



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

October 15, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10301308, issued to LEATHERWOOD, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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: 2
Farm Name: STEWART, J. T.
API Well Number: 47-10301308
Permit Type: Plugging
Date Issued: 10/15/2015

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

1. 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.

Leatherwood, Inc.
Gerald Ramsburg
1000 Consol Energy Drive
Canonsburg, PA 15317

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

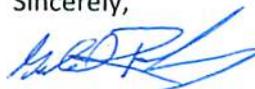
Plugging Permit Application – Well “Stewart #2”

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well. This well is one of many to be plugged in order to comply with Leatherwood’s consent order.

If any further information or correspondence is required, please contact Erika Whetstone at (724) 627-1492 or ErikaWhetstone@consolenergy.com.

Sincerely,



Gerald Ramsburg

RECEIVED
Office of Oil and Gas
SEP 24 2015
West Virginia Department of
Environmental Protection

1) Date _____, 2014
2) Operator's
Well No. Stewart #2
3) API Well No. 47-103 - 01308

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 x/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production x or Underground storage ____) Deep ____/ Shallowx

5) Location: Elevation 1419.72 Watershed West Virginia Fork Fish Creek
District Church County Wetzel Quadrangle Hundred

6) Well Operator Leatherwood, Inc. 7) Designated Agent Seth Wilson
Address 1000 Consol Energy Drive Address 7000 Hampton Center, Suite K
Canonsburg, PA 15317 Morgantown, WV 26505

8) Oil and Gas Inspector to be notified Name Derek Haught
Address P.O. Box 85
Smithville, WV 26178
9) Plugging Contractor Name Contractor Services Inc. (CSI)
Address 929 Charleston Rd.
Spencer, WV 25776

10) Work Order: The work order for the manner of plugging this well is as follows:
Please see attached pages.

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

Office of Oil and Gas

Work order approved by inspector [Signature] Date 9-18-15

WV Department of Environmental Protection

Stewart #2

API 47-103-01308

Church District

Wetzel County

Location: Hundred Northing: 431,793.91

Easting: 1,695,379.90

Elevation: 1419.72

Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth to the surface, casing will be removed so that only fully cemented casing strings will be left in the wellbore. Intact and uncemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, any casing shall be ripped, cut, or perforated on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or attainable bottom to 100 ft. above any mineable coal seam. From that point to the surface, Class A cement with no more than 3% CaCl₂ and no other additives shall be used to fill the wellbore. A monument with the API number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6. The disturbed areas shall be graded, seeded and mulched as required. Site to be reclaimed as soon as possible.

