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**west virginia** department of environmental protection

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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 19, 2013

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1900957, issued to EQT PRODUCTION COMPANY, 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: (WV 508570) LAWSON HAMILTO

Farm Name: ACIN, LLC

**API Well Number: 47-1900957**

**Permit Type: Plugging**

Date Issued: 09/19/2013

Promoting a healthy environment.

09/20/2013

## 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

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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.

1900957P

Form WW-4 (B)  
Permit Copy  
(Rev 2/01)

Date: August 28, 2013  
Operator's Well  
Well No. WV 508570(Lawson Hamilton)  
API Well No.: 47 019 - 00957

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

**APPLICATION FOR A PERMIT TO PLUG AND ABANDON**

4) Well Type: Oil        Gas   X   Liquid Injection        Waste Disposal:         
If Gas, Production          X   Or Underground storage        Deep        Shallow   X  

5) Elevation: 1813' Watershed: Milburn Creek  
Location: Valley 09 County: Fayette 19 Quadrangle:        Pax 7.5' 537  
District:       

6) Well Operator EQT Production Company  
120 Professional Place  
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray  
Address: 120 Professional Place  
Bridgeport, WV 26330

8) Oil & Gas Terry Urban  
Name: P.O. Box 1207  
Address: Clendenin, WV 25045

9) Plugging Contractor:  
Name: HydroCarbon Well Service  
Address: PO BOX 995  
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See Attachment for details and procedures.**

*Plug will change as per pipe being pulled*

OFFICE USE ONLY

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

Work order approved by inspector

*[Signature]*

Date 9-3-13

09/20/2013



## PLUGGING PROGNOSIS

**Lawson Hamilton WV 508570 (508570)**

Fayette COUNTY, W.V.

API # 47-109-00957 47-019-00957

Quad, Pax

This well ran a 4" casing plunger in well do not if there is a casing stand in hole or not.

BY: Doug Fry

DATE: 1/4/13

**CURRENT STATUS:**

13" @ 30" Grouted

9 5/8" @ 560' Cmtd - Est Toc @ 344'

7" @ 1734' Cmtd - Est Toc @ 1412'

4.5 @ 3411' Cmtd - Est Toc @ 3128'

**Fresh Water @ 30'****Gas shows/ Perfs @ 3321'-3106' Gordon, 2841'-2822' L Weir, 2316'-2350' Big Lime, 2069'-2143' L Maxton, 1995' - 2015' Berea****Oil Shows @ None Reported****Salt Sand top @ 421'****Coal: 119'-125'****Stimulation; Frac**

1. Notify inspector, Terry Urban @ 304-549-5915 24 hours prior to commencing operations.
2. TIH w/ tubing to 3321'; Set 321' C1A Cement Plug @ 3321' to 3000' ( Gordon Perfs ).
3. TOO H w/ tubing, Gel Hole @ 3000' to 2841'.
4. TOO H w/ tubing to 2841'; Set 119' C1A Cement Plug @ 2841' to 2722' ( L Weir perfs ).
5. TOO H w/ tubing, Gel Hole @ 2722' to 2350'.
6. TOO H w/ tubing @ 2350', Set 455' C1A Cement plug @ 2350', to 1895'.( Big Lime, Maxton, Berea Perfs.)
7. TOO H w/ tubing , Gel Hole @ 1895' to 1784'.
8. TOO H w/ tubing, Free Point 4.5" csg , cut 4.5" csg @ Free Point, TOO H w/4.5" csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 4.5" cut. Do not omit any plugs shown below.
9. TIH w/ tubing @ 1784', Set 100' C1A cement plug @ 1784' to 1684'. (7" csg pt).
10. TOO H w/ tubing, Gel Hole @ 1684' to 610'.
11. TOO H w/ tubing, Free Point 7" csg , cut 7" csg @ Free Point, TOO H w/7" csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 7" cut. Do not omit any plugs shown below.
12. TIH w/ tubing @ 610', Set 289' C1A cement plug @ 610' to 321'. (9 5/8" csg pt Salt Sand).
13. TOO H w/ tubing, Free Point 9 5/8" csg , cut 9 5/8" csg @ Free Point, TOO H w/9 5/8" csg. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all Salt Sand top, FW, Gas, Oil and Coal shows below the 7" cut. Do not omit any plugs shown below.
14. TIH w/ tubing, Gel Hole @ 321' to 200'.
15. TOO H w/ tubing @ 200' , Set 200' C1A cement plug to surface.( 13" csg pt, Coal and FW show)
16. Top off as needed
17. Set monument to WV DEP specs
18. Reclaim Location to WV DEP Specifications.

