



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

July 01, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5901366, issued to CHESAPEAKE APPALACHIA, L.L.C., 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: 24007
Farm Name: HALL, SARAH
API Well Number: 47-5901366
Permit Type: Plugging
Date Issued: 07/01/2014

Promoting a healthy environment.

07/04/2014

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. 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 within two years of the date of issuance of this permit.

824007 P&A PROCEDURE

- 1) Prepare road and location, MIRU Service Rig
- 2) Pull 2 3/8" tubing (if still in well)
- 3) Either
 - A) Set CIBP at 3600', spot 100' cement plug 3600'-3500' *GEL BELOW CIBP.*
 - or
 - B)
 - a) TIH with W.S. to 3800', load hole with gel, pull W.S. to 3700'
 - b) Spot 200' cement plug 3700'-3500'
- 4) Pull W.S. to 3000', load hole with gel
- 5) Spot 150' cement plug 3000'-2850', pull W.S.
- 6) Cut 4 1/2" casing at free-point (approximately 2550') and pull
- 7) Run W.S. to 2550', load hole with gel
- 8) Spot 100' cement plug 2550'-2450', pull W.S. to 2190'
- 9) Spot 100' cement plug 2190'-2090', pull W.S. to 1875'
- 10) Spot 100' cement plug 1875'-1775', pull W.S. to 1050'
- 11) Spot 100' cement plug 1050'-950', pull W.S. to 450'
- 12) Spot 100' cement plug 450'-350', pull W.S. to 275'
- 13) Spot ^{275'}100' cement plug 275'-^{SURFACE}175', pull W.S. to 100' *TOP LOG COVERS FRESH WATER @ 135'*
- ~~14) Spot 100' cement plug 100' - surface~~
- 15) Pull W.S. and top off with cement *gwm
6/26/14*
- 16) Erect monument and reclaim as prescribed by law

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Columbia Natural Resources
Well No.: 24007

Perforated Intervals

1st Stage Huron Shale 20 holes from 3652 ft to 3988 ft
 2nd Stage Cleveland Shale 20 holes from 2971 ft to 3122 ft
 3rd Stage holes from ft to ft

Fracturing / Stimulation

1st Stage Huron Shale Type of Treatment Nitrogen Frac
 Total Acid 250 Gal of 7 1/2% HCl Breakdown Pressure 1721 psi
 Average Rate 81,160 scf/min or bpm ATP 3277 psi MTP 4001 psi
 Total Fluid 6 bbl Total Nitrogen 824,200 scf Total Sand 0 lb of
 ISIP 2059 psi 5 min 938 psi

2nd Stage Cleveland Shale Type of Treatment Nitrogen Frac
 Total Acid 250 Gal of 7 1/2% HCl Breakdown Pressure 1790 psi
 Average Rate 60,280 scf/min or bpm ATP 2636 psi MTP 3584 psi
 Total Fluid 6 bbl Total Nitrogen 659,000 scf Total Sand 0 lb of
 ISIP 1713 psi 5 min 1002 psi

3rd Stage Type of Treatment

Total Acid	Gal of	% HCl	Breakdown Pressure	psi
Average Rate	scf/min	<input type="checkbox"/> or bpm <input type="checkbox"/>	ATP	psi MTP psi
Total Fluid	bbl	Total Nitrogen	scf	Total Sand lb of
ISIP	psi	min psi		

Well Log

Formation Name	Top	Bottom	Comments
KB - GL	0	10	
Fill	10	15	
Sand / Shale	15	135	
White Sand	135	222	
Coal	222	225	
Sand / Shale	225	396	
Coal	396	399	
Sand / Shale	399	408	
Sand	408	615	
Sand / Shale	615	925	
Shale	925	1022	
Sand / Shale	1022	1026	
Salt Sand	1026	1768	
Sand / Shale	1768	1860	
Maxon Sand	1860	1926	
Sand / Shale	1926	1996	
Bradley Sand	1996	2030	
Sand / Shale	2030	2040	
Little Lime	2040	2082	
Big Lime	2082	2294	
Sand / Shale	2294	2878	
Coffee Shale	2878	2910	
Berea Sand	2910	2982	
Cleveland Shale	2982	3028	
Huron Shale	3028	3986	
Java Shale	3986	4147	

