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

April 30, 2015

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-3305043, 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: HIRAM LYNCH 54
Farm Name: JOHNSON, CHAD W.
API Well Number: 47-3305043
Permit Type: Re-Work
Date Issued: 04/30/2015

3305043W

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. 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 within 30 days of commencement of drilling.

3305043W

WW - 2B
(Rev. 8/10)

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

1) Well Operator: HG Energy, LLC

494497948	Harrison	Tenmile	Wolf Summit 7.5'
Operator ID	County	District	Quadrangle

2) Operator's Well Number: Hiram Lynch 54 3) Elevation: 1209'

4) Well Type: (a) Oil X or Gas _____

(b) If Gas: Production ____ / Underground Storage _____

Deep _____ / Shallow X

5) Proposed Target Formation(s): 5th Sand Proposed Target Depth: 2960'
6) Proposed Total Depth: 2960' Feet Formation at Proposed Total Depth: 5th Sand
7) Approximate fresh water strata depths: 460
8) Approximate salt water depths: NA

9) Approximate coal seam depths: NA

10) Approximate void depths,(coal, Karst, other): NA

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)
Stimulate well in the 5th Sand, stimulate with small hydraulic fracture. 250bbl Frac

13) CASING AND TUBING PROGRAM SDW 2/10/15

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	7"	J-55	24#	547'	547'	Existing
Coal						
Intermediate						
Production	4 1/2"	J-55	9.5#	2931'	2931'	Existing
Tubing						
Liners						

Packers: Kind:
Sizes:
Depths Set

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

WR-35

3305043W

2/26/08

API # 47 033 05043

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

Well Operator's Report of Well Work

COPY

Farm name: JOHNSON, CHAD W. Operator Well No.: HIRAM LYNCH 54

LOCATION: Elevation: 1,209' Quadrangle: WOLF SUMMIT 7.5'

District: TEN MILE County: HARRISON
Latitude: 1,125 Feet south of 39 Deg 17 Min 30 Sec.
Longitude: 6,725 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: 02/26/08
Well work Commenced: 03/28/08
Well work Completed: 04/08/08
Verbal plugging
permission granted on:
Rotary X Cable Rig
Total Depth (feet) 2960'
Fresh water depths (ft) 460'

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N
Coal Depths (ft):

Casing Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"	547'	547'	135 sks
4 1/2"	2930.65'	2930.65'	150 sks

OPEN FLOW DATA * WATERFLOOD PRODUCER

Producing formation Fifth Sand Pay zone depth (ft) 2764'-2780'
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.

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

For: EAST RESOURCES, INC.
By:
Date: 11/6/08

3305043 W

Treatment : Shot perforations 2767'-2779' w/ Gas Gun, and treated w/ 500 gals 15% HCl acid.

Well Log :

0	156	Sand and Shale
156	278	Sand
278	337	Shale
337	348	Sand
348	413	Shale
413	426	Sand
426	508	Shale
508	532	Sand
532	862	Shale
862	884	Sand
884	1022	Shale
1022	1078	Sand
1078	1116	Shale
1116	1252	Sand
1252	1372	Shale
1372	1440	Sand
1440	1458	Shale
1458	1472	Sand
1472	1626	Shale
1626	1648	Sand
1648	1672	Sand
1672	1684	Sand
1684	1738	Sand
1738	1756	Sand
1756	1778	Sand
1778	1790	Sand
1790	1896	Big Lime
1896	1928	Big Injun
1928	2350	Shale
2350	2363	Sand
2363	2376	Shale
2376	2392	Sand
2392	2462	Shale
2462	2474	Sand
2474	2488	Shale
2488	2620	Sand
2620	2764	Shale
2764	2780	Fifth Sand
2780	2960	Shale
2960		TD

Received

MAR 18 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

3305043W
ck# 2959
$650.00

WW-2A
(Rev. 6-14)

1). Date: March 2, 2015

2.) Operator's Well Number Hiram Lynch 54

3.) API Well No.: State 47- County 033 - Permit 5043

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 Chad W. Johnson
Address 109 Platinum Drive, Suite 1
Bridgeport, WV 26330
(b) Name
Address
(c) Name
Address

5) (a) Coal Operator
Name Wolf Run Mining
Address 2708 Cranberry Square
Morgantown, WV 26505
(b) Coal Owner(s) with Declaration
Name
Address
Name
Address
(c) Coal Lessee with Declaration
Name
Address

6) Inspector Sam Ward
Address P. O. Box 2327
Buckhannon, WV 26201
Telephone 304-389-7583

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)
X 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.