Max  
Continue  
Plugs

*[Signature]*  
1-9-13

WR-71

API # 47- 019-00957

*hnb*

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Ark Land Co. Operator Well No.: 508570  
LOCATION: Elevation: 1824' Quadrangle: Pax  
District: Valley County: Fayette  
Latitude: 10590 Feet South of 38 Deg. Minutes 0 Seconds 0  
Longitude: 3030 Feet West of 81 Deg. 17 30

Company: Equitable Production Company  
P.O. Box 2347, 1710 Pennsylvania Avenue  
Charleston, WV 25328

Agent: Stephen G. Perdue

Inspector: Richard Campbell  
Permit issued: 6/26/2002  
Well work commenced: 07/24/02  
Well work completed: 11/08/02

Verbal Plugging Permission granted on: \_\_\_\_\_

Rotary Rig  Cable Rig \_\_\_\_\_

Total Depth 3429 feet  
Fresh water depths (ft) 30'

Salt water depths (ft) 877', 1160' & 2013'

Is coal being mined in area?  
Coal Depths (ft): 119'-125'

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	30'	30'	grouted
9 5/8"	586'	586'	222.4 lf
7"	1734'	1734'	322.7 lf
4 1/2"	3411'	3411'	283.6 lf

OPEN FLOW DATA

Producing formation Gordon / Berea; Lower Weir; Big Lime; Lower Maxton; Maxton Stray Pay Zone Depth (ft): \_\_\_\_\_ See Attach for details

Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure 285 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation Pay Zone Depth (ft): \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

RECEIVED  
Office of Oil & Gas

SEP 03 2013  
Kathy L. Jarvey  
For: Equitable Production Company  
By: \_\_\_\_\_  
Date: 11/27/11  
WV Department of Environmental Protection

1900957P

EQUITABLE PRODUCTION COMPANY  
 WR-35 COMPLETION REPORT - Attachment  
 Well Treatment Summary

Well: WV-508570-KVB

API# 47-019-00957

Date	08/14/02	08/14/02	08/21/02	08/23/02	08/30/02
Type Frac	Variable Q	Variable Q	Foamed Acid	Variable Q	Variable Q
Acid, N <sub>2</sub> , Foam, Water	Variable Q	Variable Q	Foamed Acid	Variable Q	Variable Q
Zone Treated	Gordon Berea	Lower Weir	Big Lime	Lower Maxton	Maxton-Stray
# Perfs	40	20	18	30	21
From - To:	3106' - 3321'	2822'-2841'	2316' - 2350'	2069' - 2143'	1995' - 2015'
BD Pressure @ psi	2540	1030	1600	1040	980
ATP psi	2044	1161	1715	2395	2370
Avg. Rate, B=B/M, S= SCF/M	50,589 S	18 B (foam)	12 B (foam)	40 B (foam)	24 B (foam)
Max. Treat Press psi	2100	1240	2120	2510	2550
ISIP psi	1450	230	1280	865	830
Frac Gradient	.51	.51	.55	.84	.85
10 min S-I Pressure	1220	950	1310	870	1560
Material Volume					
Sand-sks		360		648	389
Water-bbl		192		355	155
SCF N <sub>2</sub>	799,731	404,040	145,857	794,608	428,923
Acid-gal	500 gal 15%	420 gal 15%	3000 gal 15%	1750 gal 15%	500 gal 15%
NOTES:					

