



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 24, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4300122, 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: 4370
Farm Name: VICKERS, C. F.
API Well Number: 47- 4300122
Permit Type: Plugging
Date Issued: 06/24/2015

Promoting a healthy environment.

06/26/2015

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

4300122P.

FORM WW-4 (B)
Observe
File Copy
(Rev. 2/01)

*Inspector's
Signed Copy*

1) Date: 4/22/2015
2) Operator's Well No. 804370 P&A
3) API Well No. 47-043-00122

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas Liquid injection Waste disposal
 (Is Gas, Production or Underground storage) Deep Shallow
- 5) Location: Elevation 782' Watershed Laurel Creek of Mud River
 District Carroll County Lincoln Quadrangle Hamlin, WV 7.5'
- 6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Jessica Greathouse
 Address P.O. Box 18496 Address P.O. Box 6070
Oklahoma City, OK 73154-0496 Charleston, WV 25362
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
 Name Ralph Triplett Name Chesapeake Appalachia, L.L.C.
 Address 5539 McClellan Highway Address P.O. Box 18496
Branchland, WV 25506 Oklahoma City, OK 73154-0496

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached Sheet

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Office of Oil and Gas
MAY 06 2015
WV Department of
Environmental Protection

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

Work Order approved by Inspector

Ralph D. Triplett

Date 05/04/15

06/26/2015

804370 P&A PROCEDURE

- 1) Prepare road and location, MIRU Service rig
- 2) Run in hole to check TD (approximately 2100')
- 3) Attempt to pull 3" and packer
 - A) If successful
 - a) Rip or shoot holes in 6 5/8" approximately at 1525', 1500', 1335' and 1310'
 - b) Run W.S. to 2100', spot gel
 - c) Spot 125' cement plug 2100'-1975', pull W.S. to 1530'
 - d) Proceed to step 4
 - B) If unsuccessful
 - a) Run W.S. to 2100', spot gel
 - b) Spot 150' cement plug 2100'-1950', pull W.S.
 - c) Cut 3" at free-point (approximately 1850') and pull
 - d) Rip or shoot holes in 6 5/8" approximately at 1525', 1500', 1335' and 1310'
 - e) Run W.S. to 1850', spot gel
 - f) Spot 100' cement plug 1850'-1750', pull W.S. to 1530'
 - g) Proceed to step 4
- 4) Spot 100' cement plug 1530'-1430', pull W.S. to 1340'
- 5) Spot 100' cement plug 1340'-1240', pull W.S.
- 6) Cut 6 5/8" at free-point (approximately 875') and pull
- 7) Run W.S. to 875', spot gel
- 8) Spot 150' cement plug 875'-725', pull W.S. to 345'
- 9) Spot 100' cement plug 345'-245', pull W.S. to 170'
- 10) Spot 170' cement plug 170'-surface
- 11) Pull W.S. and top off with cement
- 12) Erect monument and reclaim as prescribed by law

ok
RDT

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MAY 06 2015
WV Department of
Environmental Protection

