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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

October 16, 2014

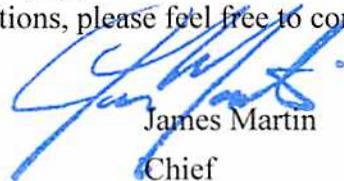
**WELL WORK PERMIT**  
**Rework-Secondary Recovery**

This permit, API Well Number: 47-3304933, issued to HG ENERGY, LLC, 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: W. F. WILLIAMS 111  
Farm Name: HUFFMAN, BRIAN V.

**API Well Number: 47-3304933**

**Permit Type: Rework-Secondary Recovery**

Date Issued: 10/16/2014

**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.

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### 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.

3304933WS

FORM WW-3 (B)  
1/12



1) Date: 09/03/2014  
2) Operator's Well No. W. F. Williams No. 111  
3) API Well No.: 47 - Harrison - 04933  
State County Permit  
4) UIC Permit No. UIC2R03301AP

STATE OF WEST VIRGINIA  
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION  
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL TYPE: Liquid Injection  / Gas Injection (not storage)  / Waste Disposal   
6) LOCATION: Elevation: 1348' Watershed: Lick Run  
District: Ten Mile County Harrison Quadrangle Salem 7.5'  
7) WELL OPERATOR: HG Energy, LLC 8) DESIGNATED AGENT Diane White  
Address 5260 Dupont Road Address 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101  
9) OIL & GAS INSPECTOR TO BE NOTIFIED 10) DRILLING CONTRACTOR  
Name Sam Ward Name To Be Determined  
Address P. O. Box 2327 Address  
Buckhannon, WV 26201

11) PROPOSED WELL WORK Drill  / Drill deeper  / Redrill  / Stimulate   
Plug off old formation  / Perforate new formation  / Convert   
Other physical change in well (specify)

12) GEOLOGIC TARGET FORMATION Fifth Sand Depth 2950' Feet (top) to 2960' Feet (bottom)

13) Estimated Depth of Completed Well, (or actual depth of existing well): 3,110' Feet  
14) Approximate water strata depths: Fresh 495' Feet Salt 1350' Feet

15) Approximate coal seam depths: 610'  
16) Is coal being mined in the area? Yes  No

17) Virgin reservoir pressure in target formation 1250 psig Source Estimated  
18) Estimated reservoir fracture pressure 2650 psig (BHFP)

19) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour 25 BBL Bottom hole pressure 2400 psi  
20) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES Fresh water, produced

water, bactericides and other chemicals as needed to maintain water quality and improve oil recovery  
21) FILTERS (IF ANY) Cartridge filters and/or coal bed filters

22) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL

23) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL -UP OR SACKS (CU. FT.)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left In Well		
Conductor									Kinds
Fresh Water	7"	LS ST&C	17#	X		676'	676'	CTS	RECEIVED Office of Oil and Gas SIZES
Coal									
Intermediate									Depths set SEP 24 2014 2750'
Production	4 1/2"	J-55	10.5#	X		3091'	3091'	150 sks	
Tubing	2 3/8"	J-55	4.6#	X		2850'	2850'		Perforations
Liners									Top Bottom

24) APPLICANT'S OPERATING RIGHTS were acquired from Williams, W. F., et ux  
by deed / lease X / other contract / dated 08/15/1896 of record in the  
Harrison County Clerk's office in Book 92 Page 49

1/13/2010

API# 47 33 04933

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

COPY

Well Operator's Report of Well Work

Farm name: HUFFMAN, BRIAN V.

Operator Well No.: W.F. WILLIAMS 111

LOCATION: Elevation: 1.348'

Quadrangle: SALEM 7.5'

District: TEN MILE

County: HARRISON

Latitude: 5,625 Feet south of

39 Deg 17 Min 30 Sec.

Longitude: 25 Feet west of

80 Deg 27 Min 30 Sec.

Company: EAST RESOURCES, INC.  
P.O. BOX 5519  
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: TIM BENNETT

Permit Issued: 01/13/10

Well work Commenced: 01/29/10

Well work Completed: 02/25/10

Verbal plugging permission granted on:

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

Total Depth (feet) 3110'

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

Casing Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	676'	676'	165 sks
4 1/2"	3091.4'	3091.4'	150 sks

OPEN FLOW DATA \* WATERFLOOD INJECTOR

Producing formation Fifth Sand Pay zone (ft) 2949.5'-2952', 2954'-2957'

Gas: Initial open flow \* 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 \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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

For: EAST RESOURCES, INC.