TOP	BOTTOM	FORMATION	REMARKS
		Coal	119'-125' Water @ 30', 1150' & 2013'
1794'	1856'	MIDDLE	GT @ 1793' = NS
		MAXTON:	
		LOWER	GT @ 1915' = NS
1961'	2021'	MAXTON	
		STRAY:	
		LOWER	GT @ 2161' = NS
2080'	2151'	MAXTON:	
2154'	2227'	LITTLE LIME:	GT @ 2346' = NS
2255'	2582'	BIG LIME:	GT @ 2532' = NS
2638'	2664'	BIG INJUN:	
2697'	2728'	UPPER WEIR:	GT @ 2717' = NS
2784'	2842'	LOWER WEIR:	GT @ 2930' = NS
3079'	3102'	SUNBURY:	
3102'	3135'	BEREA:	GT @ 3117' = odor
3304'	3330'	GORDON:	GT @ 3305' = NS
	3430'	DRILLER TD:	GT @ TD = NS

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 Office of Oil & Gas  
 SEP 03 2013  
 WV Department of  
 Environmental Protection

09/20/2013



1) Date: August 28, 2013  
2) Operator's Well Number  
WV 508570(Lawson Hamilton)  
3) API Well No.: 47 019 - 00957  
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT**  
**DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS**  
**NOTICE AND APPLICATION TO PLUG AND ABANDON WELL**

4) Surface Owner(s) to be served:  
(a) Name ACIN LLC ✓  
Address 5260 Irwin Road  
Huntington, WV 25727  
  
(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 None  
Address \_\_\_\_\_  
  
(b) Coal Owner(s) with Declaration  
Name ACIN LLC ✓  
5260 Irwin Road  
Address Huntington, WV 25727  
  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_  
  
Name \_\_\_\_\_  
Address \_\_\_\_\_

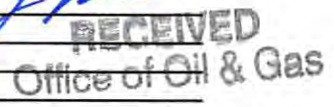
**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (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 Division 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: EQT Production Company  
By: Victoria J. Roark ✓  
Its: Permitting Supervisor  
Address: PO Box 280  
Bridgeport, WV 26330  
Telephone: (304) 848-0076



Subscribed and sworn before me this 29 day of Aug, 2013  
My Commission Expires: 8-24-22 Notary Public

SEP 09 2013

WV Department of Environmental Protection

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS  
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: \_\_\_\_\_

Watershed: Milburn Creek Quadrangle: Pax 7.5'

Elevation: 1813' County: Fayette District: Valley

Description of anticipated Pit Waste: Formation Fluids

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

Will synthetic liner be used in the pit? Yes Is so, what ml.? 30 ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- \_\_\_\_ Underground Injection - UIC Permit Number \_\_\_\_\_
- \_\_\_\_ Reuse (at API Number) \_\_\_\_\_
- \_\_\_\_ Offsite Disposal Permit #. \_\_\_\_\_
- \_\_\_\_ Other: Explain \_\_\_\_\_

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

If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used? \_\_\_\_\_

Will closed loop system be used? \_\_\_\_\_

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. \_\_\_\_\_

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 Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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 *Victoria Roark*

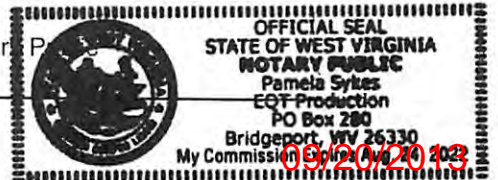
Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 29 day of Aug, 2013