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 Office of Oil and Gas
 MAY 08 2014
 WV Department of
 Environmental Protection 07/04/2014

5901366P

WW-4A
Revised 6-07

1) Date: 5/5/2014
2) Operator's Well Number 824007
3) API Well No.: 47 - 059 - 01366

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Gail Hall</u>	Name <u>Delbarton Mining Co.</u>
Address <u>RT 1 Box 512</u>	Address <u>P. O. Box 714</u>
<u>Williamson, WV 25661</u>	<u>Matewan, WV 25678</u>
	(b) Coal Owner with Declaration
	Name <u>Laurel Run Mining Co.</u>
	Address <u>1000 Consol Energy DR</u>
	<u>Canonsburg, PA 15317</u>
(b) Name _____	(c) Coal Lessee <u>With Declaration</u>
Address _____	Name <u>Consol of KY, Inc.</u>
	<u>P. O. Box 76</u>
	Address <u>Naugatuck, WV 25685</u>
6) Inspector <u>Jeremy James</u>	Coal Lessee with Declaration
Address <u>P. O. Box 147</u>	Name _____
<u>Ona, WV 25545</u>	Address _____
Telephone <u>(304) 951-2596</u>	

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

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator Chesapeake Appalachia, L.L.C.
 By: David Stumbo David Stumbo
 Its: Production Superintendent- Appalachian South BU, Northern Division
 Address P. O. Box 18496
Oklahoma City, OK 73154-0496
 Telephone (606) 298-3400

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Office of Oil and Gas

Subscribed and sworn before me this 5th day of May, 2014
Sherril Moore Notary Public MAY 08 2014
My Commission Expires 5/24/2017

WV Department of
Environmental Protection 07/01/2014

59 01366P

WW-4A
Revised 6-07

1) Date: 5/05/2014

2) Operator's Well Number 824007

3) API Well No.: 47 - 059 - 01366

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

4) Surface owners to be served:

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**WV Department of
Environmental Protection**
07/04/2014

SURFACE OWNER WAIVER

Operator's Well Number
API

824007

47-059-01366

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Gail Hall Date 5-12-14 Name _____
Signature By _____
Its Date _____

REC'D 5/14/14 Signature _____ Date 07/01/2014

59 01366P

7011 0470 0002 7116 9406

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Postmark Here
MAY 06 2014
PRESTONBURG KY
USPS - 41653

Total Post
Gail Hall
Sent to RT 1, Box 512
Williamson, WV 25661
Street, Apt. 1 or PO Box or PO Box N
City, State, Z (P&A Notification Well 824007)

PS Form 3800, August 2006 See Reverse for Instructions

7011 0470 0002 7116 9413

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Postmark Here
MAY 06 2014
PRESTONBURG KY
USPS - 41653

Total Post
Consol of KY, Inc.
Sent to P. O. Box 76
Naugatuck, WV 25685
Street, Apt. N or PO Box No or PO Box N
City, State, Z (P&A Notification Well 824007)

PS Form 3800, August 2006 See Reverse for Instructions

7011 0470 0002 7116 9437

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Restricted Delivery Fee (Endorsement Required)	

Postmark Here
MAY 06 2014
PRESTONBURG KY
USPS - 41653

Total Post
Delbarton Mining Co.
Sent to P. O. Box 714
Matewan, WV 25678
Street, Apt. 1 or PO Box N
City, State, Z (P&A Notification Well 824007)

PS Form 3800, August 2006 See Reverse for Instructions

7011 0470 0002 7116 9420

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Postmark Here
MAY 06 2014
PRESTONBURG KY
USPS - 41653

Total Post
Laurel Run Mining Co.
Sent to 1000 Consol Energy DR
Canonsburg, PA 15317
Street, Apt. N or PO Box No or PO Box N
City, State, Z (P&A Notification Well 824007)

PS Form 3800, August 2006 See Reverse for Instructions

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07/04/2014

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 Chesapeake Appalachia, L.L.C. OP Code 494477557