By:

Date:

*Open Helder*  
5/12/10

Treatment: Treated perforations, 2954'-2959', w/ 500 gals 15% HCl.

<u>Well Log :</u>		
0	246	Sand and Shale
246	260	Sand
260	304	Shale
304	320	Sand
320	427	Shale
427	498	Sand
498	544	Shale
544	554	Sand
554	617	Shale
617	640	Sand
640	758	Shale
758	774	Sand
774	973	Shale
973	984	Sand
984	1214	Shale
1214	1230	Sand
1230	1350	Shale
1350	1438	Sand
1438	1694	Shale
1694	1705	Sand
1705	1730	Shale
1730	1746	Sand
1746	1848	Shale
1848	1900	Sand
1900	1912	Shale
1912	1932	Sand
1932	1950	Shale
1950	1960	Sand
1960	1990	Shale
1990	2072	Big Lime
2072	2130	Big Injun
2130	2542	Shale
2542	2556	Sand
2556	2638	Shale
2638	2660	Sand
2660	2670	Shale
2670	2794	Sand
2794	2950	Shale
2950	2960	Fifth Sand
2960	2992	Shale
2992	3002	Sand
3002	3110	Shale
3110		TD

33049 33 WS  
W

FORM WW-3 (A)  
1/12



1) Date: 9/03/2014  
2) Operator's Well No. W F Williams 111  
3) API Well No.: 47 - 033 - 04933  
State County Permit  
4) UIC Permit No. UIC2R03301AP

STATE OF WEST VIRGINIA  
NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION  
FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS,

5) Surface Owner(S) To Be Served  
(a) Name Belva & Earl Junkins  
Address 515 Still House Road  
Salem, WV 26426  
(b) Name Brian Huffman  
Address 768 Lick Run Road  
Salem, WV 26426  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

7) (a) Coal Operator  
Name Wolf Run Mining Company  
Address 2708 Cranberry Square  
Morgantown, WV 26505  
7) (b) Coal Owner(S) With Declaration Of Record  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
7) (c) Coal Lessee with Declaration Of Record  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

- (1) The Application For A Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work;
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is \_\_\_\_\_ 20 14 .

THE REASON YOU HAVE RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION [(FORM WW-3(B))] DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE 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 Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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 the mailing or delivery to the Chief.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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 HG Energy, LLC  
Address 5260 Dupont Road  
Parkersburg, WV 26101  
By: Diane White  
Its: Agent  
Signature: Diane White

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Office of Oil and Gas  
SEP 24 2014  
WV Department of Environmental Protection

7012 3460 0002 6850 603E

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<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>



WFW III

Sent To: Brian Huffman ✓  
 Street, Apt. No.; or PO Box No.: 768 Lick Run Road  
 City, State, ZIP+4: Salem, WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

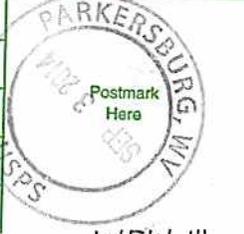
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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>



WFW III

Sent To: Wolf Run Mining Company ✓  
 Street, Apt. No.; or PO Box No.: 2708 Cranberry Square  
 City, State, ZIP+4: Morgantown WV 26505

PS Form 3800, August 2006 See Reverse for Instructions

7012 3460 0002 6850 6026

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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 7.61</b>



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Office of Oil and Gas  
SEP 24 2014

Sent To: Belva & Earl Jenkins ✓  
 Street, Apt. No.; or PO Box No.: 515 Still House Road  
 City, State, ZIP+4: Salem WV 26426

PS Form 3800, August 2006 See Reverse for Instructions

WV Department of Environmental Protection

3304933WS

WW-9  
Rev. 5/10

Page 49 of \_\_\_\_\_  
API Number 47 - 033 - 04933  
Operator's Well No. W. F. Williams No. 111

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 HG Energy, LLC OP Code 494497948  
Watershed Lick Run Quadrangle Salem 7.5'  
Elevation 1348' County Harrison District Ten Mile

Description of anticipated Pit Waste: Fluids encountered in stimulating injection well