06/26/2015

UNITED FUEL GAS COMPANY

Well 804370
API 47-043-001.22P
Page 1 of 2
MAP SQUARE 54-28

SERIAL WELL NO. **4370**

LEASE NO. **24329**

MAP SQUARE **54-28**

<p>RECORD OF WELL No. 4370 on the C.F. Vickers Farm of 165 Acres in Carroll District Lincoln County Branchland Field, State of W. Va.</p> <hr/> <p>Rig Commenced Furnished by Contractor 193 Bitto Rig Completed 193 Drilling Commenced April 27, 1932 193 Drilling Completed May 30, 1932 193 Drilling to cost _____ per foot Contractor is: G.H. Jackson Address: Hamlin, W. Va. Driller's Name A.P. Brookover Laird Moore Elev 920 Bar.</p>	<p style="text-align: center;">CASING AND TUBING</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">SIZE</th> <th style="width:35%;">USED IN DRILLING</th> <th style="width:35%;">LEFT IN WELL</th> </tr> <tr><td>16</td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td></tr> <tr><td>10</td><td>37</td><td>37</td></tr> <tr><td>8 1/4</td><td>287</td><td>Failed</td></tr> <tr><td>6 5/8</td><td>1893</td><td>1893</td></tr> <tr><td>5 3/16</td><td></td><td></td></tr> <tr><td>4 7/8</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>3</td><td>2167</td><td>2167</td></tr> <tr><td>2</td><td></td><td></td></tr> </table> <p style="text-align: center;">SHUT IN</p> <p>Date June 3, 1932 3 in Tubing or 2 1/2 Size of Packer 3x6 5/8x16 Kind of Packer Anchor 1st Perf. Set 245 from 2135 2nd Perf. Set 2110 from 2089</p>	SIZE	USED IN DRILLING	LEFT IN WELL	16			13			10	37	37	8 1/4	287	Failed	6 5/8	1893	1893	5 3/16			4 7/8			4			3	2167	2167	2			<p style="text-align: center;">TEST BEFORE SHOT</p> <p>20 of Water in 1 inch 10ths. 10 of Merc. in _____ inch 10ths. Volume 265,100 Cu. ft.</p> <hr/> <p style="text-align: center;">TEST AFTER SHOT</p> <p>10 of Water in 2 inch 10ths. 10 of Merc. in _____ inch 10ths. Volume 180,720 Cu. ft. Rock Pressure 370 Date Shot 6/28/32 Size of Torpedo _____ Oil Flowed _____ bbls. 1st 24 hrs. Oil Pumped _____ bbls. 1st 24 hrs. Well abandoned and Plugged _____ 193 1942'</p>
SIZE	USED IN DRILLING	LEFT IN WELL																																	
16																																			
13																																			
10	37	37																																	
8 1/4	287	Failed																																	
6 5/8	1893	1893																																	
5 3/16																																			
4 7/8																																			
4																																			
3	2167	2167																																	
2																																			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Surface	0	30	20	No casing shoe or packer used on bottom of 8" or 10" casing. 6 5/8"x8"x10" B.H. packer used on bottom of 6 5/8" casing. All gas pays, casing points and total depth all S.L.M.
White slate	30	65	55	
Sand	65	100	35	
Slate	100	130	30	
Sand	130	140	10	
Coal	140	141 1/2	1 1/2	
Slate	141 1/2	180	38 1/2	
Sand	180	225	45	
Slate	225	255	30	
Sand	255	277	22	
Coal	277	278	1	
Slate	278	300	22	
Sand	300	550	250	
Black slate	550	665	105	
Sand	665	685	20	
Slate & Shells	685	840	155	
Salt Sand	840	1032	192	Hole full of water at 910'
Dark slate	1032	1057	25	
Salt Sand	1057	1230	173	
Slate & Shells	1230	1250	20	
Red rock	1250	1260	10	
Slate & Shells	1260	1296	36	
Little lime	1296	1327	31	
Pencil Cave	1327	1321	6	
Big lime	1321	1511	180	
Big Injun	1511	1545	34	
Slate	1545	1545	-	

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WV Department of
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06/26/2015

UNITED FUEL GAS COMPANY

Well 804370
API 47-043-00122 P
Page 2 of 2

SERIAL WELL NO. **4370**

LEASE NO. _____

MAP SQUARE _____

RECORD OF WELL No.

on the

C.F. Vickers

Farm of

Acres

in

District

County

Field, State of

CASING AND TUBING

TEST BEFORE SHOT

SIZE	USED IN DRILLING	LEFT IN WELL
16		
13		
10		
8 1/4		
6 5/8		
5 3/16		
4 7/8		
4		
3		
2		

_____ of Water in _____ inch
10ths.
_____ of Merc. in _____ inch
10ths.
Volume _____ Cu. ft.

TEST AFTER SHOT

_____ of Water in _____ inch
10ths.
_____ of Merc. in _____ inch
10ths.
Volume _____ Cu. ft.

Rock Pressure

Date Shot _____

Size of Torpedo _____

Oil Flowed _____ bbls. 1st 24 hrs.

Oil Pumped _____ bbls. 1st 24 hrs.

Rig Commenced 193

Rig Completed 193

Drilling Commenced 193

Drilling Completed 193

Drilling to cost _____ per foot

Contractor is:

Address:

Driller's Name

SHUT IN

Date _____

_____ in _____ Tubing or Casing

Size of Packer _____

Kind of Packer _____

1st Perf. Set _____ from _____

2nd Perf. Set _____ from _____

Well abandoned and

Plugged _____ 193

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Squaw	1580	1600	50	
Slate & Shells	1600	1728	128	
Shells	1728	1733	5	
Slate & Shells	1733	1820	97	
Lime Shells	1820	1888	68	
Lime Shells Broken	1888	1928	40	
Lime Shells	1928	1955	27	
Slate & Shells	1955	1980	25	
White Slate	1980	2065	85	
Brown Shale	2065	2078	13	
Berea Sand	2078	2095	17	
Slate	2095	2145	50	
Total depth			2145	