Watershed Hensley Big Branch of Tug Fork River Quadrangle Myrtle, WV 7.5'

Elevation 1100' County Mingo District Hardee

Description of anticipated Pit Waste: Plugging returns

Will a synthetic liner be used in the pit? Yes

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 _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, 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 
Company Official (Typed Name) David Stumbo


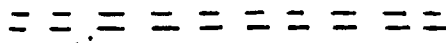

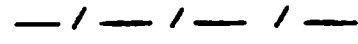

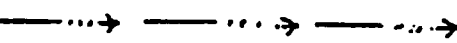
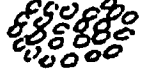




Company Official Title Production Supertendent, Appalachia South BU, Northern Division

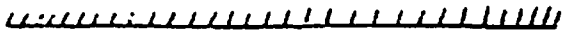
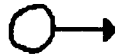


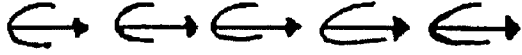




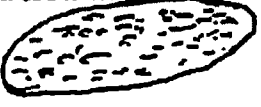
Subscribed and sworn before me this 5th day of May, 20 14

 Notary Public

My commission expires 5/24/2017

LEGEND

- Property Boundary 
- Road 
- Existing Fence 
- Planned Fence 
- Stream 
- Open Ditch 
- Rock 
- North 
- Buildings 
- Water wells 
- Drill site 

- Diversion 
- Spring 
- Wet Spot 
- Drain Pipe with size in inches 
- Waterway 
- Cross Drain 
- Artificial Filter Strip 
- Pit: cut walls 
- Pit: compacted fill walls 
- Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed 1/8 Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

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

Mulch 250 lb _____ Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre	Seed Type	Area II lbs/acre
Cereal Rye	17.5 / 1/8		
_____	_____	_____	_____
_____	_____	_____	_____

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

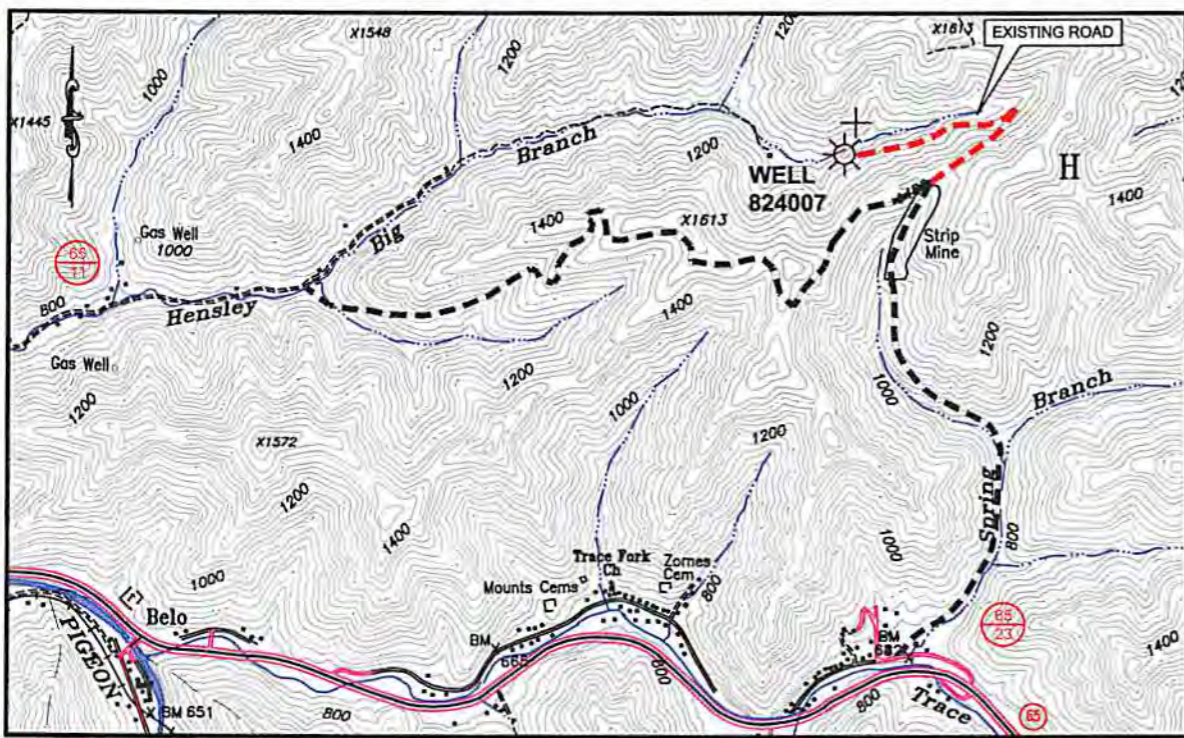
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