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

Will a synthetic liner be used in the pit? Yes \_\_\_\_\_ . If so, what mil.? 20 mil

SDW  
9/15/2014

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 \_\_\_\_\_ )

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air, fresh water  
 -If oil based, what type? Synthetic, petroleum, etc. NA  
 Additives to be used? Water, soap, KCl  
 Will closed loop system be used? \_\_\_\_\_  
 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 Native soil, cement, lime  
 -Landfill or offsite name/permit number? \_\_\_\_\_

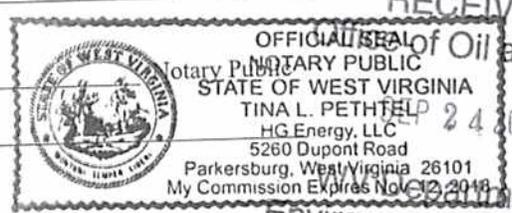
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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.

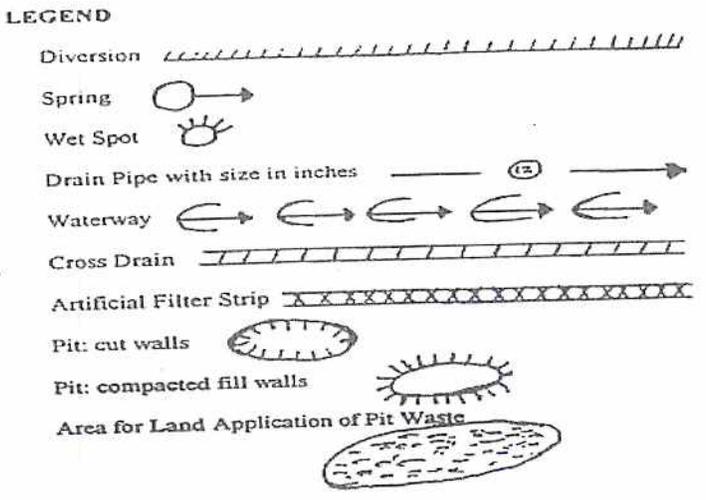
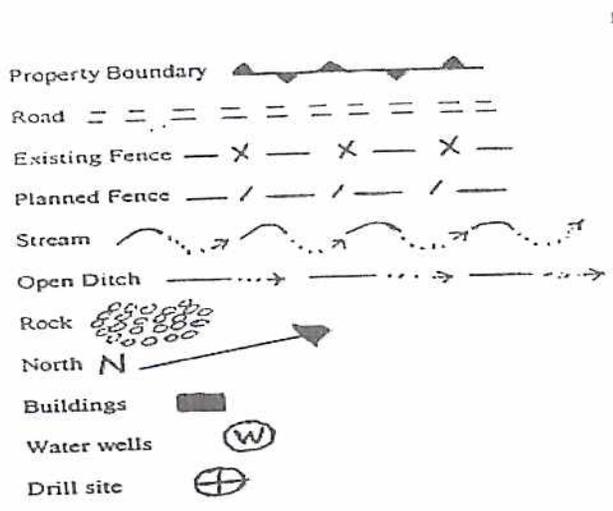
Company Official Signature Diane White  
Company Official (Typed Name) Diane White  
Company Official Title Accountant

Subscribed and sworn before me this 3rd day of September, 2014

[Signature]  
My commission expires Nov 12, 2018



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Office of Oil and Gas  
24 2014  
Department of Environmental Protection



Proposed Revegetation Treatment: Acres Disturbed Approx .5 Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH 6.5

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

Mulch Straw 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Tall Fescue		40
Ladino Clover		5

Seed Type	Area II	lbs/acre
Tall Fescue		40
Ladino Clover		5

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: S J O'Connell

Comments: Seed & mulch all disturbed areas as soon as reasonably possible & Upgrade ETS as needed.