*Paula Lynn* My Commission Expires 9-24-22

Notary P

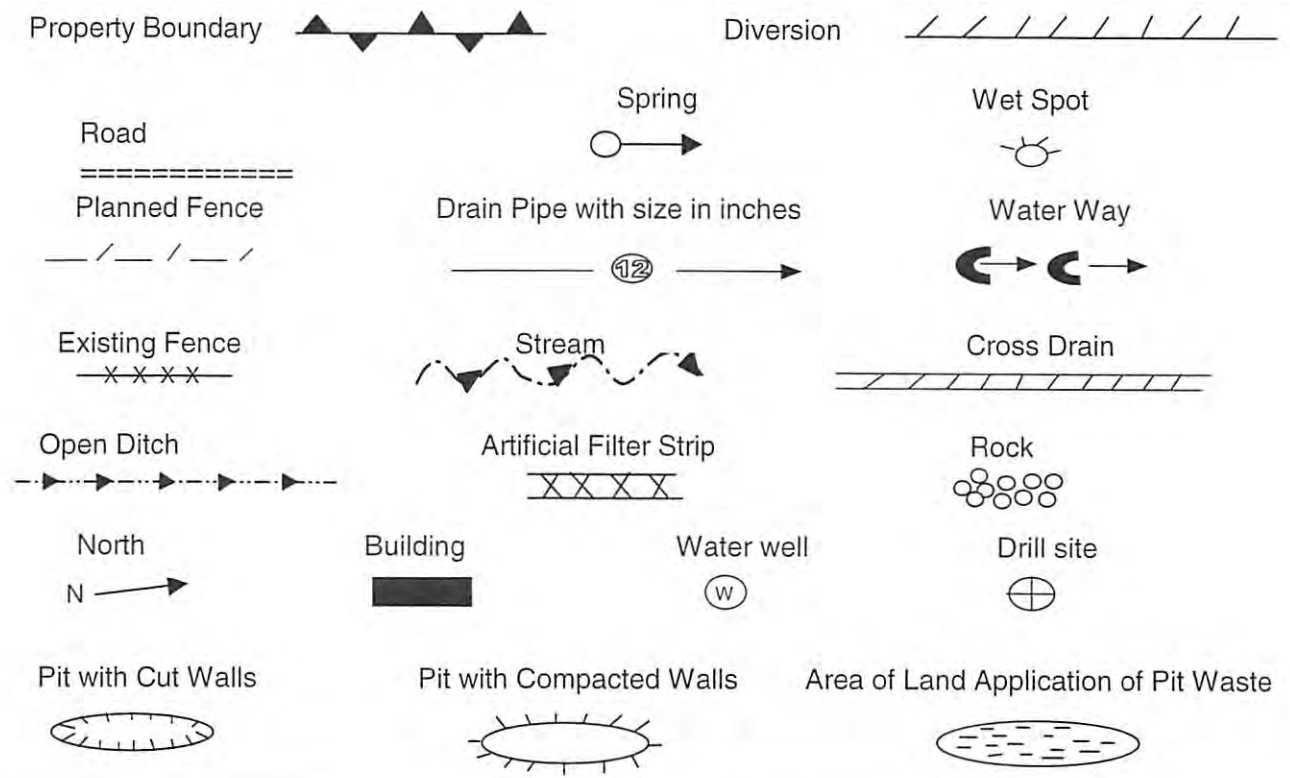




1900957P

OPERATOR'S WELL NO.:  
WV 508570(Lawson Hamilton)

**LEGEND**



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8  
 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 2 Tons/acre or hydroseed.

**SEED MIXTURES**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	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.  
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: [Signature]

Comments: \_\_\_\_\_

Title: [Signature] Date: 9-3-13  
 Field Reviewed? Yes  No

09/20/2013



1900957 P

Topo Quad: Pax 7.5'

Scale: 1" = 2000'