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APR 24 2015

6' in Berea sand gas per 12/10 water
15' WV Department of
17' Ditto Environmental Protection 24/10
20/10

1 hour after shot 24/10 water 2"

APPROVED BY
[Signature]

06/26/2015

4300122P

WW4-A
Revised
2/01

1) Date: 4/22/2015
2) Operator's Well No. 804370 P&A
3) API Well No. 47-043-00122

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
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:
(a) Name Lee Calvert Investments
Address 5609 N Classen Blvd Ste 100
P.O. Box 54589
Oklahoma City, OK 73118
(b) Name HKCWVA LLC
Address 2726 Bissonnett Street
Suite 240
Houston, TX 77005
(c) Name See attached sheet for
Address additional surface owners

6) Inspector Ralph Triplett
Address 5539 McClellan Highway
Branchland, WV 25506

Telephone 304-389-0350

5) Coal Operator
(a) Name None

Coal Owner(s) with Declaration
(b) Name The Calvert Company
Address 5609 N Classen Blvd Ste 100
P.O. Box 54589
Oklahoma City, OK 73118

Name Lee Calvert Investments LLC
Address 5609 N Classen Blvd Ste 100
P.O. Box 54589
Oklahoma City, OK 73118

Name HKCWVA LLC
Address 2726 Bissonnett Street
Suite 240
Houston, TX 77005

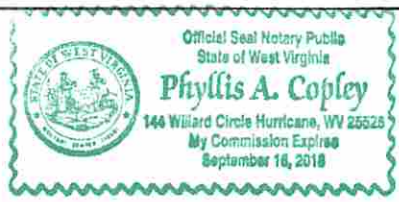
Coal Lessee with Declaration
(c) Name None
Address _____

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 the 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 the 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: R.S. DeHaven
Its: Completion Superintendent
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 22nd day of April the year of 2015
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2018

06/26/2015

4300122P

API: 47-043-00122
Well Number: 804370

SURFACE OWNERS

The Calvert Company
5609 N Classen Blvd Ste 100
P.O. Box 54589
Oklahoma City, OK 73118

David A. & Leshia A. Vickers
46 Quaint Road
West Hamlin, WV 25571

06/26/2015

Well 804370

API 47-043-00122

4300122P

7014 3490 0000 3911 7573

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HOUSTON TX 77005

Postage	\$ 1.61	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage & Fees	\$ 7.61	04/23/2015

Sent To: **804370 P&A**
 HKCWVA LLC
 2726 Bissonnet Street, Suite 240
 Houston, Texas 77005

PS Form 3800

7014 3490 0000 3911 7580

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OKLAHOMA CITY OK 73118

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Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage & Fees	\$ 7.61	04/23/2015

Sent To: **804370 P&A**
 Lee Calvert Investments
 5609 N Classen Blvd, Suite 100
 P.O. Box 54589
 Oklahoma City, OK 73118

PS Form 3800

7014 2120 0003 6636 6436

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WEST HAMLIN WV 25571

Postage	\$ 1.40	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage & Fees	\$ 7.40	04/23/2015

Sent To: **804370 P&A**
 David A. & Leshia A. Vickers
 46 Quaint Road
 West Hamlin, WV 25571

PS Form 3800

7014 2120 0003 6636 6443

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OKLAHOMA CITY OK 73118

Postage	\$ 1.61	0523
Certified Fee	3.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
Total Postage & Fees	\$ 7.61	04/23/2015

Sent To: **804370 P&A**
 The Calvert Company
 5609 N Classen Blvd, Suite 100
 P.O. Box 54589
 Oklahoma City, OK 73118

PS Form 3800

CK 5264516
10000

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WV Department of
Environmental Protection

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4300122P

Form WW-9
Rev. 02/01

API Number 47-043-00122
Operator's Well No. 804370 P&A

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 Laurel Creek of Mud River Quadrangle Branchland, WV 7.5'

Elevation 782' County Lincoln District Carroll

Description of anticipated Pit Waste: Plugging Returns/Cement

Will a synthetic liner be used in the pit? Yes 20 ml.

