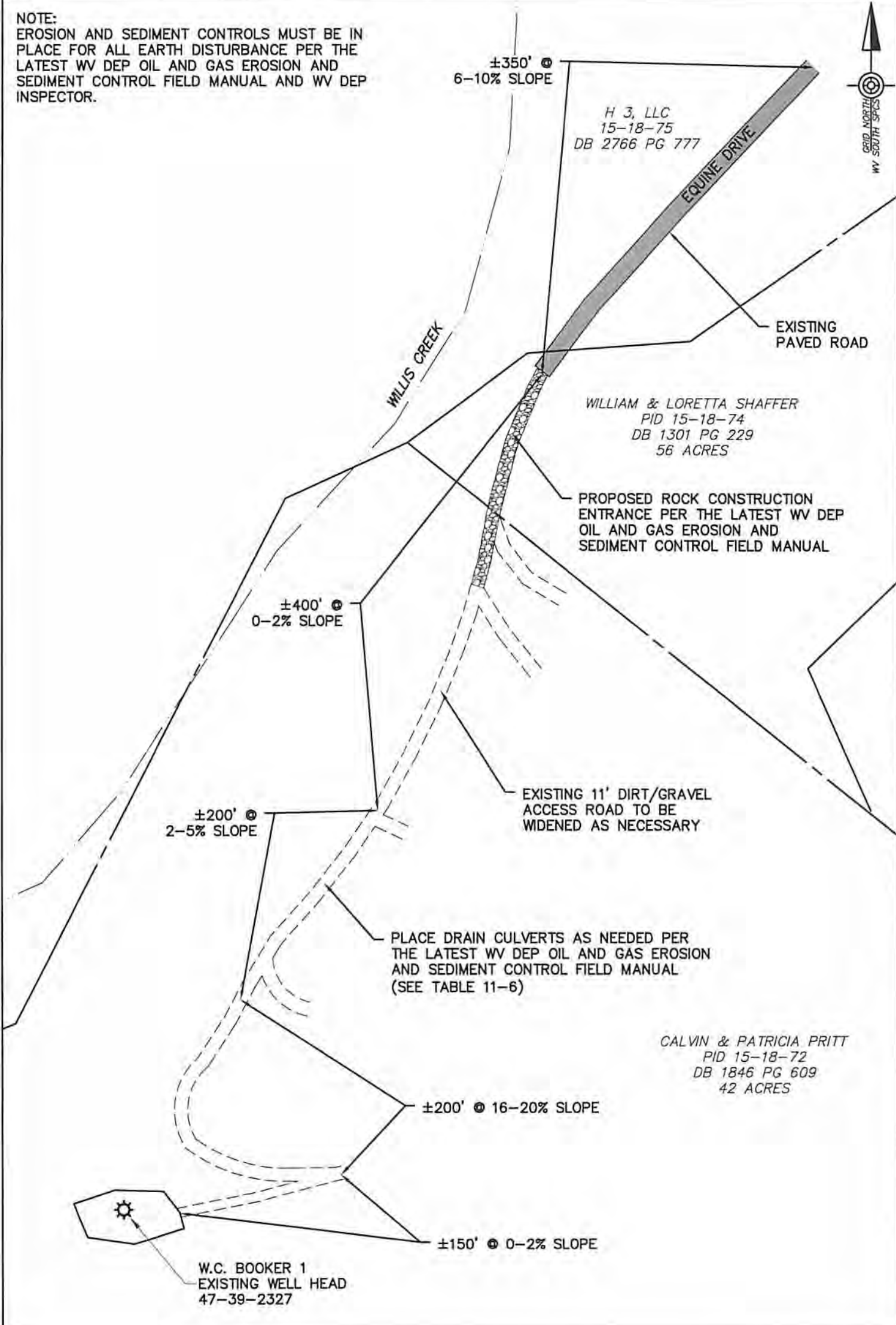
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]
Comments: _____

Title: Inspect Dele Co Date: 6-4-14

Field Reviewed? Yes No

NOTE:
EROSION AND SEDIMENT CONTROLS MUST BE IN PLACE FOR ALL EARTH DISTURBANCE PER THE LATEST WV DEP OIL AND GAS EROSION AND SEDIMENT CONTROL FIELD MANUAL AND WV DEP INSPECTOR.