Title: Oil & Gas Inspector

Date: 9/15/2014

Field Reviewed? (Harrison) Yes  No

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Office of Oil and Gas  
SEP 24 2014  
WV Department of  
Environmental Protection

# Reclamation Plan For:

## W.F. Williams No. 111

47-033-4933



### W.B. Carpenter Lease

(See Attached Detail for Access Road to County Road)

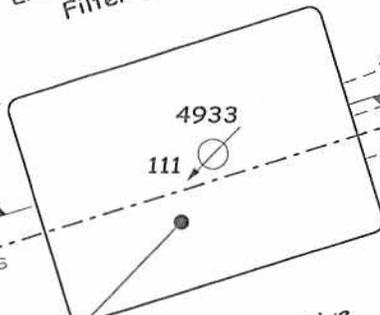
1.2 Mi. to SLS (31)

Earl & Belva Junkins  
- Surface Owner

250' of 20% Grade

Existing Vegetative Filter Strip

Location is on Ridgetop  
No Diversion Required



Existing Access Road

Pipeline

Existing Vegetative Filter Strip

Note:

This is an existing well and location. No pit will be required for planned stimulation treatment.

Brian V. Huffman  
- Surface Owner

10/15/14  
ww-9  
SUGGESTS USE OF PIT.  
gwm

NOTE:

WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT No.47-033-4933. ONLY MINIMAL EARTHWORK WILL BE REQUIRED FOR PROPOSED WELL WORK. ALL DISTURBED AREAS WILL BE RE-VEGETATED AS PER THE SEEDING PLAN ON FORM WW-9. A SMALL WORKOVER PIT WILL BE CONSTRUCTED TO CONTAIN ANY FLUIDS RECOVERED DURING PROPOSED WELL WORK.

To W.F. Williams No.8

SDW  
a/15/2014

### W.F. Williams Lease

#### Notes:

- Requested permit is for stimulation of existing well.
- Access road from Co. Rd. 31 to location is existing. Structures will be maintained.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.

REFER TO THE WVDEP EROSION AND SEDIMENT CONTROL FIELD MANUAL VER. MAY 2012 FOR BMPs CONTROLLING EROSION AND SEDIMENT FROM SOIL-DISTURBING OPERATIONS