County: Fayette

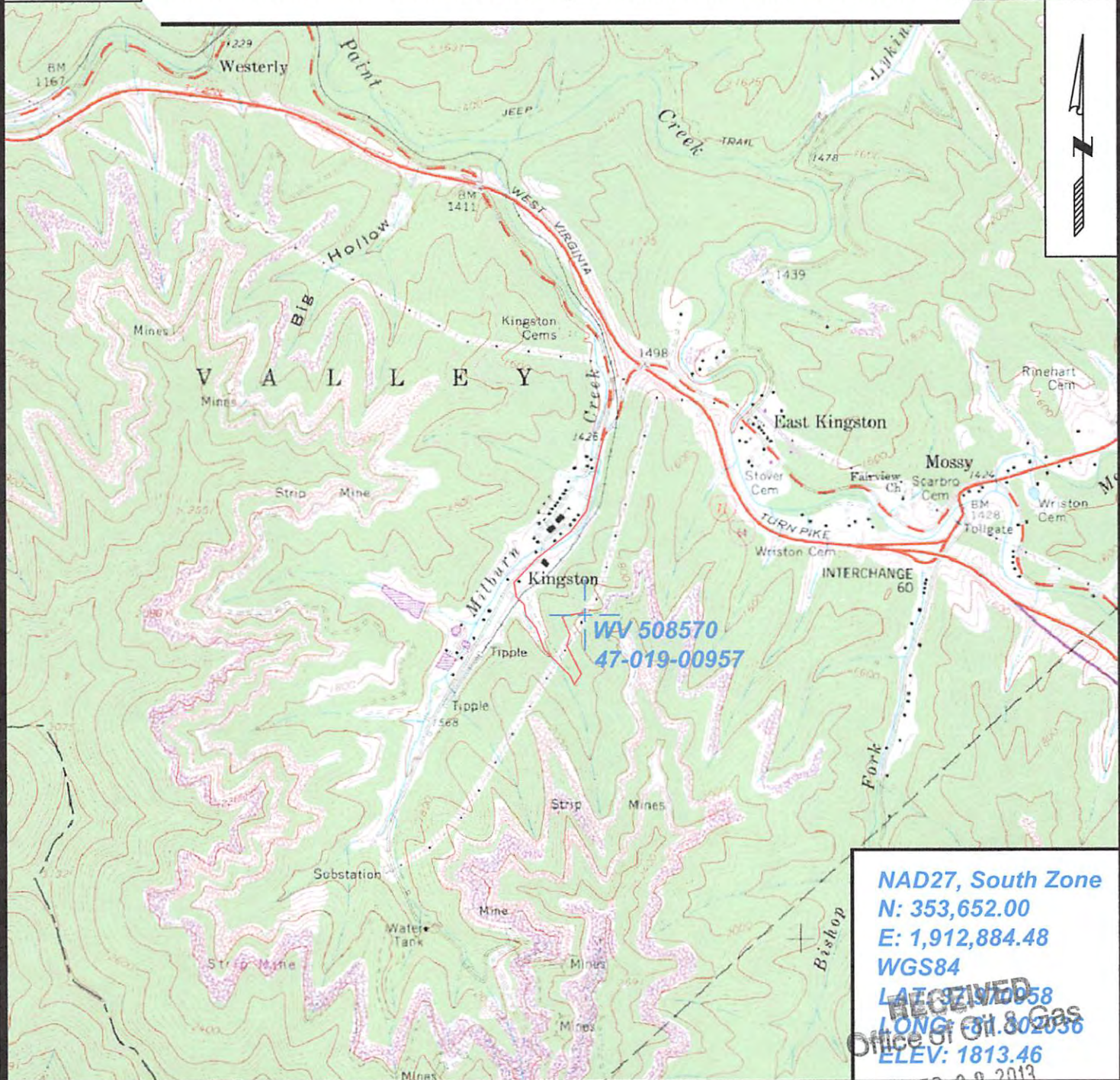
Date: August 19, 2013

District: Valley

Project No: 57-05-00-07

WV 508570 47-019-00957 (Lawson Hamilton #508570)

Topo



WV 508570  
47-019-00957

NAD27, South Zone  
 N: 353,652.00  
 E: 1,912,884.48  
 WGS84  
 LAT: 37.70058  
 LONG: -81.302036  
 ELEV: 1813.46

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 Office of Oil & Gas  
 SEP 09 2013



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 P.O. BOX 438  
 BIRCH RIVER, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

PREPARED FOR:  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330

09/20/2013



1900957P

WW-7  
8-30-06



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

API: 47-019-00957, WELL NO.: WV 508570 (Lawson Hamilton #508570).