It is a violation of the law for any person, unless acting under the direction of a licensed Architect, Engineer or Land Surveyor, to alter in any way. Plans, maps, specifications, studies, and reports not containing a red ink seal imprint on the cover sheet accompanied by an original signature by the licensed professional may have been fraudulently altered and shall not be considered an original copy. Copyright Protected 2013, Larson Design Group.

06/13/2014

RECLAMATION PLAN W.C. Booker 1

ELK DISTRICT, KANAWHA COUNTY, WEST VIRGINIA

EXCO RESOURCES, INC
P.O. BOX 8
RAVENSWOOD, WV 26164
PHONE (304) 273-5371
DATE: 8/9/13 DRAWN BY: CAB CHECKED BY: THK

Larson Design Group • Architects Engineers Surveyors
2502 Cranberry Square
Morgantown, WV 26508
PHONE 877.323.6603
FAX 570.323.9902 • www.larsondesigngroup.com



PROJECT NO.: 8013-008
SHEET NO.: 1 of 2

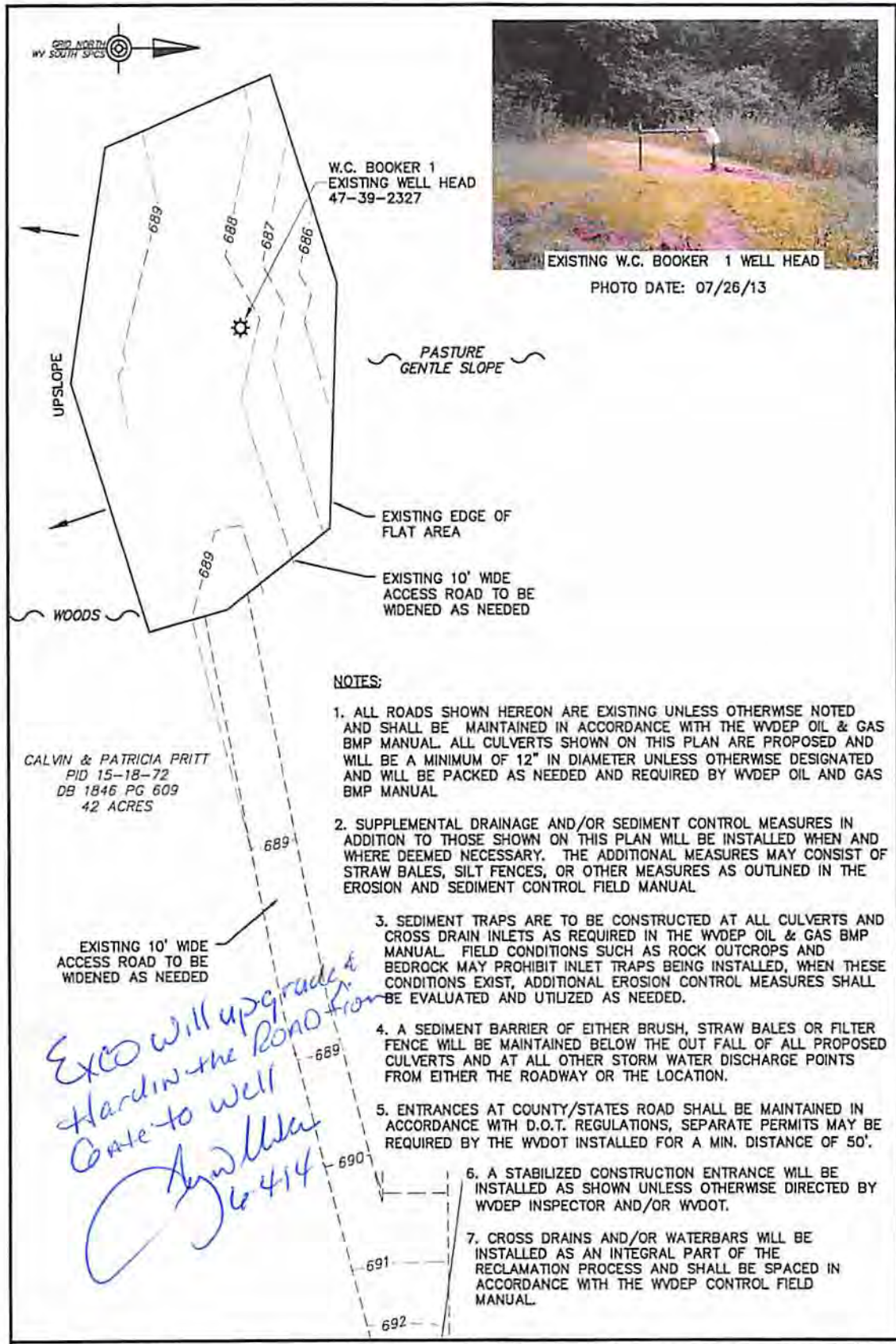
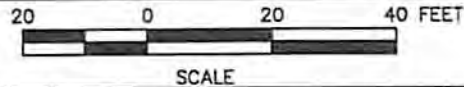