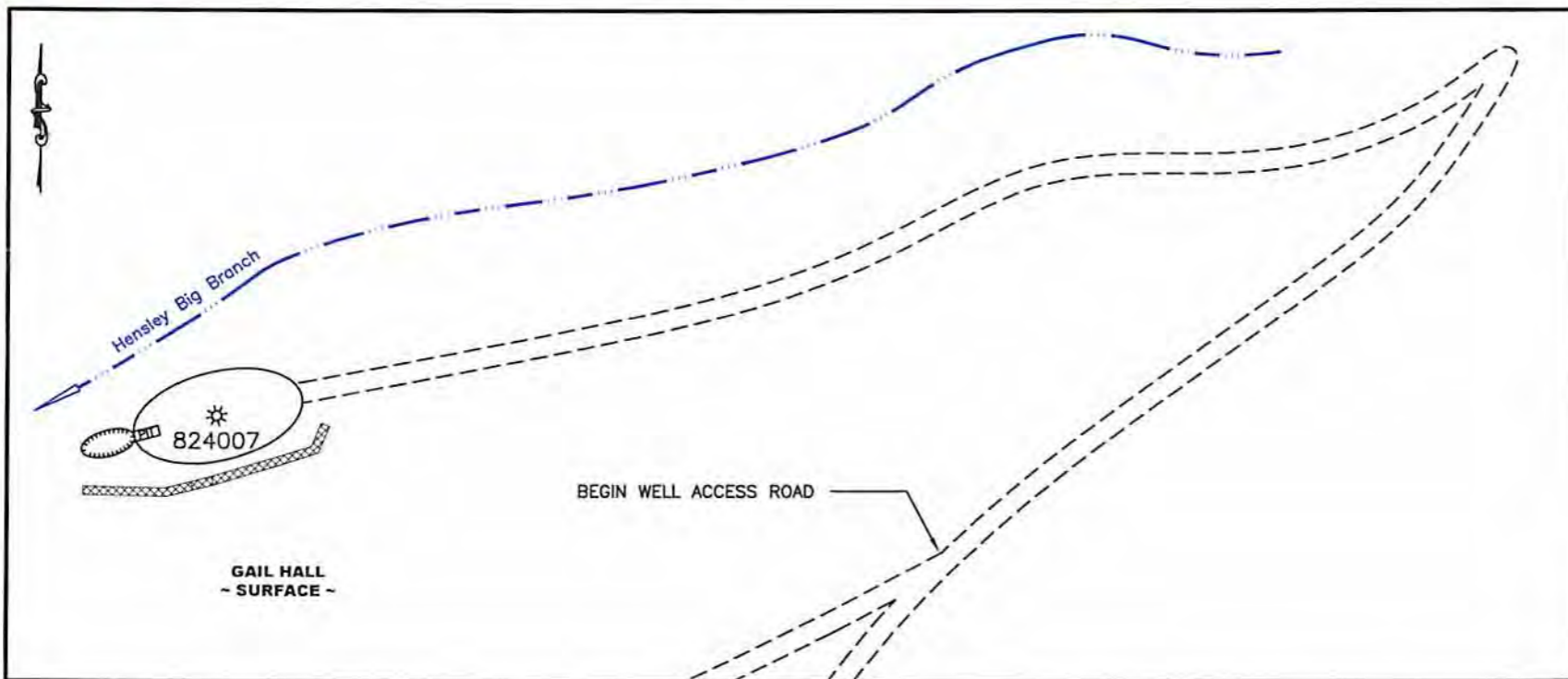
Title: _____ Date: _____

Field Reviewed? () Yes () No

5901366P



MYRTLE WV 7.5' ACCESS ROAD DETAIL



GAIL HALL
~ SURFACE ~

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Drawing Legend			
Property Boundary	-----	Diversion	
Road (8.5x7)	====	Spring	○
Existing Road	-X-X-X-	Wet Spot	⊙
Planned Road	- - - -	Existing Drain Pipe with size in inches	⊕ 12
Stream	~~~~~	Waterway	⊕
Open Channel	~~~~~	Cross Drain	⊕
Rock	○	Artificial Filter Strip	
Note	⊕	Pit: cut walls	⊕
Buried Pipe	⊕	Pit: Compacted fill walls	⊕
Water Well	⊕	Areas for Land Application of Pit Waste	⊕
Drill Site	⊕	Temporary berm	
Road (Existing)	-----	Brush Barrier	
		Straw Bales	

General Notes

THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE PROPOSED WELL SITE AND ACCESS ROAD. PROPOSED STRUCTURES SUCH AS WELL SITE, DRILLING PIT, ROADWAYS, CULVERTS, SEDIMENT BARRIERS ETC. ARE SHOWN IN APPROXIMATE PRE-PLANNING CONFIGURATIONS.

TREES AND SLASH WILL BE CLEARED AS NECESSARY BEFORE ANY PROPOSED ROAD, SITE, OR PIPELINE CONSTRUCTION BEGINS. IF SUFFICIENT RESIDUE MATERIALS ARE AVAILABLE FROM CLEARING, THIS MATERIAL WILL BE WINDROWED BELOW THE ANTICIPATED FILL OUTSLOPE(S) TO INTERCEPT AND RETAIN SEDIMENT FROM DISTURBED AREAS. ALL MARKETABLE TIMBER WILL BE CUT AND STACKED IN AREAS ADJACENT TO OPERATIONS.