FARM NAME: Lawson Hamilton

RESPONSIBLE PARTY NAME: EOT Production Company

COUNTY: Fayette, DISTRICT: Valley

QUADRANGLE: Pax 7.5'

SURFACE OWNER: ACIN, LLC.

ROYALTY OWNER: New River Estates, LLC, et al.

UTM GPS NORTHING: 4202636

UTM GPS EASTING: 473472, GPS ELEVATION: 553 m (1813 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

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

Survey grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS X : Post Processed Differential X  
Real-Time Differential \_\_\_\_\_

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Ben A. Sestito  
Signature

P.S. 2092  
Title

9-4-2013  
Date

Received  
SEP - 5 2013  
Office of Oil and Gas  
WV Dept. of Environmental Protection  
09/20/2013



WW-7  
8-30-06

VOID



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

API: 47-019-00957 WELL NO.: WV 508570 (Lawson Hamilton #508570)

FARM NAME: Lawson Hamilton

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Fayette DISTRICT: Valley

QUADRANGLE: Pax 7.5'

SURFACE OWNER: AICN, LLC

ROYALTY OWNER: New River Estates, LLC, et al.

UTM GPS NORTHING: 4202636

UTM GPS EASTING: 473472 GPS ELEVATION: 553 m (1813 ft)

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:

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2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS     : Post Processed Differential       
Real-Time Differential     

Mapping Grade GPS X: Post Processed Differential X  
Real-Time Differential     

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

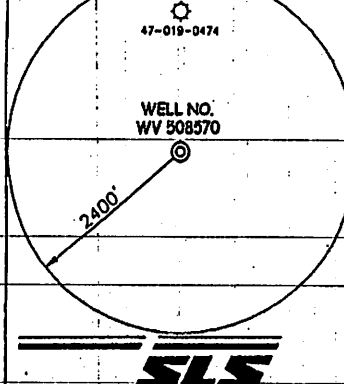
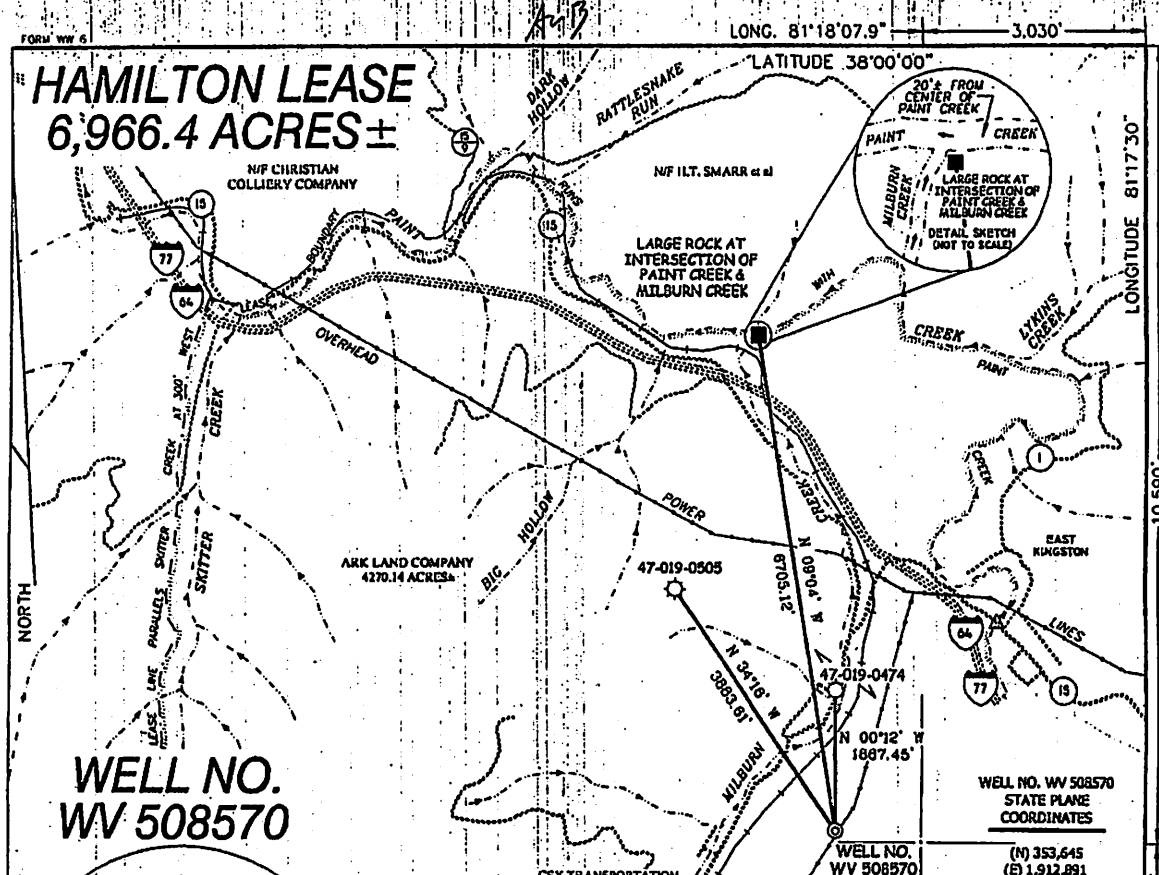
Signature [Handwritten Signature]