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
- Swabbing
- Plugging
- Other (Explain _____)

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 R.E. Schindler

Company Official (Typed Name) Robert E. Schindler

Company Official Title Completions Superintendent

Subscribed and sworn before me this 22nd day of April, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

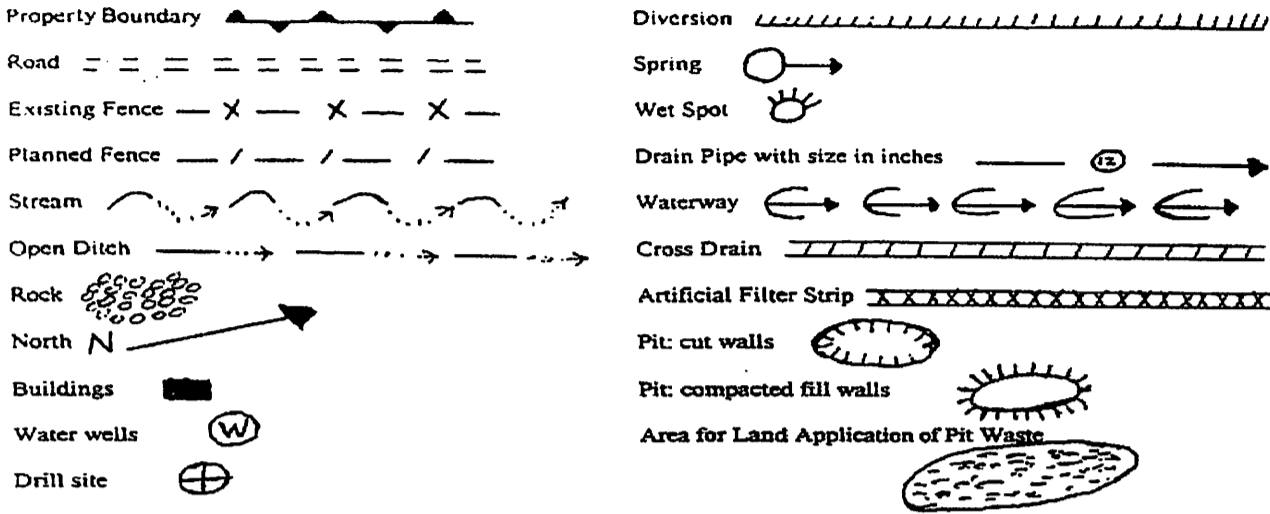


06/26/2015

Attachment #1

API #: 47-043-00122
Operator's Well No. 804370 P&A

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH 6.1

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

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
CHESAPEAKE CONTRACTOR'S MIX	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: Ronald D. Truplett