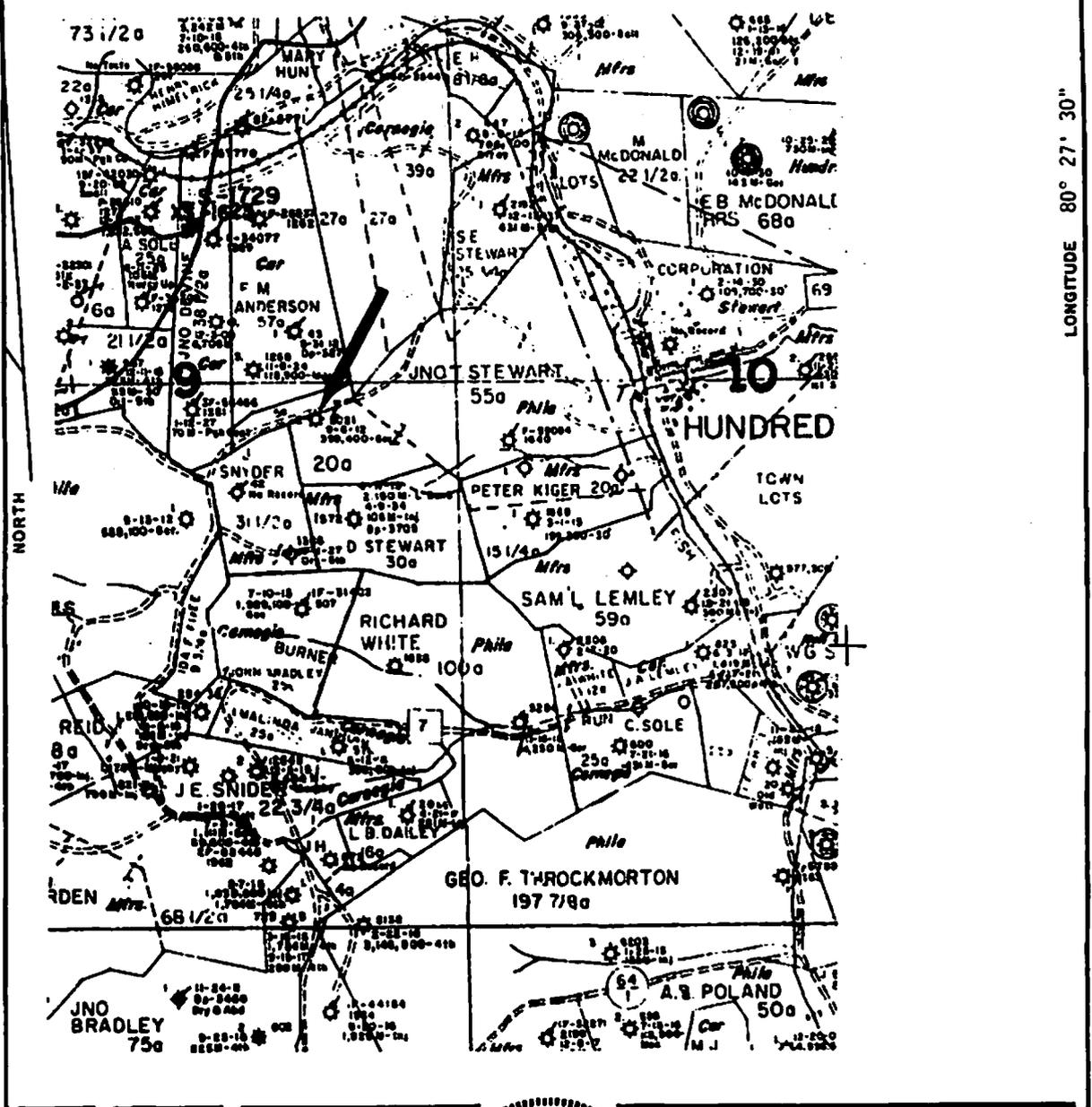
DMH
9-18-15

RECEIVED
Office of Oil and Gas

SEP 24 2015

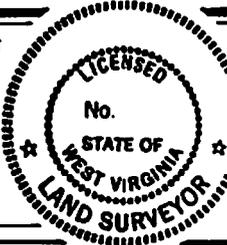
WV Department of
Environmental Protection

LATITUDE 39° 42' 30"



LONGITUDE 80° 27' 30"

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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE July 29, 19 95
 OPERATORS WELL NO. 1
 API WELL NO. 47 - 103 - 1308
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. _____
 PROVEN SOURCE OF ELEVATION _____ SCALE 1" = 1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
 ELEVATION 1430 WATERSHED West Virginia Fork Fish Creek
 DISTRICT Clay COUNTY Wetzel QUADRANGLE Hundred

SURFACE OWNER _____ ACREAGE _____
 ROYALTY OWNER J. T. Stewart LEASE ACREAGE _____

PROPOSED WORK: _____ LEASE NO. _____
 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 SEP 24 2015
 ESTIMATED DEPTH _____

WELL OPERATOR Tri-County Oil & Gas DESIGNATED AGENT _____
 ADDRESS _____ ADDRESS _____

COUNTY NAME PERMIT

Gas

of

Daye Sheet 1985



IV-35 (Rev 8-81)