Title PS # 2180

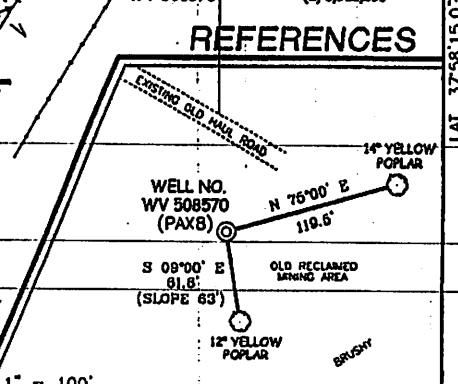
Date 8/19/13

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WV Department of  
Environmental Protection  
09/20/2013

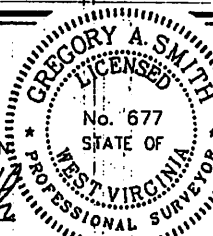


- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
  2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 5/28/02.
  3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 391 ON PAGE 338 IN THE COUNTY CLERK RECORDS OF FAYETTE COUNTY.
  4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF FAYETTE COUNTY IN APRIL, 2001.
  5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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 MAY 31, 20 02

OPERATORS WELL NO. WV 508570


API WELL NO. 47-19-00957PP

STATE WV COUNTY FAYETTE PERMIT 00957PP

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4724P508570 (121-74)

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1,426' SCALE 1" = 2000'

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 1,824' WATERSHED MILBURN CREEK

DISTRICT VALLEY COUNTY FAYETTE QUADRANGLE PAX 7.5'

SURFACE OWNER ARK LAND COMPANY AGREEMENT 4270.14

ROYALTY OWNER ARK LAND COMPANY & NEW RIVER ESTATES, L.L.C. LEASE ACREAGE 6966.4

PROPOSED WORK: LEASE NO. 62824

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 DEVONIAN-SHALE

ESTIMATED DEPTH 6,560'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE

ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328

09/20/2013



### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Lawson Hamilton WV 508570 (47-019-00957)

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 existing 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.

#### POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 930' +/- Owner: CSX Transportation, Inc.  
Address: 500 Water Street, Jacksonville, FL 32202 Phone No. 904.359.3200  
Comments:

*[Handwritten signature]*  
9.3-B

**BIRCH RIVER OFFICE**  
P.O. Box 438 • 257 Birch River Road  
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fax: 304-649-8608

**BRIDGEPORT OFFICE**  
172 Thompson Drive  
Bridgeport, WV 26330  
phone: 304-848-5035  
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**CALDWELL OFFICE**  
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Caldwell, OH 43724  
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**ALUM CREEK OFFICE**  
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