PHOTO DATE: 07/26/13

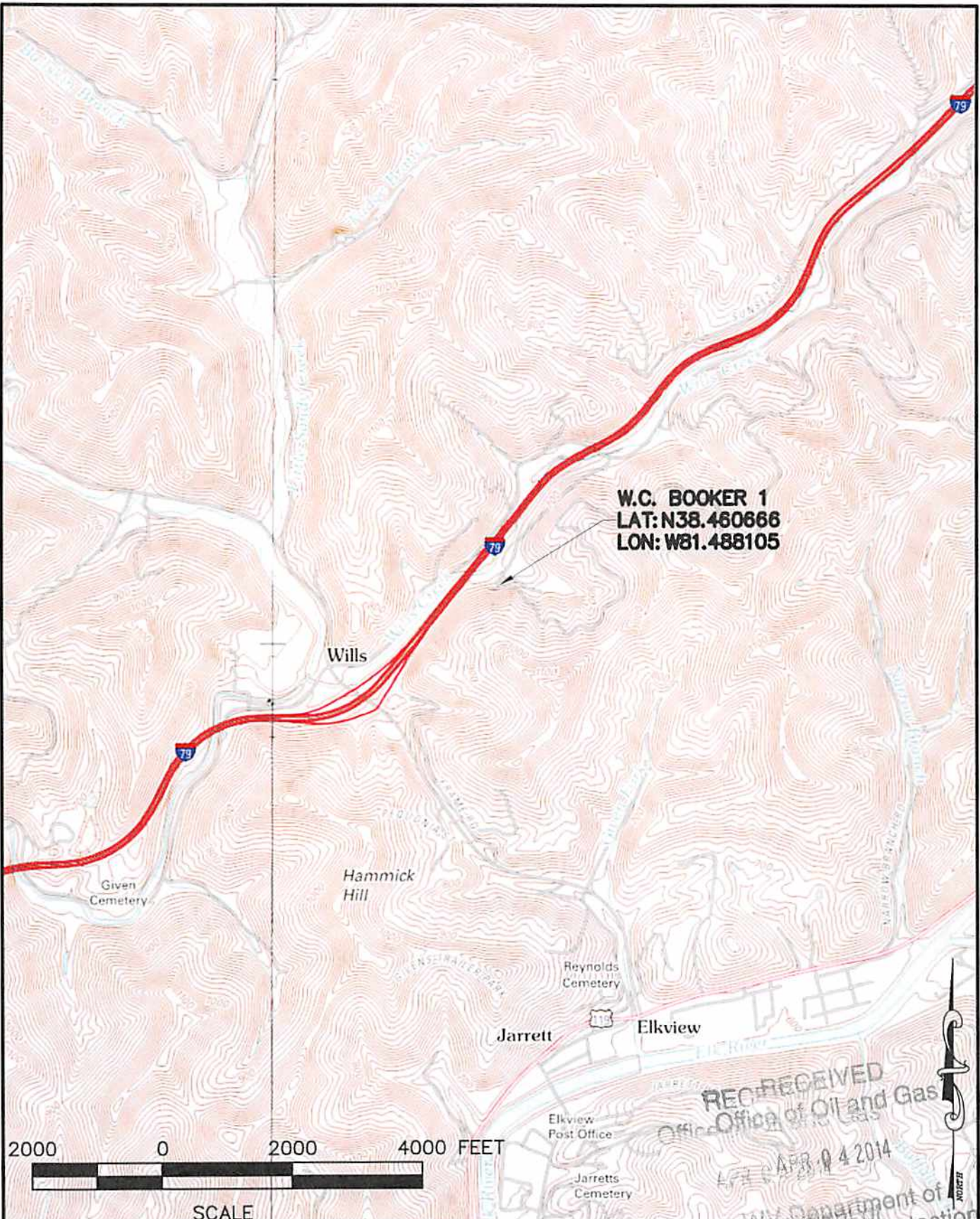
NOTES:

1. ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH THE WVDEP OIL & GAS BMP MANUAL. ALL CULVERTS SHOWN ON THIS PLAN ARE PROPOSED AND WILL BE A MINIMUM OF 12" IN DIAMETER UNLESS OTHERWISE DESIGNATED AND WILL BE PACKED AS NEEDED AND REQUIRED BY WVDEP OIL AND GAS BMP MANUAL.
2. SUPPLEMENTAL DRAINAGE AND/OR SEDIMENT CONTROL MEASURES IN ADDITION TO THOSE SHOWN ON THIS PLAN WILL BE INSTALLED WHEN AND WHERE DEEMED NECESSARY. THE ADDITIONAL MEASURES MAY CONSIST OF STRAW BALES, SILT FENCES, OR OTHER MEASURES AS OUTLINED IN THE EROSION AND SEDIMENT CONTROL FIELD MANUAL.
3. SEDIMENT TRAPS ARE TO BE CONSTRUCTED AT ALL CULVERTS AND CROSS DRAIN INLETS AS REQUIRED IN THE WVDEP OIL & GAS BMP MANUAL. FIELD CONDITIONS SUCH AS 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.
4. A SEDIMENT BARRIER OF EITHER BRUSH, STRAW BALES OR FILTER FENCE WILL BE MAINTAINED BELOW THE OUT FALL OF ALL PROPOSED CULVERTS AND AT ALL OTHER STORM WATER DISCHARGE POINTS FROM EITHER THE ROADWAY OR THE LOCATION.
5. ENTRANCES AT COUNTY/STATES ROAD SHALL BE MAINTAINED IN ACCORDANCE WITH D.O.T. REGULATIONS, SEPARATE PERMITS MAY BE REQUIRED BY THE WVDOT INSTALLED FOR A MIN. DISTANCE OF 50'.
6. A STABILIZED CONSTRUCTION ENTRANCE WILL BE INSTALLED AS SHOWN UNLESS OTHERWISE DIRECTED BY WVDEP INSPECTOR AND/OR WVDOT.
7. CROSS DRAINS AND/OR WATERBARS WILL BE INSTALLED AS AN INTEGRAL PART OF THE RECLAMATION PROCESS AND SHALL BE SPACED IN ACCORDANCE WITH THE WVDEP CONTROL FIELD MANUAL.



It is a violation of the law for any person, unless acting under the direction of a licensed Architect, Engineer or Land Surveyor, to alter in any way, Plans, maps, specifications, studies, and reports not containing a red ink seal imprint on the cover sheet accompanied by an original signature by the licensed professional may have been fraudulently altered and shall not be considered an original copy. Copyright Protected 2013, Larson Design Group.

