



**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

August 25, 2014

**WELL WORK PERMIT**

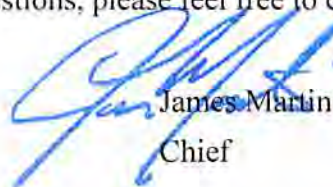
**Vertical Well**

This permit, API Well Number: 47-3503023, issued to FRANCIS WELL SERVICE, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: STEWART #3  
Farm Name: FRAME, ADAM P.  
**API Well Number: 47-3503023**  
**Permit Type: Vertical Well**  
Date Issued: 08/25/2014

**Promoting a healthy environment.**

**08/29/2014**

## 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

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov) within 30 days of commencement of drilling.



WW - 2B  
(Rev. 8/10)

3503023  
650<sup>00</sup>  
✓ 8345

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

1) Well Operator: Francis Well Service, Inc.      18190      Jackson      Ravenswood      Liverpool 7.5'  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: Stewart #3      3) Elevation: 848

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

5) Proposed Target Formation(s): Berea Sand Proposed Target Depth: 2,700'

6) Proposed Total Depth: 2,700' Feet Formation at Proposed Total Depth: Berea Sand

7) Approximate fresh water strata depths: 600'

8) Approximate salt water depths: 1,600'

9) Approximate coal seam depths: N/A

10) Approximate void depths, (coal, Karst, other): N/A *OK. unknown to this area. JPS*

11) Does land contain coal seams tributary to active mine? No

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

Drill and complete a new well

**13) CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor						<i>OK James Stewart</i>
Fresh Water	8 5/8"		29#	650'	650'	35 CSR 18-11-3, 300 SA Class A
Coal						<i>CB</i>
Intermediate						
Production	4 1/2"		25#	2,700'	2,700'	RECEIVED Office of Oil and Gas 35 CSR 18-11-3, 300 SA Class A
Tubing						JUL 30 2014
Liners						WV Department of Environmental Protection

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

08/29/2014

Received

3503023

WW-2A  
(Rev. 6-07)

JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

1.) Date: April 16, 2014  
2.) Operator's Well Number \_\_\_\_\_  
State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_  
3.) API Well No.: 47- \_\_\_\_\_ - \_\_\_\_\_

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

4) Surface Owner(s) to be served: (a) Name Adam Frame ✓ Address Rt 1 Box 272-C Leroy, WV 25252 (b) Name Address (c) Name Address  
5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Dennis Arnett Address 2160 Bellwood Drive ✓ St Albans, WV 25177 Name See additional sheet Address (c) Coal Lessee with Declaration Name Address  
6) Inspector Jamie Stevens Address 105 Kentuck Road Kenna, WV 25248 Telephone 304-206-7775

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

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

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

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

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

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

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

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Francis Well Service, Inc.  
By: John Francis (Signature)  
Its: President  
Address 622 North Church Street Ripley, WV 25271  
Telephone 304-532-0299

Subscribed and sworn before me this 16 day of July, 2014

(Signature) Notary Public

My Commission Expires 9-8-2019

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](mailto:depprivacyofficer@wv.gov)

08/29/2014



ADDITIONAL COAL OWNERS  
STEWART #3

Mark Arnett  
41913 Feldspar Place  
Stone Ridge ✓  
VA, 20105

Alfred Arnett ✓  
267 Talbott Circle  
Lewisburg, WV 24901

Received

JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

7013 1090 0001 7329 3417

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com).  
 RIPLEY WV 25271

Postage	\$	\$7.61	07/16/2014
Certified Fee		\$5.30	07
Return Receipt Fee (Endorsement Required)		\$2.70	07
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.61	07/16/2014

Sent to: **Mark Arnett**  
 Street, Apt. No., or PO Box No.: **41913 Feldspar Place**  
 City, State, ZIP+4: **Stone Ridge VA 20105**

PS Form 3800, August 2006 See Reverse for Instructions



3503023

7013 1090 0001 7329 3424

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com).  
 LEWISBURG WV 24901

Postage	\$	\$7.61	07/16/2014
Certified Fee		\$5.30	07
Return Receipt Fee (Endorsement Required)		\$2.70	07
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.61	07/16/2014