Date 6-11-84
Operator's Well No. J. T. Stewart #1
Farm J. T. Stewart
API No. 47-103-1308

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)
LOCATION: Elevation: 1422 Watershed
District: Church County Wirtel Quadrangle Hundred

COMPANY: Tri-County Oil & Gas, Inc.
ADDRESS: Box 970 Hundred, W.V. 26575
DESIGNATED AGENT: Ronald L. Hayward
ADDRESS: Box 970 Hundred, W.V. 26575
SURFACE OWNER
ADDRESS
MINERAL RIGHTS OWNER
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
ADDRESS
PERMIT ISSUED
DRILLING COMMENCED: 6-26-82
DRILLING COMPLETED: 9-30-82
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	SEE Attached		
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION: 5th Sand Depth: 3551 feet
Depth of completed well: 3551 feet Rotary / Cable Tools
Water strata depth: Fresh / Salt feet
Coal seam depths: 102-106, 111-114 Is coal being mined in the area? N

OPEN FLOW DATA
Producing formation: Big Spring Pay zone depth: 2456 feet
Gas: Initial open flow 710 Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 230 psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)
Second producing formation: None Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

SEP 24 2008
of action

1985

1980

103-1308

The Philadelphia Company of West Virginia



Pittsburgh, Pa.

Sept. 4th, 1912.

W. L. McCLOY,
General Superintendent
J. A. REED,
Asst. General Superintendent
#10771.

Mr. John Gates, Jr.,
Land Agent.

Dear Sir:-

Well No. 5021, J. T. Stewart et ux farm, Church District, Wetzel Co., W. Va., was completed on August 30th, 1912, at a total depth of 3551 feet in slate, and is productive of gas. Pittsburgh Coal 1118 feet. Sands as follows:-

	TOP	BOTTOM	
Big Lime	2300	2348	
Big Injun	2348	2580	Gas at 2456
Gordon Stray	3180	3210	
Fifth	3330	3345	

Well tubed and packed with 2428 feet of 3" Tubing, and one 6-5/8 x 3" Hook Wall Packer. 39 feet of tubing below packer. Pressure in 3" as follows:-

1/2 minute	-----	20 lbs.
1 "	-----	25 "
2 "	-----	35 "
3 "	-----	40 "
4 "	-----	45 "
5 "	-----	50 "
10 "	-----	75 "
15 "	-----	85 "
20 "	-----	90 "
30 "	-----	100 "

103-B

Yours truly,

W. L. McCloy
General Superintendent.

(118, Accu)

RECEIVED
Department of Oil and Gas

Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Stewart #2 _____
3) API Well No.: 47 - 103 - 01308

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>Fred Earnest Phillips & Jack Nelson Phillips</u> ✓	Name _____
Address <u>5048 St. Rt. 151</u>	Address _____
<u>Mingo Junction, OH 43938-6904</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>WPP LLC</u> ✓
_____	Address <u>1035 Third Ave, Suite 300</u>
_____	<u>Huntington, WV 25701</u>
(c) Name _____	Name <u>Fred Earnest Phillips & Jack Nelson Phillips</u> ✓
Address _____	Address <u>5048 St. Rt. 151</u>
_____	<u>Mingo Junction, OH 43938-6904</u>
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name <u>Consolidation Coal Company</u> ✓
<u>Smithville, WV 26178</u>	Address <u>1000 Consol Energy Drive</u>
Telephone <u>304-206-7613</u>	<u>Canonsburg, PA 15317</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.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jane M. Young, Notary Public
Cecil Twp., Washington County
My Commission Expires June 20, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator Leatherwood, Inc.
By: Gerald Ramsburg
Its: General Manager 
Address 1000 Consol Energy Drive
Canonsburg, PA 15317
Telephone 1-724-485-4081

Subscribed and sworn before me this 14 day of SEPTEMBER 2015
Jane M. Young Notary Public

My Commission Expires June 20, 2017

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.