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Office of Oil and Gas

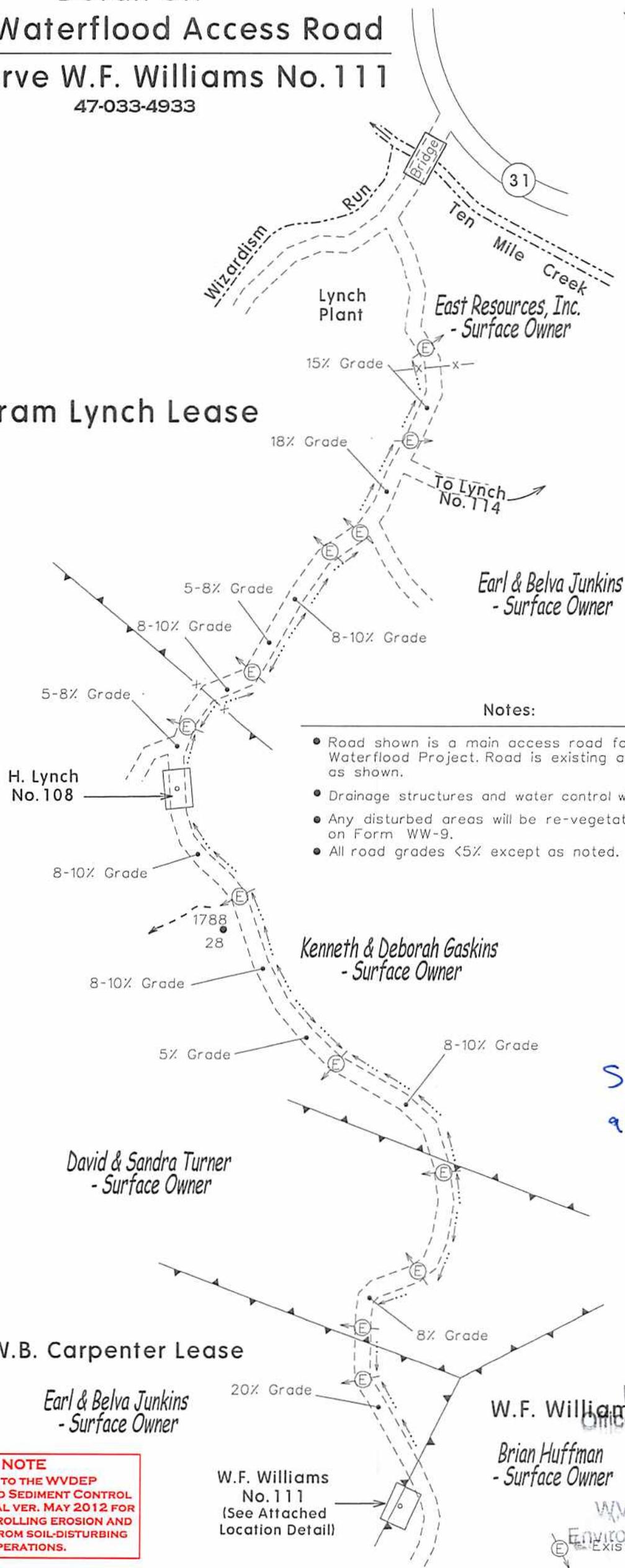
Department of Environmental Protection

Note: Drawing not to Scale

# Detail of: Main Waterflood Access Road To Serve W.F. Williams No. 111 47-033-4933



## Hiram Lynch Lease



### Notes:

- Road shown is a main access road for the Wolf Summit Waterflood Project. Road is existing and has been upgraded as shown.
- Drainage structures and water control will be maintained.
- Any disturbed areas will be re-vegetated as outlined on Form WW-9.
- All road grades <5% except as noted.