Sent to: **Alfred Arnett**  
 Street, Apt. No., or PO Box No.: **267 Talbot Circle**  
 City, State, ZIP+4: **Lewisburg, WV 24901**

PS Form 3800, August 2006 See Reverse for Instructions



7013 1090 0001 7329 3394

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com).  
 SAINT ALBANS WV 25177

Postage	\$	\$1.61	07/16/2014
Certified Fee		\$5.30	07
Return Receipt Fee (Endorsement Required)		\$2.70	07
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.61	07/16/2014

Sent to: **Dennis Arnett**  
 Street, Apt. No., or PO Box No.: **2160 Bellwood Dr.**  
 City, State, ZIP+4: **St. Albans, WV 25177**

PS Form 3800, August 2006 See Reverse for Instructions



7013 1090 0001 7329 3387

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com).  
 LEWISBURG WV 24901

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Return Receipt Fee (Endorsement Required)		\$2.70	07
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.61	07/16/2014

Sent to: **Adam Frame**  
 Street, Apt. No., or PO Box No.: **Rt. 1 Box 272-C**  
 City, State, ZIP+4: **Leroy, WV 25252**

PS Form 3800, August 2006 See Reverse for Instructions



*Handwritten signature and date:*  
 ✓ 7/29/2014

Received

JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

08/29/2014

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6, Section 8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Mrs. John Newton Stewart	K. C. Production of WV	3/16	LB167/170
K. C. Production of WV	William Edwards	working interest	not recorded
William Edwards	Francis Well Service	working interest	AB12/310

**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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Office of Oil and Gas

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activities are initiated.

WV Department of  
Environmental Protection

Well Operator: \_\_\_\_\_  
By: Its: \_\_\_\_\_

Francis Well Service, Inc.  
John Francis *John Francis*  
President

*[Signature]*  
08/29/2014



WW-2B1  
(5-12)

Well No. Stewart #3

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Sterm Environmental Services  
Sampling Contractor Mark T. Wine

Received

Well Operator Francis Well Service, Inc.  
Address 622 North Church Street  
Ripley, WV 25271  
Telephone 304-532-0299

JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

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JUL 30 2014

WV Department of  
Environmental Protection

*One Well Tested  
OK Jess  
7/28/2014*



LANDOWNERS WITHIN 1,000 FEET OF  
PROPOSED STEWART #3 GAS WELL  
LOCATED IN RAVENSWOOD DIST.  
JACKSON COUNTY, WV

John Francis, et al  
142 Warfield Road  
Leroy, WV 25252

Ezra & Terri Burdette  
465 Campbells Creek Drive  
Charleston, WV 25306

Jeffrey Hudnall, et al  
770 Campbells Creek Drive  
Charleston, WV 25306

David G. & Gladys jean Wade  
5620 Liverpool Road  
Leroy, WV 25252

Adam Frame  
Rt. 1 Box 272-C  
Leroy, WV 25252

— NOTE: Water well teasted

*[Handwritten signature]*  
7/28/2014

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JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Francis Well Service, Inc. OP Code 18190

Watershed (HUC 10) Right Fork of Sandy Creek Quadrangle Liverpool 7.5'

Elevation 848 County Jackson District Ravenswood

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

Will a pit be used for drill cuttings? Yes X No \_\_\_\_\_

If so, please describe anticipated pit waste: Frac Water, cement, gel,

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 30ml

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? No

Drilling medium anticipated for this well? Air, freshwater, ~~oil based~~, etc. Fresh Water, air

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

Additives to be used in drilling medium? none

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. leave in pit

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) sawdust

-Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *John Francis*

Company Official (Typed Name) John Francis

Company Official Title President

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Office of Oil and Gas

Subscribed and sworn before me this 16 day of July 2014

*M. T. White*

WV Department of  
Environmental Protection

My commission expires 09/08/2019

08/29/2014



Form WW-9

Operator's Well No. Stewart #3

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) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	40#	SAME	
KY 31 Fescue	40#		
Landine Clover	40#		

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

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

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JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