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
5260 Dupont Road
Parkersburg, West Virginia 26101
My Commission Expires Oct. 4, 2016

Well Operator HG Energy, LLC
By: Diane White Diane White
Its: Agent
Address: 5260 Dupont Road
Parkersburg, WV 26101
Telephone: 304-420-1119
Email: dwhite@hgenergyllc.com

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 2nd day of March, 2015

S Dianne Dulaney Notary Public

My Commission Expires Oct. 4, 2016

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

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Total Postage & Fees	$ 7.61

Postmark Here

USPS MAR - 4 2015 PARKERSBURG WV

HL54

Sent To: Wolf Run Mining
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

1

7014 0510 0000 4074 6337

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 7.61

Postmark Here

PARKERSBURG WV

HL54

Sent To: Chad W Johnson
Street, Apt. No.; or PO Box No.: 109 Platinum Drive, Suite 1
City, State, ZIP+4: Bridgeport WV 26330

PS Form 3800, August 2006 — See Reverse for Instructions

1

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

33056430

3305043W

WW-2A1
(Rev. 1/11)

Operator's Well Number Hiram Lynch 54

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

** See Attached Sheet **

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

APR 30 2015

WV Department of
Environmental Protection

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 activity is initiated.

Well Operator: Diane White Diane White
By: Its: HG Energy, LLC
Agent

3305043 W

Form WW-2A(1)
(10/10)

Operator's Well No. Hiram Lynch 54

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 --

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(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
Hiram J Lynch, et ux	**South Penn Oil Company**	**1/8**	**105/143**

Merger and Conveyance dated July 3, 1963, from South Penn Oil Company to Penzoil Company, Kanawha County, Book 153, Page 35,

Assignment, Conveyance and Bill of Sale dated December 28, 1998, from Pennzoil Company to Pennz Energy Exploration and Production, Wetzel County, Book 12, Page 177.

Certificate of Merger filed with the WV Secretary of State, December 31, 1999, whereby Pennz Energy Exploration and Production, successor in interest to; to Penzoil Company, merged with Devon Energy Production Company, LP, Wetzel County, Book 12, Page 278.

Deed, Assignment and Bill of Sale dated June 1, 2000, from Devon Energy Production Company, LP to East Resources, Inc., recorded in Wetzel County, Book 370, Page 580.

Assignment, Conveyance and Bill of Sale, dated January 1, 2011, from East Resources, Inc., to HG Energy, LLC, Wetzel County, Book 118A, Page 253.

Upon information and belief, Operator's lease and/or other real property rights permit it to conduct drillingerations for the subject well in the location shown on the plat, including the use of access roads, pipelines and utilities.

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

The permit applicantfor the proposed well work addressed in this application hereby ackowledges 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
US Fish and Wildlife Service
County Floodplain Coordinator

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Office of Oil and Gas

APR 30 2015

WV Department of
Environmental Protection

Well Operator: HG Energy, LLC
By: Diane C. White Diane White
Its: Agent

3305043W

WW-9
(5/13)

Page _____ of _____

API Number 47 - 033 -5043

Operator's Well No. Hiram Lynch 54

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name HG Energy, LLC OP Code 494497948

Watershed (HUC 10) Tenmile Creek Quadrangle Wolf Summit 7.5'

Elevation 1209' County _____ District Tenmile

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: Fluids encountered while stimulating the subject well.

Will a synthetic liner be used in the pit? Yes X No _____ If so, what ml.? 20 mil

Proposed Disposal Method For Treated Pit Wastes:

SDW
2/16/15

- ■ 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. NA

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

Additives to be used in drilling medium? Water, Soap, KCl

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.

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

Company Official Signature Diane White

Company Official (Typed Name) Diane White

Company Official Title Agent

Subscribed and sworn before me this 2nd day of March, 2015

Notary Public

My commission expires Oct. 6, 2016

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
S. DIANNE DULANEY
5260 Dupont Road
Parkersburg, West Virginia 26101
My Commission Expires Oct. 6, 2016

3305043W

Form WW-9

Operator's Well No. Hiram Lynch 54

Proposed Revegetation Treatment: Acres Disturbed .3 acres Prevegetation pH _____

Lime 3 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

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

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

Photocopied section of involved 7.5' topographic sheet.