RECEIVED
Office of Oil and Gas
SEP 15 2015
Department of
Environmental Protection

WW-9
(2/15)

API Number 47 - 103 - 01308
Operator's Well No. Stewart #2

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Leatherwood, Inc. OP Code 494476721

Watershed (HUC 10) West Virginia Fork Fish Creek Quadrangle Hundred

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: N/A

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

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

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? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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.

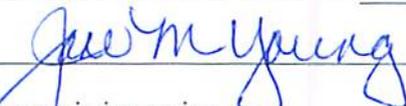
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 

Company Official (Typed Name) Gerald Ramsburg

Company Official Title General Manager - Leatherwood, Inc.

Subscribed and sworn before me this 14 day of SEPTEMBER, 20 15



My commission expires _____

Notary Public

RECEIVED
Office of Oil and Gas

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jane M. Young, Notary Public
Cecil Twp., Washington County
My Commission Expires June 20, 2017

Leatherwood, Inc.

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

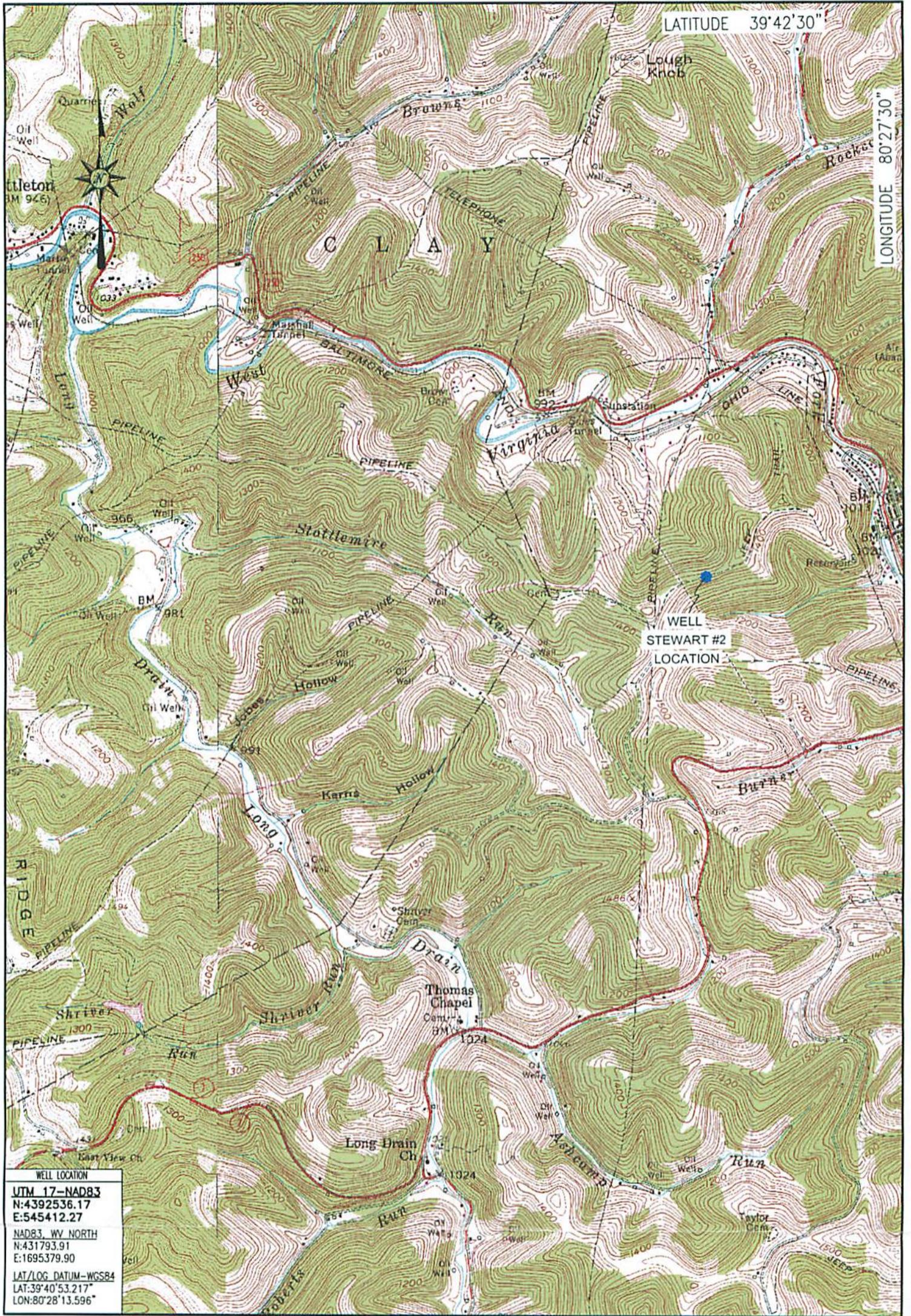
Title: Oil & Gas Inspector

Date: 9-18-15

Field Reviewed? Yes No

ENVIRONMENTAL PROTECTION
DEPARTMENT

SEP 24 2015



LOCATION MAP
SEPTEMBER 14, 2015

Dm4
9-18-15

Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

STEWART #2
HUNDRED QUADRANGLE
WEST VIRGINIA

SCALE 1" = 2000'
2000' 4000' 6000'