Title: Inspector

Date: 7/28/2014

Field Reviewed? (  ) Yes (  ) No

Reclamation plan  
STEWART #3

*Reclamation Drawing - Jamie Stewart 7/28/2014*

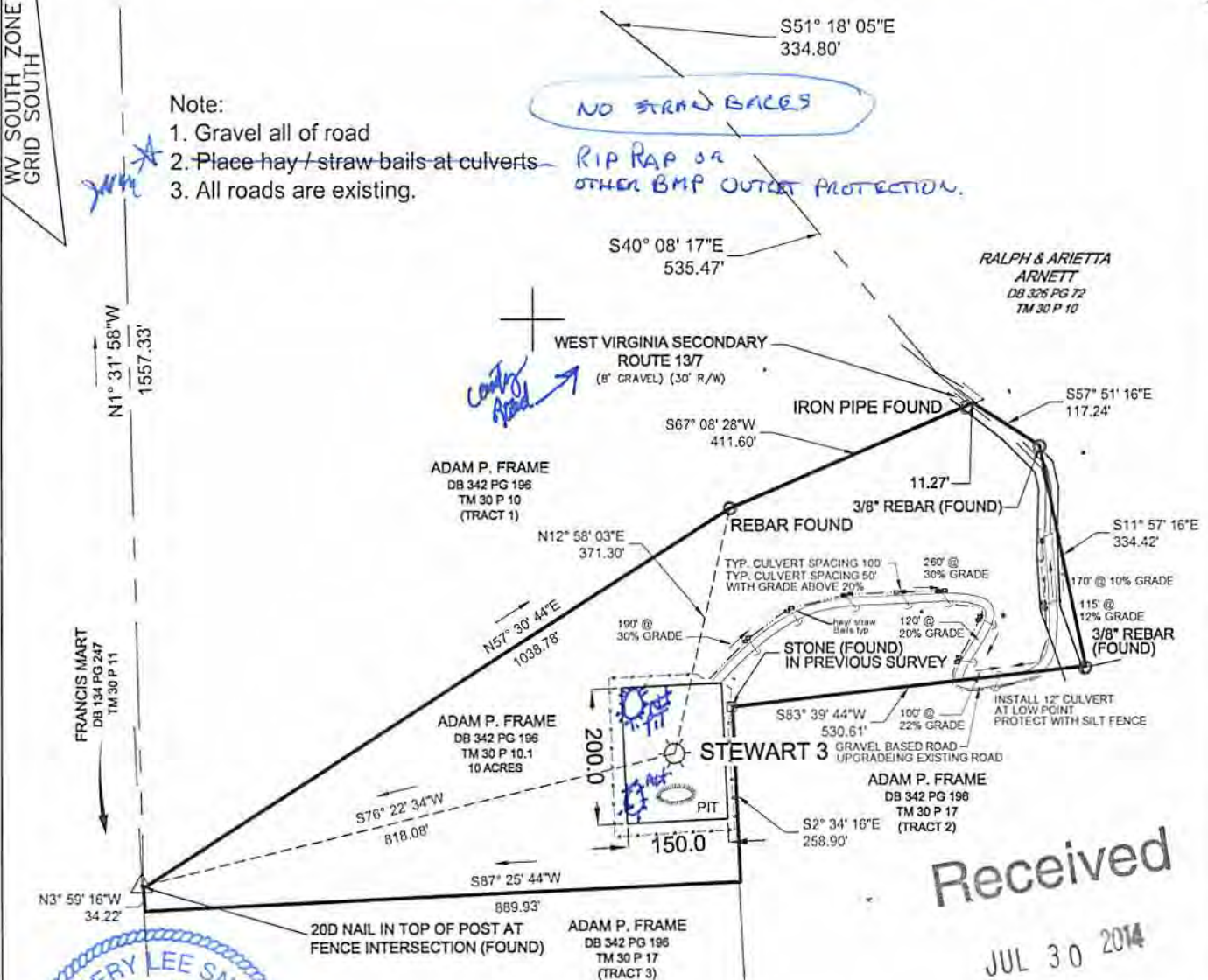
WV SOUTH ZONE  
GRID SOUTH

Note:

- 1. Gravel all of road
- 2. Place hay/straw bails at culverts
- 3. All roads are existing.