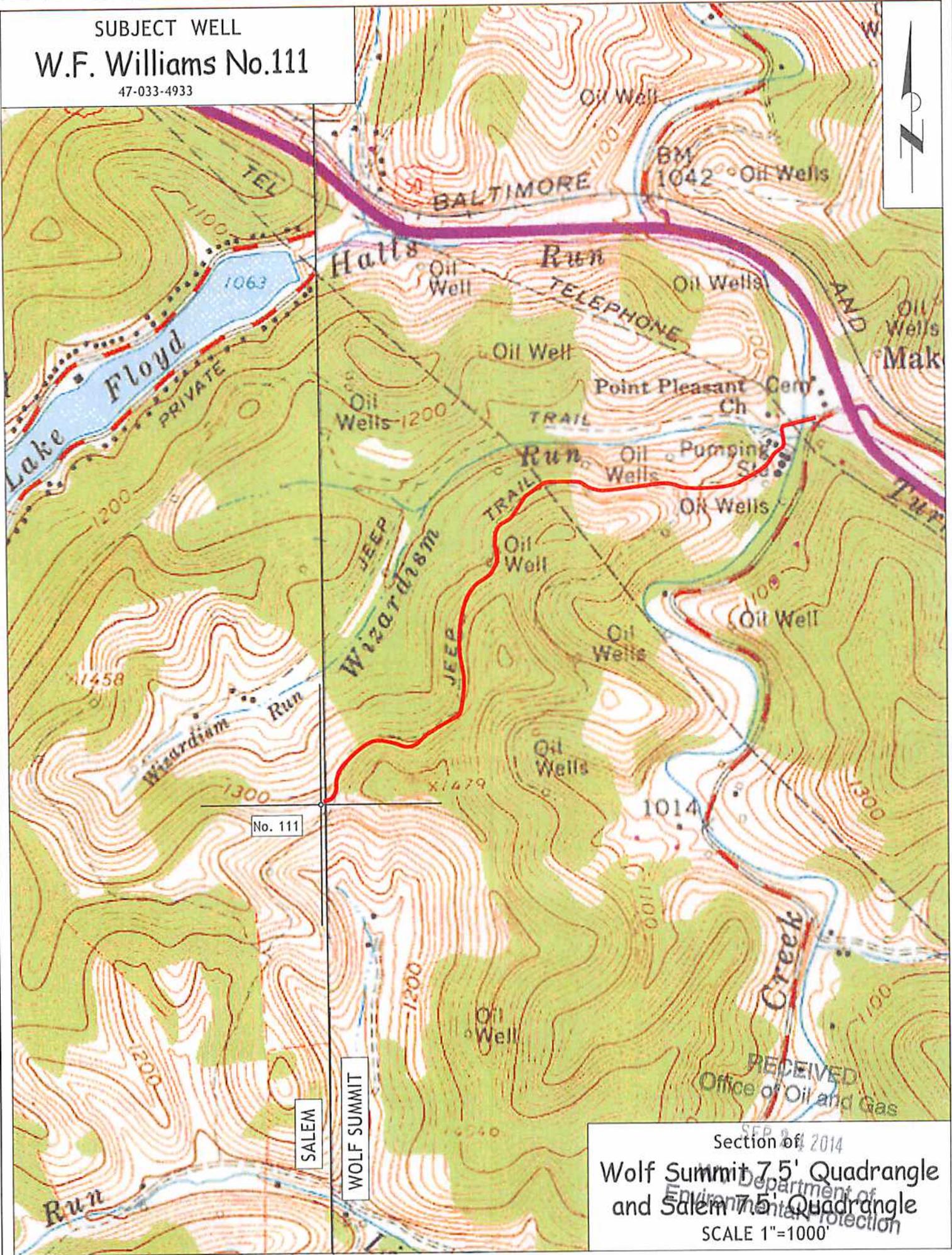
SDW  
9/15/2014

**NOTE**  
REFER TO THE WVDEP  
EROSION AND SEDIMENT CONTROL  
FIELD MANUAL VER. MAY 2012 FOR  
BMPs CONTROLLING EROSION AND  
SEDIMENT FROM SOIL-DISTURBING  
OPERATIONS.

RECEIVED  
Office of Oil and Gas  
Brian Huffman  
- Surface Owner  
SEP 9 4 2014

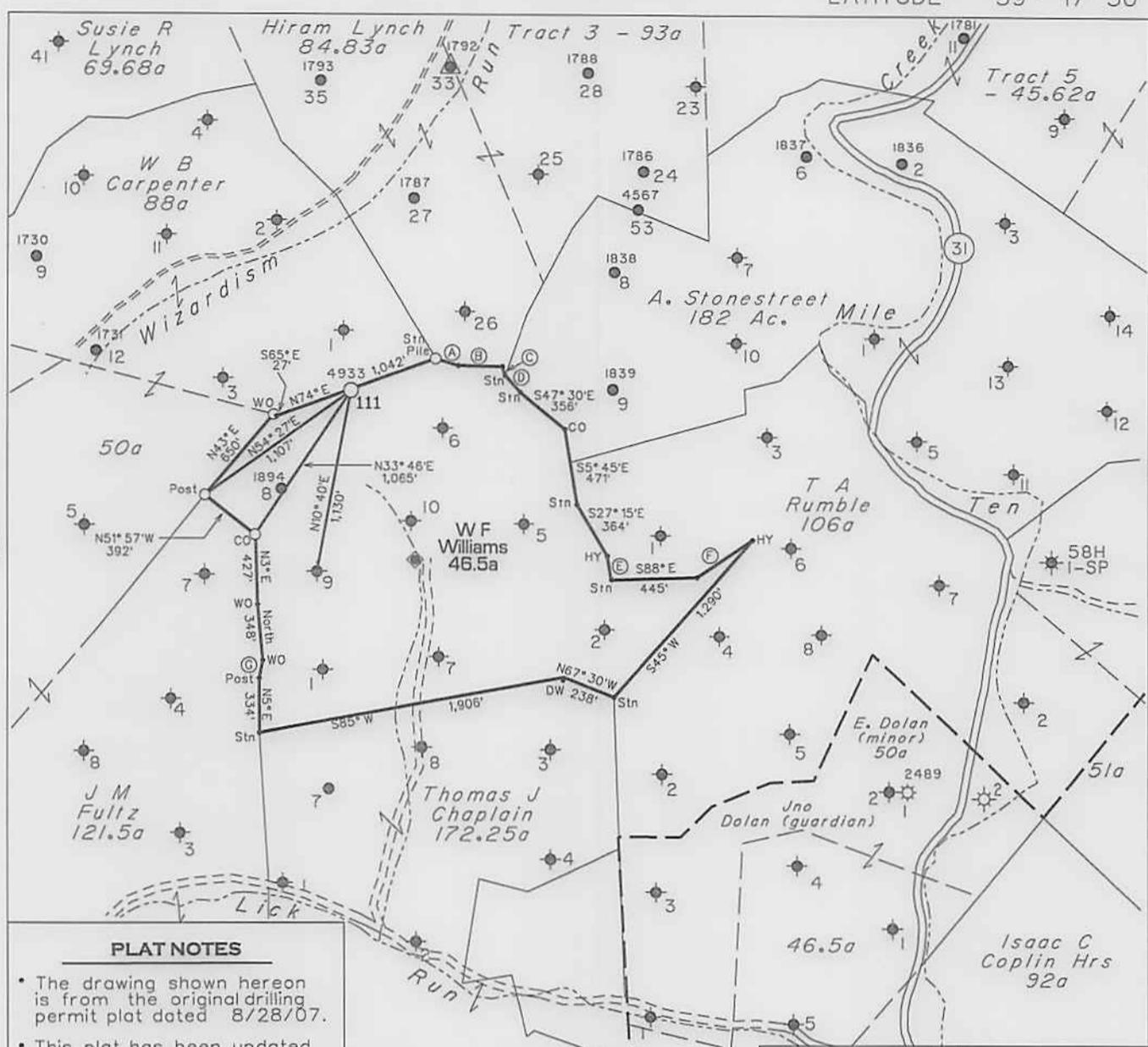
WV Department of  
Environmental Protection  
Existing Ditch Relief Culvert