PROJECT NO: 8013-008	SHEET NO: 2 of 2	RECLAMATION PLAN		 Larson Design Group
		W.C. Booker 1		
		ELK DISTRICT, KANAWHA COUNTY, WEST VIRGINIA		
EXCO RESOURCES, INC P.O. BOX 8 RAVENSWOOD, WV 26164 PHONE (304) 273-5371 DATE: 8/9/13 DRAWN BY: CAB CHECKED BY: THK		Larson Design Group • Architects Engineers Surveyors 2502 Cranberry Square Morgantown, WV 26508 PHONE 877.323.6603 FAX 570.323.9902 • www.larsondesigngroup.com		



W.C. BOOKER 1
LAT: N38.460666
LON: W81.488105



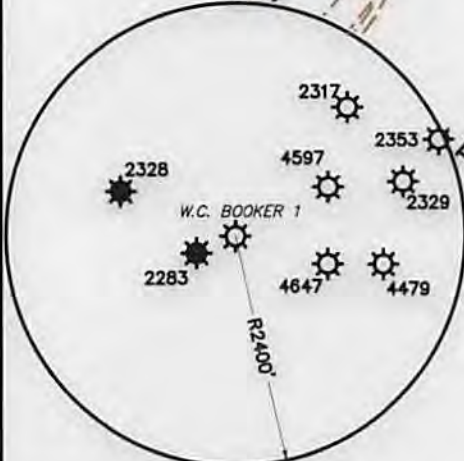
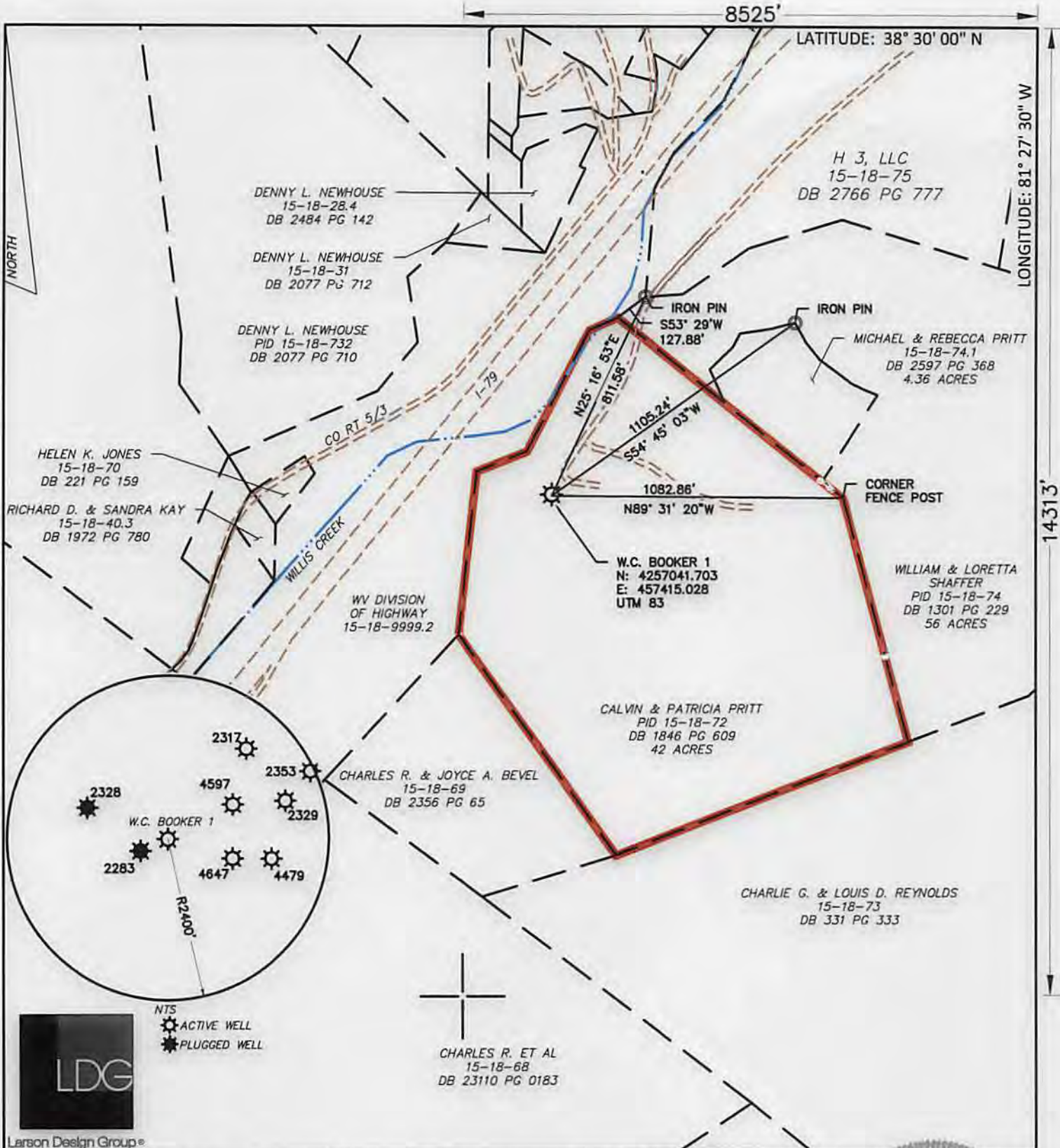
RECEIVED
 Office of Oil and Gas
 APR 04 2014
 Department of Environmental Protection