*NO STRAW BAGES*

*RIP RAP OR OTHER BMP OUTLET PROTECTION.*



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JUL 30 2014  
Office of Oil and Gas  
WV Dept. of Environmental Protection

JEFFERY L. SNYDER PS 2238

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

JOB # 13-500-25- Stewart 3  
DRAWING # 13-500-25  
SCALE 1" = 250'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER 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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

White Brothers Consulting LLC  
447 call road suite 216  
Charleston, WV 25312

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION 848 WATERSHED Right fork Sandy Creek DISTRICT Ravenswood COUNTY Jackson  
QUADRANGLE Liverpool 7.5'

SURFACE OWNER Adam P. Frame ACREAGE 10 ACRES +/-  
OIL & GAS ROYALTY OWNER Ralph D Arnett Estate LEASE ACREAGE 50 ACRES +/-  
PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG & ABANDON \_\_\_  
CLEAN OUT & REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_  
TARGET FORMATION Berea ESTIMATED DEPTH 2,700  
WELL OPERATOR Francis Well Service INC. DESIGNATED AGENT Paul Francis  
ADDRESS 622 North Church Street ADDRESS 622 North Church Street  
Ripley, WV 25271 Ripley, WV 25271

REFERENCES



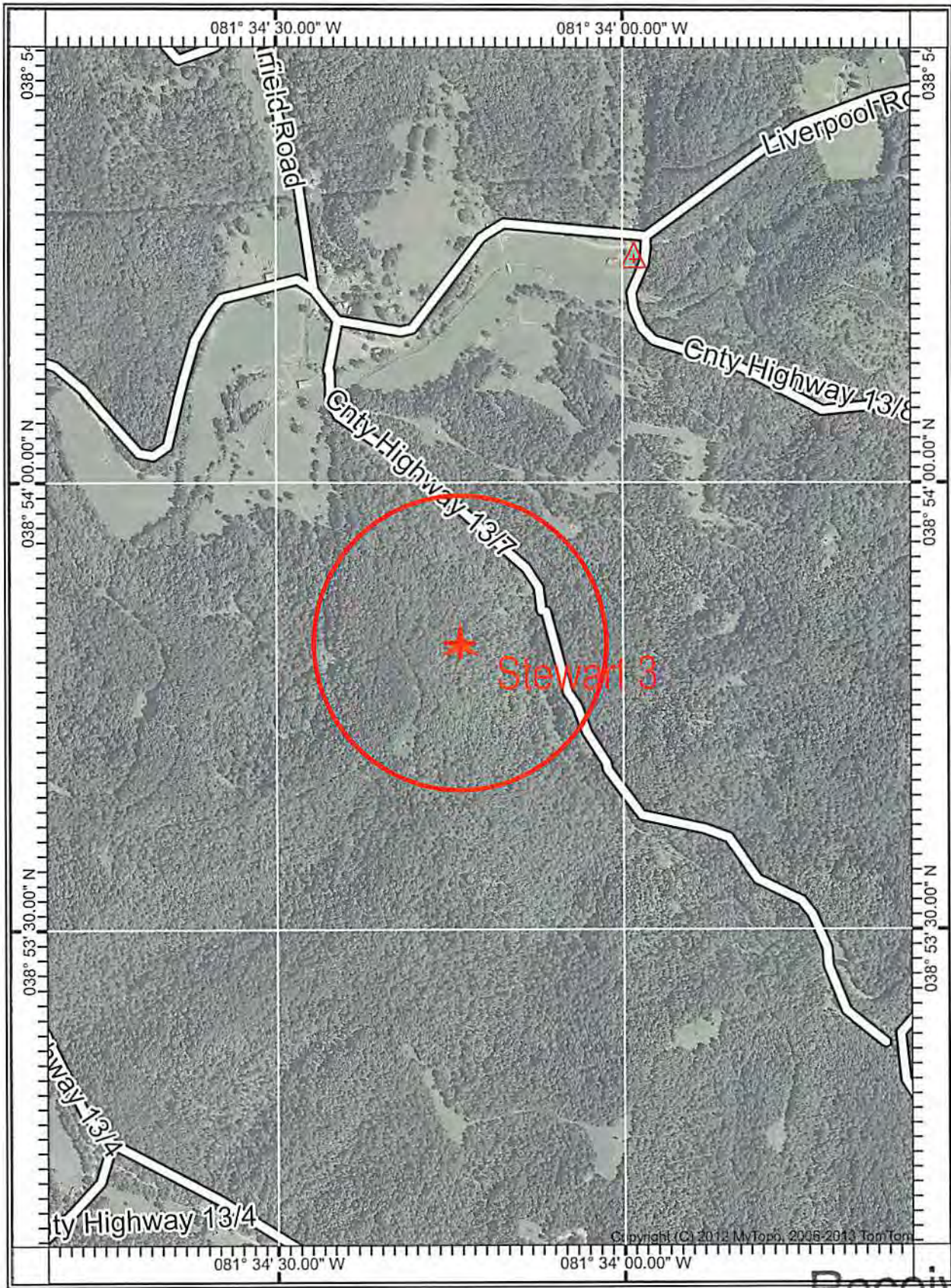
SCALE 1" = 200'