Title: District Inspector

Date: May 4, 2015

Field Reviewed? () Yes () No

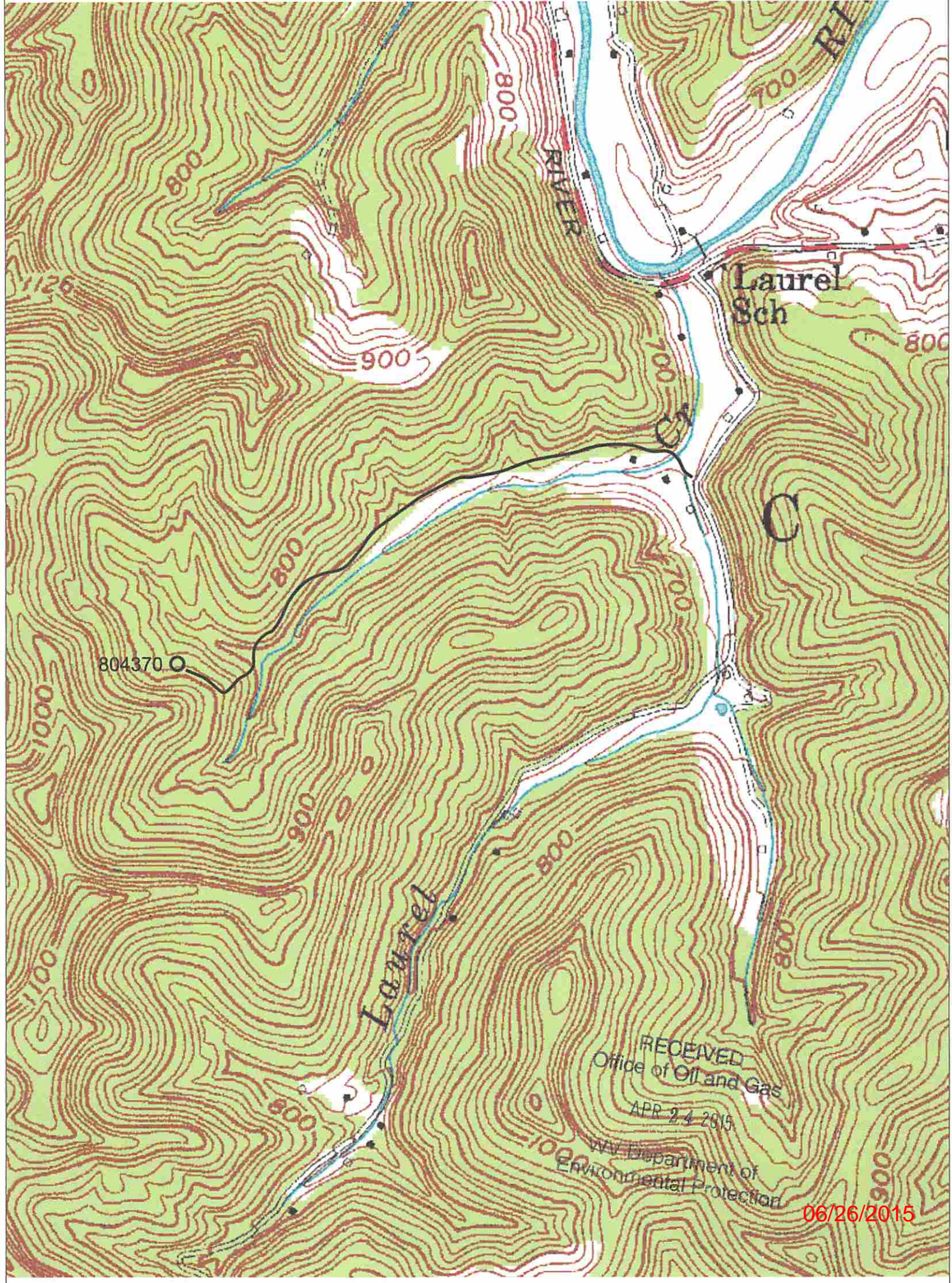
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Environmental Protection

4300122P

CHESAPEAKE APPALACHIA, L.L.C.