ALL CULVERT PIPES WILL BE A MINIMUM OF 12" IN DIAMETER. ALL CULVERT PIPES INSTALLED WILL BE ACCOMPANIED BY AN ENTRANCE SUMP WITH DIMENSIONS NO LESS THAN 3 FT. (WIDTH) X 3 FT (LENGTH) X 4 FT (DEEP). CULVERTS WILL BE INSTALLED AT AN ANGLE TO ENSURE PROPER FLOW. THE OUT FALL OF CULVERTS WILL BE PROTECTED FROM EROSION AND SEDIMENTATION USING LARGE ROCKS OR OTHER SEDIMENT CONTROLS DEEMED NECESSARY IN THE PREVENTION OF EROSION AND SEDIMENTATION. STORM WATER FROM THE DITCHES TO THE CULVERTS WILL BE DIRECTED TO STABLE NATURAL VEGETATIVE AREAS, WHERE CULVERTS ARE NOT PRACTICAL. OPERATOR WILL HAVE OTHER SEDIMENT CONTROL IN PLACE TO MINIMIZE EROSION AND SEDIMENTATION.

TEMPORARY SEEDING: SEE ATTACHMENT #1.

CROSS DRAINS, BROAD BASED DIPS, WATER BARS, AND DIVERSION DITCHES WILL BE EMPLOYED DURING THE CONSTRUCTION PHASE. THESE EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE USED TO CONTROL EROSION AND SEDIMENTATION DURING THE CONSTRUCTION PHASE, WHERE APPLICABLE AND AREAS THAT WILL ALLOW. THESE STRUCTURES WILL BE CONSIDERED PERMANENT AND USED AS SUCH.

AFTER THE DRILLING AND COMPLETION PROCESS, CROSS DRAINS, BROAD BASED DIPS, WATER BARS AND DIVERSION DITCHES WILL BE AN INTEGRAL PART OF THIS RECLAMATION PROCESS AND SHALL BE INSTALLED AND SPACED IN ACCORDANCE WITH THE AS-BUILT ROADWAY SLOPES AND TABLE 11-4 OF THE EROSION SEDIMENT CONTROL FIELD MANUAL.