SUBJECT WELL  
W.F. Williams No.111  
47-033-4933



Section of 2014  
Wolf Summit 7.5' Quadrangle  
and Salem 7.5' Quadrangle  
Department of Environmental Protection  
SCALE 1"=1000'

RECEIVED  
Office of Oil and Gas



**PLAT NOTES**

- The drawing shown hereon is from the original drilling permit plat dated 8/28/07.
- This plat has been updated to show current surface ownership and as-drilled Latitude & Longitude.
- Latitude & Longitude shown was measured by DGPS - Sub-Meter Mapping Grade (NAD 1927)

UTM Coordinates (NAD83) Meters  
N - 4,347,565  
E - 543,126

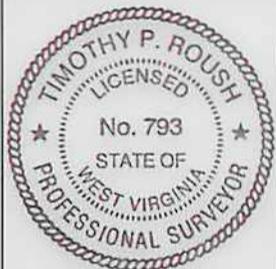
CALL TABLE	
(A) S70° 00'E 142'	(B) S85° 45'E 269'
(C) S13° 30'E 59'	(D) S39° 45'E 138'
(E) S5° 45'E 190'	(F) N60° 00'E 409'
(G) N16° 30'E 114'	

— DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. \_\_\_\_\_  
 MAP NO. \_\_\_\_\_ N \_\_\_\_\_ S \_\_\_\_\_ E \_\_\_\_\_ W \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION WVDEP Records

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 MINES.

(SIGNED) *Timothy P. Roush*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 601 57th Street  
 Charleston, West Virginia 25304



DATE August 25, 2014  
 FARM W.F. Williams No.111  
 API WELL NO. 47-033-04933 *WS*

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION  WASTE DISPOSAL \_\_\_ CORE \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1,348' WATERSHED Lick Run  
 DISTRICT Ten Mile COUNTY Harrison  
 QUADRANGLE Salem 7.5'  
 SURFACE OWNER Brian V. Huffman ACREAGE 102.35 Ac.  
 OIL & GAS ROYALTY OWNER Clyde Williams et al. LEASE ACREAGE 102 Ac.  
 LEASE NO. 23876-50  
 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 Fifth Sand ESTIMATED DEPTH 3,110'  
 WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Diane White  
 ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road  
 Parkersburg, WV 26101 Parkersburg, WV 26101



**HG Energy, LLC**  
5260 Dupont Road  
Parkersburg, WV 26101  
(304) 420-1100 - Office  
(304) 863-3172 - Fax

3304933WS

✓ 2749.00  
650

September 3, 2014

Mr. Jeff McLaughlin  
Division of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

RE: W. F. Williams No. 111 (47-033-4933)  
Tenmile District, Harrison County  
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-3A, WW-3B, WW-9, Mylar of plat, reclamation plan, topo map and copies of the certified mailing receipts for a permit to stimulate the above-captioned liquid injection well. Also enclosed is our check in the amount of \$650.00 to cover the associated permit fees.

Very truly yours,

*Diane White*

Diane C. White

Enclosures

cc: Belva & Earl Junkins – Certified  
Brian Huffman - Certified  
Wolf Run Mining Company - Certified  
Sam Ward - Inspector

RECEIVED  
Office of Oil and Gas  
SEP 24 2014  
WV Department of  
Environmental Protection