Jeffery L. Snyder PS #2238

DATE 11-18-13  
OPERATOR'S WELL# Stewart #3  
API WELL # 47 - 35 - 03023  
STATE COUNTY PERMIT

08/29/2014



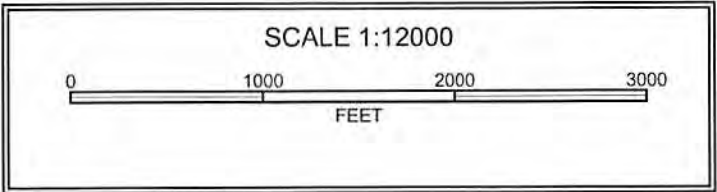


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JUL 30 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

08/29/2014



7/28/2014  
Janice



3503023





GEO. NAD 27	LAT. 38.8968584
GEO. NAD 27	LONG. 81.5707374
GEO. NAD 83	LAT. 38.8969420
GEO. NAD 83	LONG. 81.5705846
STATE PLANE 27	N 691226.842
STATE PLANE 27	E 1837553.715
STATE PLANE 83	N 691271.9801
STATE PLANE 83	E 1806101.5587
UTM -27	N 4305278.003
UTM -27	E 450505.735
UTM -83	N 4305494.936
UTM -83	E 450520.313