LDG
 Architects Engineers Surveyors
 1000 Commerce Park Drive • Suite 201
 Williamsport, PA 17701
 PHONE 570.323.6603
 TOLL FREE 877.323.6603
 FAX 570.323.9902
 www.larsondesigngroup.com

SITE LOCATION MAP
BLUE CREEK QUADRANGLE
ELK DISTRICT, KANAWHA COUNTY, WV
W.C. BOOKER 1 SWD
FOR
EXCO RESOURCES (PA), LLC

DATE: 04/01/2014
SHEET NO.: LOC
PROJECT NO.: 8013-008
SCALE: 1" = 200'

06/19/2014



FILE NO. 8013-008
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 2500'
 PROVEN SOURCE OF ELEVATION SURVEY GRADE GPS

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 ENVIRONMENTAL PROTECTION.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. 1969



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

DATE OCTOBER 20 13
 OPERATOR'S WELL NO. W.C. BOOKER 1
 API WELL NO. 47-039-02327 W
 STATE 47 COUNTY 039 PERMIT 02327 W

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 688 WATERSHED WILLS CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK
 SURFACE OWNER CALVIN & PATRICIA PRITT ACREAGE 42 AC
 OIL & GAS ROYALTY OWNER N/A LEASE ACREAGE N/A
 LEASE NO. N/A

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) X (WORK IS TO LOCATE AND REPAIR A LEAK IN PRODUCTION CASING)

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BIG INJUN/SALT SANDS ESTIMATED DEPTH 1815'
 WELLOPERATOR EXCO Resources (PA), LLC DESIGNATED AGENT MIKE CHURCH-EXCO RESOURCES
 ADDRESS 3000 ERICSSON DRIVE, SUITE 200 WARRENDALE, PA 15086 ADDRESS P.O. BOX 8 RAVENSWOOD, WV 26164

L:\Williamsport\Energy\Exco-8013\8013-008 Booker 1 SWD\CAD\W.C. Booker 1 Plat.dwg, 4/7/2014 11:56:58 AM, DWG To PDF.pc3

COUNTY NAME PERMIT

06/13/2014



EXCO Resources (PA), LLC

260 Executive Drive • Suite 100 • Cranberry Township, PA 16066
Phone (724) 720-2500 • Fax: (724) 720-2505

Certified Mail Number: 7012 2210 0001 9317 3621

April 2, 2014

Calvin & Patricia Pritt
649 Equine Drive
Elkview, WV 25071

**RE: West Virginia Department of Environmental Protection
Notice of Submittal for a Well Work Permit
W.C. Booker #1
Kanawha County, WV**

Dear Mr. & Mrs. Pritt,

This letter is to notify you that EXCO Resources (PA), LLC (EXCO) is submitting a Well Work Permit application to the West Virginia Department of Environmental Protection for the above-mentioned injection well located in Kanawha County, WV. EXCO is proposing to perform an acid treatment job on the W.C. Booker #1 injection well to increase the efficiency.

EXCO is required by the WV DEP to notify you that a Well Work permit on the above mentioned property has been submitted.

Please review the enclosed documents and sign, date and return form WW-2A Surface Owner Waiver in the enclosed postage paid envelope.

If you have any questions, please contact Brian Rushe at (724) 720-2590 or brushe@excoresources.com.

Sincerely,

Rebecca Shrum
Regulatory Analyst

Attachments