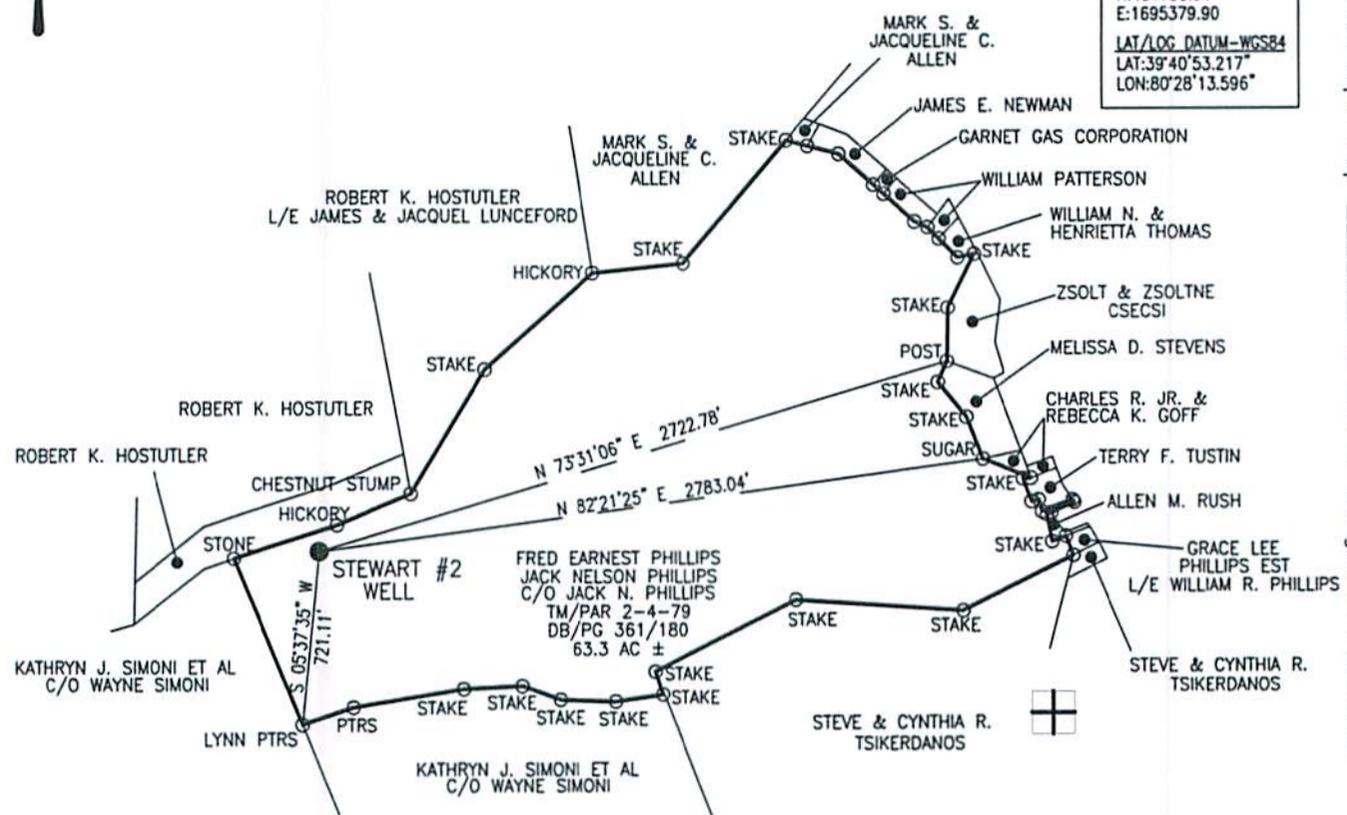


Well is located on topo map 9.793 feet south of Latitude: 39° 42' 30"

Well is located on topo map 3.408 feet west of Longitude: 80° 27' 30"

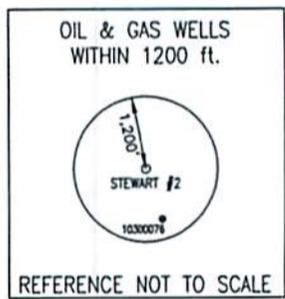


WELL LOCATION	
UTM 17-NAD83	
N:4392536.17	
E:545412.27	
NAD83_WY NORTH	
N:431793.91	
E:1695379.90	
LAT/LOG DATUM-WGS84	
LAT:39°40'53.217"	
LON:80°28'13.596"	



Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

NOTE:
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



FILE #: STEWART #2
 DRAWING #: STEWART #2
 SCALE: 1" = 800'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: SEPTEMBER 14, 2015
 OPERATOR'S WELL #: STEWART #2
 API WELL #: 47 103 01308 P
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: WEST VIRGINIA FORK FISH CREEK ELEVATION: 1419.72'
 COUNTY/DISTRICT: WETZEL / CHURCH QUADRANGLE: HUNDRED, WV 7.5'

SURFACE OWNER: FRED EARNEST PHILLIPS, JACK NELSON PHILLIPS, C/O JACK N. PHILLIPS ACREAGE: 63.3±

OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: 5th SAND ESTIMATED DEPTH: 3,551'±