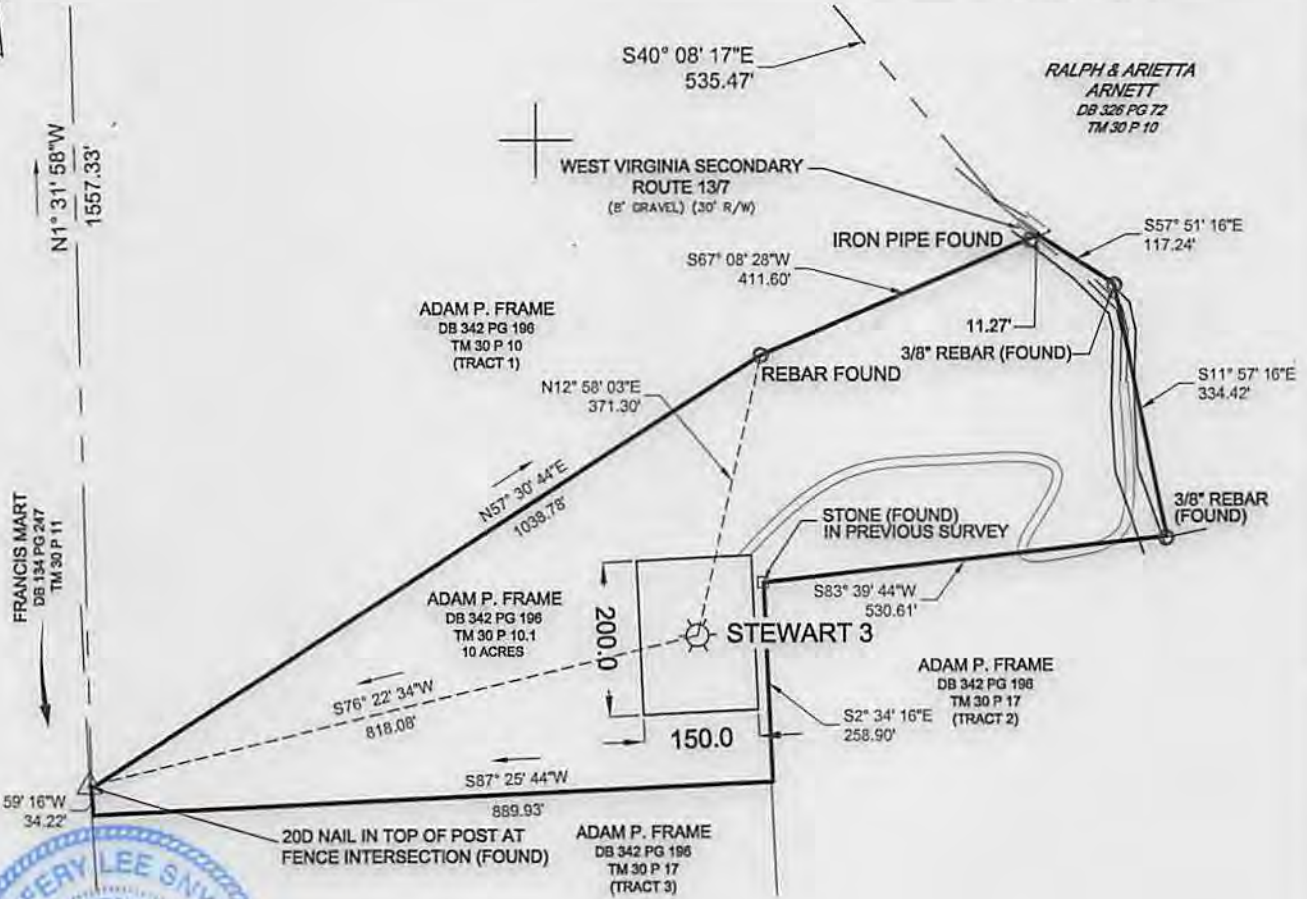
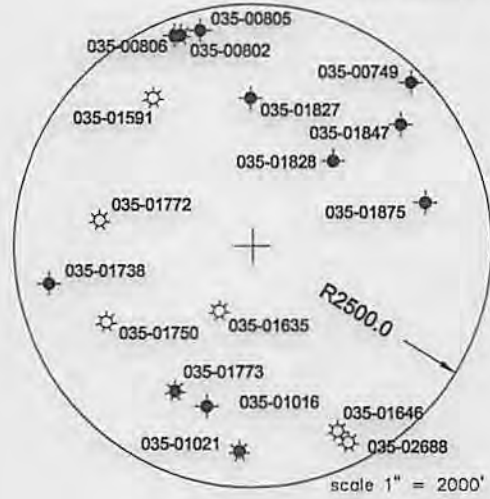
WV SOUTH ZONE  
GRID SOUTH

8249

LATITUDE 38°55'

LONGITUDE 81°32'30"

7242



JEFFERY L. SNYDER PS 2238

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

JOB # 13-500-25-Stewart 3  
DRAWING # 13-500-25  
SCALE 1" = 250'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

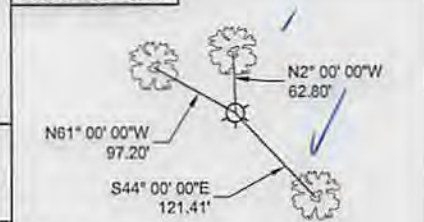
White Brothers Consulting LLC  
447 call road suite 216  
Charleston, WV 25312

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION 848 WATERSHED Right fork Sandy Creek DISTRICT Ravenswood COUNTY Jackson

QUADRANGLE Liverpool 7.5'  
SURFACE OWNER Adam P. Frame ACREAGE 10 ACRES +/-  
OIL & GAS ROYALTY OWNER Ralph D Arnett Estate LEASE ACREAGE 50 ACRES +/-  
PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG & ABANDON \_\_\_  
CLEAN OUT & REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_  
TARGET FORMATION Berea ESTIMATED DEPTH 2,700  
WELL OPERATOR Francis Well Service INC. DESIGNATED AGENT Paul Francis  
ADDRESS 622 North Church Street Ripley, WV 25271

REFERENCES



SCALE 1" = 200'

Jeffery L. Snyder PS #2238

DATE 11-18-13

OPERATOR'S WELL# Stewart # 3

API WELL # 47 - 35 - 03023

STATE COUNTY PERMIT

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08/29/2014