PERMANENT SEEDING: SEE ATTACHMENT #1

TEMPORARY SEEDING TO BE APPLIED TO ALL SLOPES AFTER CONSTRUCTION.

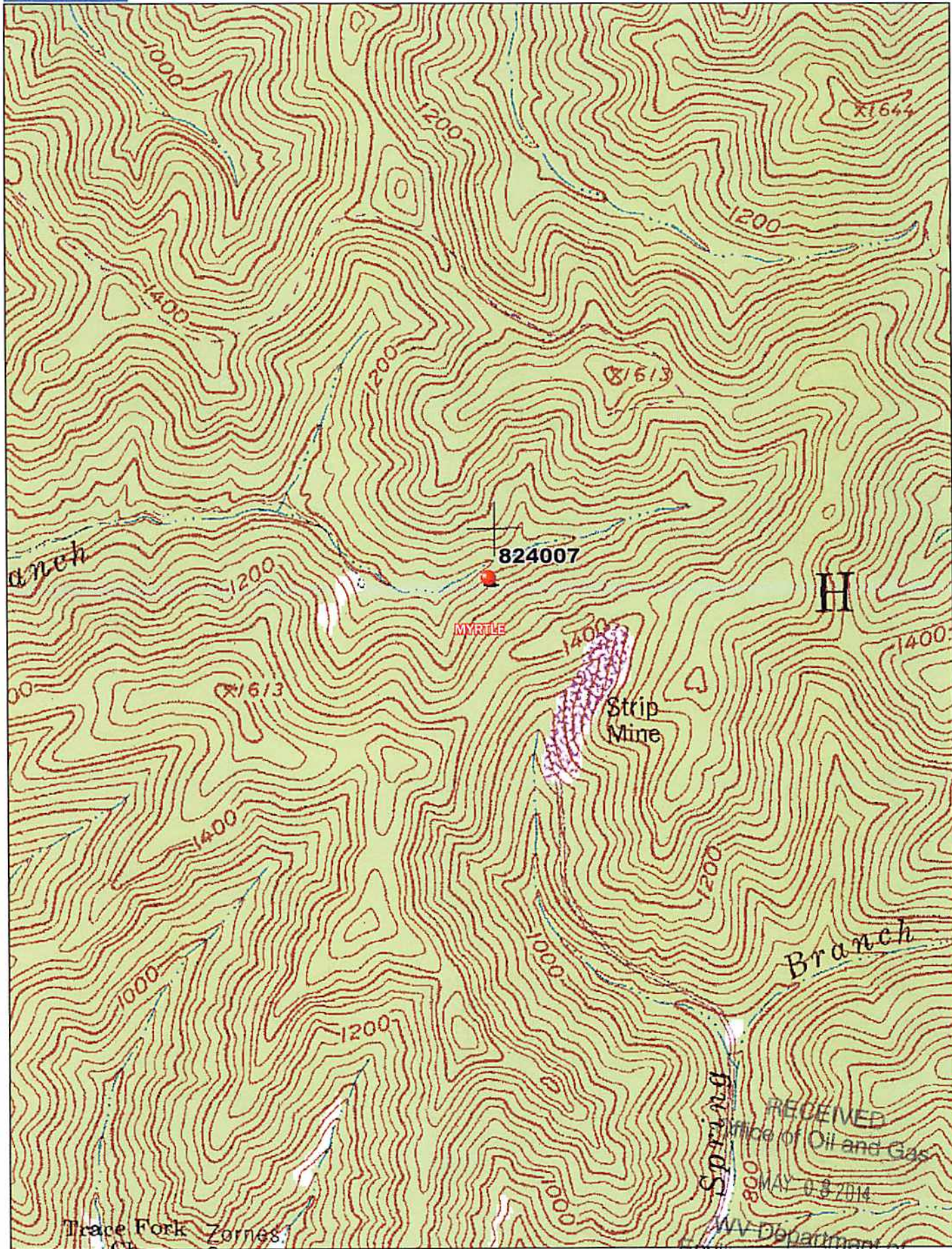


**CONSTRUCTION & RECLAMATION SITE PLAN
PROPOSED PLUG AND ABANDONMENT
WELL 824007**

Located Near The Community Of Trace
In The Hardee District Of Mingo county
West Virginia.