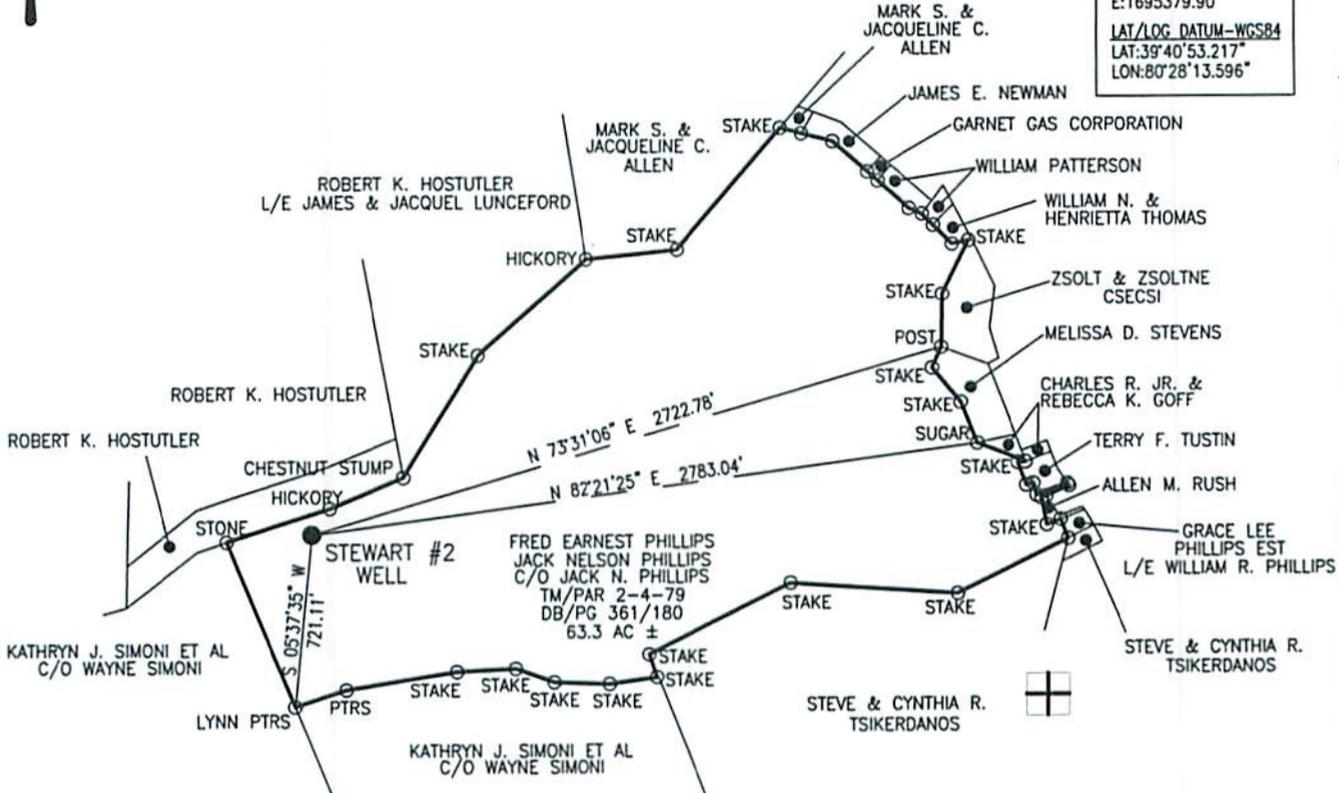
WELL OPERATOR LEATHERWOOD, INC. DESIGNATED AGENT SETH WILSON
 Address 1000 CONSOL ENERGY DRIVE Address 7000 HAMPTON CENTER, SUITE K
 City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26505

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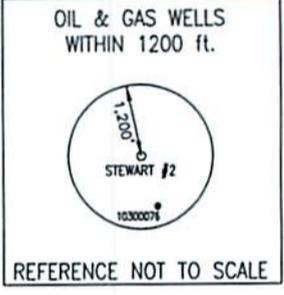


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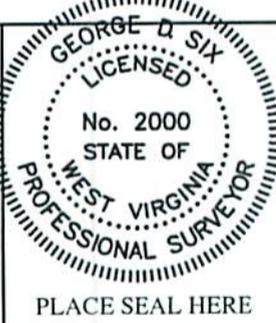
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Signed: [Signature]
 R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



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 API WELL #: 47 103 01308 P
 STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow

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 SURFACE OWNER: FRED EARNEST PHILLIPS, JACK NELSON PHILLIPS, C/O JACK N. PHILLIPS ACREAGE: 63.3±
 OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: 5th SAND ESTIMATED DEPTH: 3,551'±
 WELL OPERATOR LEATHERWOOD, INC. DESIGNATED AGENT SETH WILSON
 Address 1000 CONSOL ENERGY DRIVE Address 7000 HAMPTON CENTER, SUITE K
 City CANONSBURG State PA Zip Code 15317 City MORGANTOWN State WV Zip Code 26505