TOPOGRAPHICAL MAP OF ACCESS AND WELL LOCATION 804370

API 47-043-00122

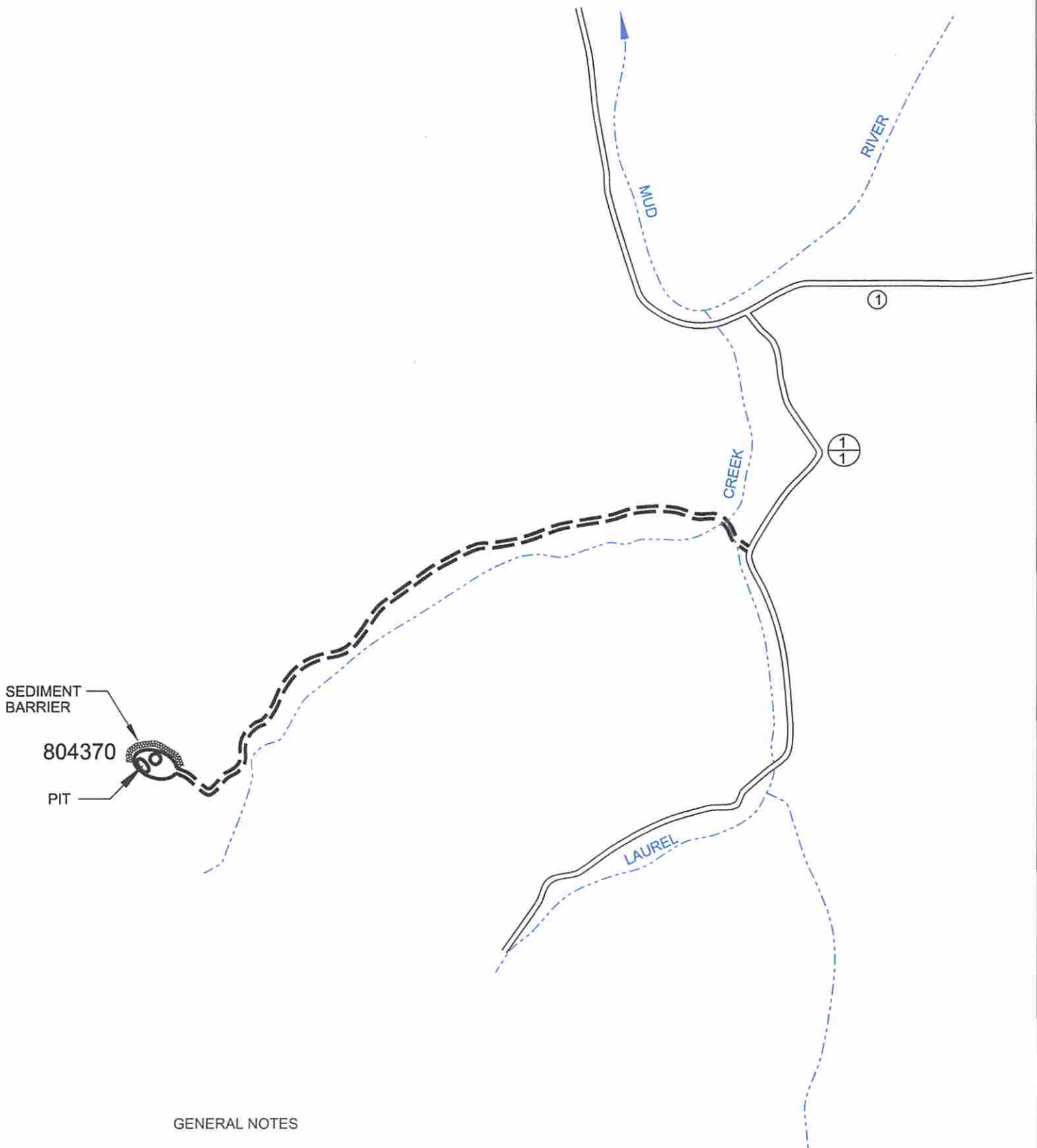


CHESAPEAKE APPALACHIA, L.L.C.

4300122P

RECLAMATION DIAGRAM
WELL LOCATION 804370

API 47-043-00122



GENERAL NOTES

This drawing is a schematic representation of the 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.

All culvert pipes will be a minimum of 15 inches in diameter. All culvert pipes installed will be accompanied by an entrance sump with dimensions no less than 3 feet (width) x 3 feet (length) x 4 feet (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 sedimentation.

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 in areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1.

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Office of Oil and Gas

06/26/2015

APR 24 2015

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°20'

NORTH

LONGITUDE 82°05'

10,504'

804370

STRAIGHT FORK

LAUREL CREEK

USGS BM 975'
160JJS
Y-1956

802431
P-01906

S 38°08' W - 5194'

S 25°22' W - 4163'

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

WELL SITE
STATE PLANE WV SOUTH ZONE NAD 1927 N - 476,931.97 : E - 1,678,943.18
LATITUDE: (N) 38.3044712° LONGITUDE: (W) 82.1188686°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,240,199.562 : E - 402,184.667

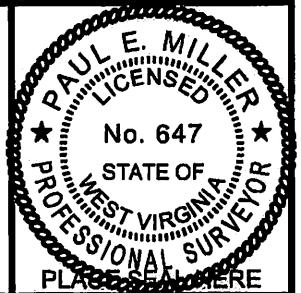
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	804370 P&A.DGN
DRAWING NO.	804370 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 ENVIRONMENTAL PROTECTION.

(SIGNED) *Paul E. Miller*

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



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



DATE MARCH 20, 20 15
OPERATOR'S WELL NO. 804370
API WELL NO.

47 043 00122 P
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 782' WATER SHED LAUREL CREEK OF MUD RIVER

DISTRICT CARROLL COUNTY LINCOLN

QUADRANGLE HAMLIN, WV 7.5'

SURFACE OWNER LEE CALVERT INVESTMENTS ACREAGE -

OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 165

LEASE NO. 1024329

06/26/2015

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 X CLEAN OUT AND REPLUG ___

TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE

ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME PERMIT

I
Now

Operator: CHESAPEAKE APPALACHIA, L.L.C.
API: 4300122
WELL No: 4370
Reviewed by: gmm Date: 6/22/15
15 Day End of Comment: 04/29/15

*Well is on an Agreed Order

CHECKLIST FOR FILING A PERMIT

Plugging

CK# 5264576
\$100.00

- WW-4B
- Inspector signature on WW-4B
- Completion / Well Records of Previous Work
- WW-4A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-9 (Page 1) (Notarized)
- Inspector Signature on WW-9 (Optional)
- Topographic Map of location of well
- WW-7

OR

- Mylar Plat (Surface owner on plat matches WW-4A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$100.00 check (\$0.00 if no pit)

06/26/2015