DATE: 4-17-14
DRAWN BY: JDH

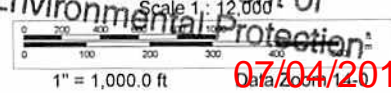
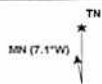
SCALE: Not To Scale
824007 P&A Rec Plan.dwg



Data use subject to license.

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www.delorme.com



07/04/2014

80'

405'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 37°47'30"

WILLIAMSON MINING & MANUFACTURING

HENSLEY

BRANCH

24007

S 80° 23' E
1,020'

STP. HOLE
CL GAP
14" HY. PTR.

S 68° 18' W
840'

STK ON RDG
12" HY PTR.

GAIL HALL
74/472

P- 1315

P- 1309

WILLIAMSON MINING & MANUFACTURING

2" IRON ROD
CL KNOB

HEARTWOOD FORESTLAND FUND II, LP

P- 1348

B.O. SNAG
ON KNOB

LINDA PEARCE
TM 305 PAR 40
640 - 649
121 AC

BRANCH

SPRING

NORTH

LONGITUDE 82°12'30"

SURFACE HOLE

STATE PLANE WV
NORTH/SOUTH ZONE NAD 1927
N - 290,118.17 : E - 1,650,751.07

LATITUDE: (N) 37.7906001
LONGITUDE: (W) 82.2084759

UTM, NAD83
17 - 84W TO 78W, METERS
N - 4,183,269.76 : E - 393,598.07

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

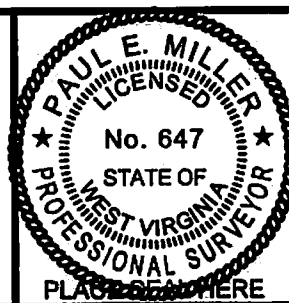
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. CA 824007.DGN
DRAWING NO. CA 824007 P&A
SCALE 1" = 1000'
MINIMUM DEGREE OF
ACCURACY 1:200
PROVEN SOURCE OF
ELEVATION MAPPING 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 ENERGY.

(SIGNED) *Paul E. Miller*

R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA
DIVISION OF ENVIROMENTAL PROTECTION
OIL AND GAS DIVISION



DATE MARCH 31, 20 14
OPERATOR'S WELL NO. 824007
API WELL NO. _____

47 059 01366 P
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 1100' WATER SHED HENSLEY BIG BRANCH OF TUG FORK RIVER

DISTRICT HARDEE COUNTY MINGO

QUADRANGLE MYRTLE, WV 7.5'

SURFACE OWNER GAIL HALL ACREAGE 95

OIL & GAS ROYALTY OWNER MINGO OIL & GAS LEASE ACREAGE 3677.08

LEASE NO. PT-1057553

07/04/2014

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____

TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLESPIE

ADDRESS P.O. BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

FORM WW-6

COORDINATE KING/MS/E
PERMIT



5901366
CK 5139976
100.00

CERTIFIED MAIL

May 5, 2014

Mr. James Martin
Division of Environmental Protection
Office of Oil and Gas - Permitting
601 57th Street SE
Charleston, WV 25304

Dear Mr. Martin:

Chesapeake Appalachia, L.L.C. proposes to plug and abandon Well 824007, API No. 47-059-01366. Please find attached a check in the amount of \$100.00 for the permit fee and the permit applications to plug and abandon.

If you have any questions, please call our Honey Branch office (606) 298-3400 or email dave.stumbo@chk.com.

Sincerely,

A handwritten signature in black ink that reads "David Stumbo sm".

David Stumbo,
Production Superintendent

Enclosure: Permit Application Package to Plug and Abandon

C: Jeremy James - Inspector
P. O. Box 147
Ona, WV 25545

RECEIVED
Office of Oil and Gas
MAY 08 2014
WV Department of
Environmental Protection