** Sediment Control Should Be in Place at all times***

Plan Approved by: Sam D Warfield

Comments: _____

Received

MAR 18 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

Title: OOG Inspector Date: 2/10/15

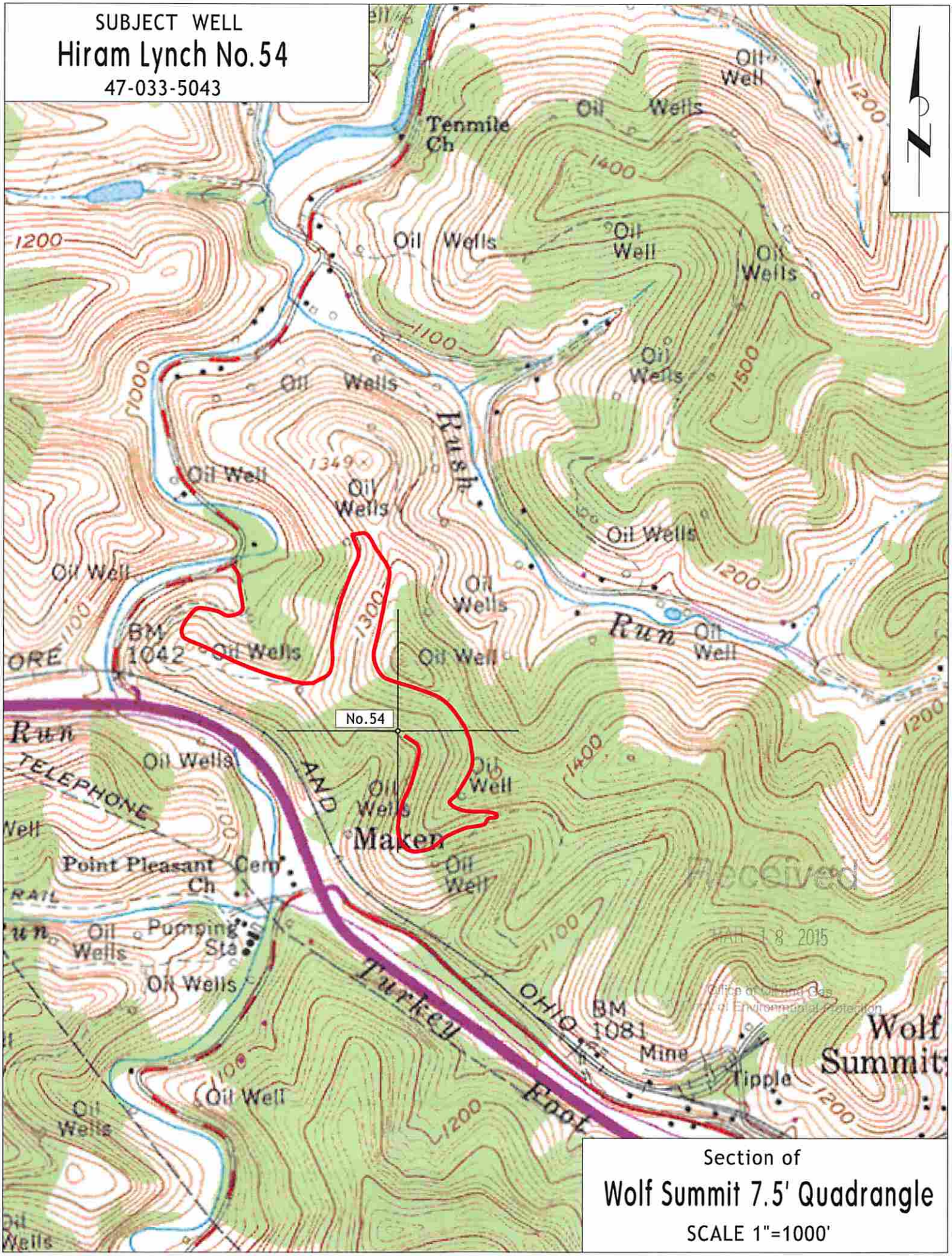
Field Reviewed? (_____) Yes (__X__) No

3305043W

SUBJECT WELL

Hiram Lynch No.54

47-033-5043



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MAR 18 2015
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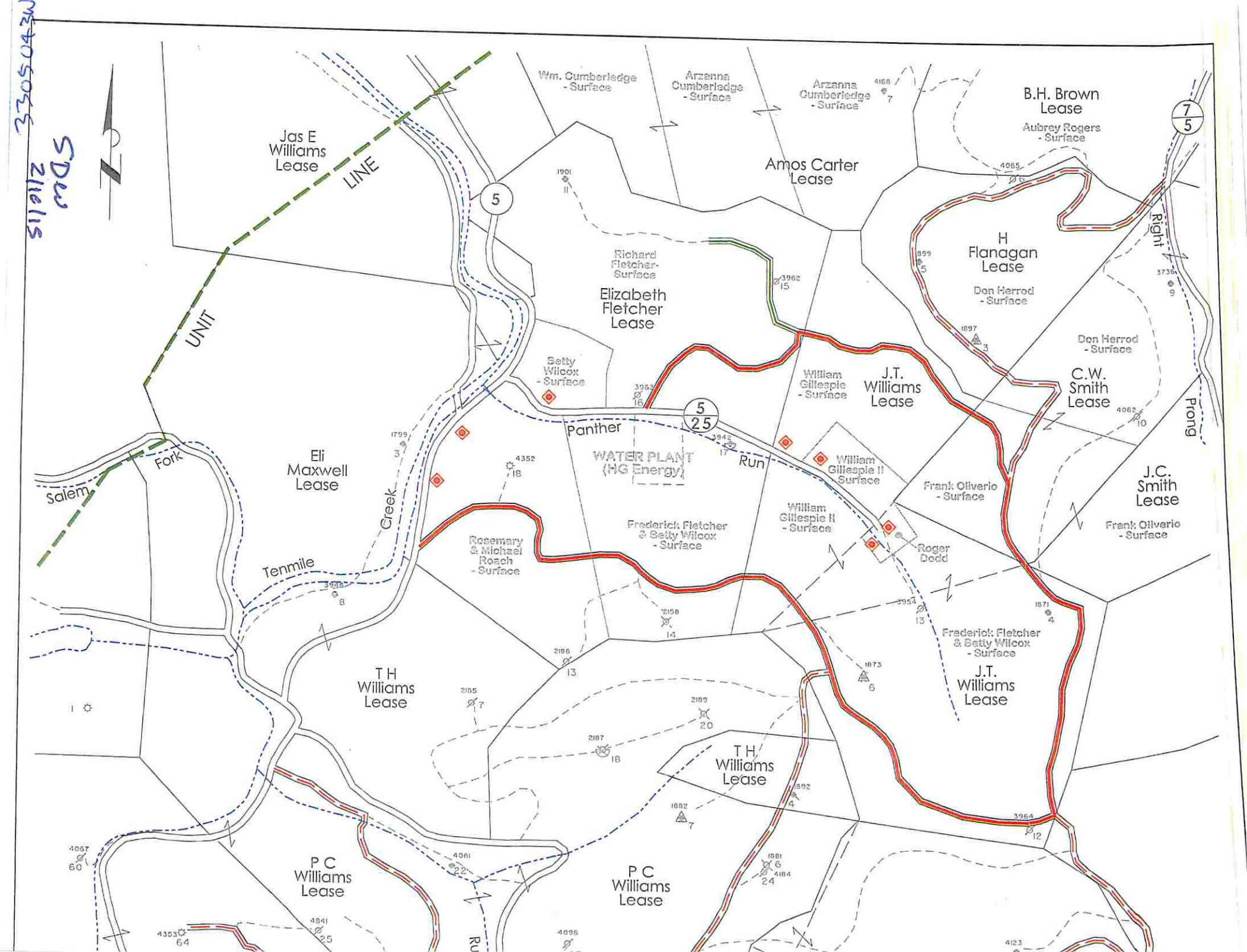
WV Department of Environmental Protection

Section of

Wolf Summit 7.5' Quadrangle

SCALE 1"=1000'


Jas E Williams Lease
UNIT LINE
Wm. Cumberledge - Surface
Arzanna Cumberledge - Surface
Arzanna Cumberledge - Surface
Amos Carter Lease
B.H. Brown Lease
Aubrey Rogers - Surface
H Flanagan Lease
Don Herrod - Surface
Don Herrod - Surface
C.W. Smith Lease
J.C. Smith Lease
Frank Oliverio - Surface
Frank Oliverio - Surface
Richard Fletcher- Surface
Elizabeth Fletcher Lease
Betty Wilcox - Surface
William Gillespie - Surface
J.T. Williams Lease
William Gillespie II Surface
William Gillespie II - Surface
Roger Dodd
Frederick Fletcher & Betty Wilcox - Surface
Frederick Fletcher & Betty Wilcox - Surface
J.T. Williams Lease
Eli Maxwell Lease
Salem Fork Creek
Tenmile
Panther Run
WATER PLANT (HG Energy)
Rosemary & Michael Roach - Surface
T H Williams Lease
T H Williams Lease
P C Williams Lease
P C Williams Lease
Right Prong
5
5 25
7 5

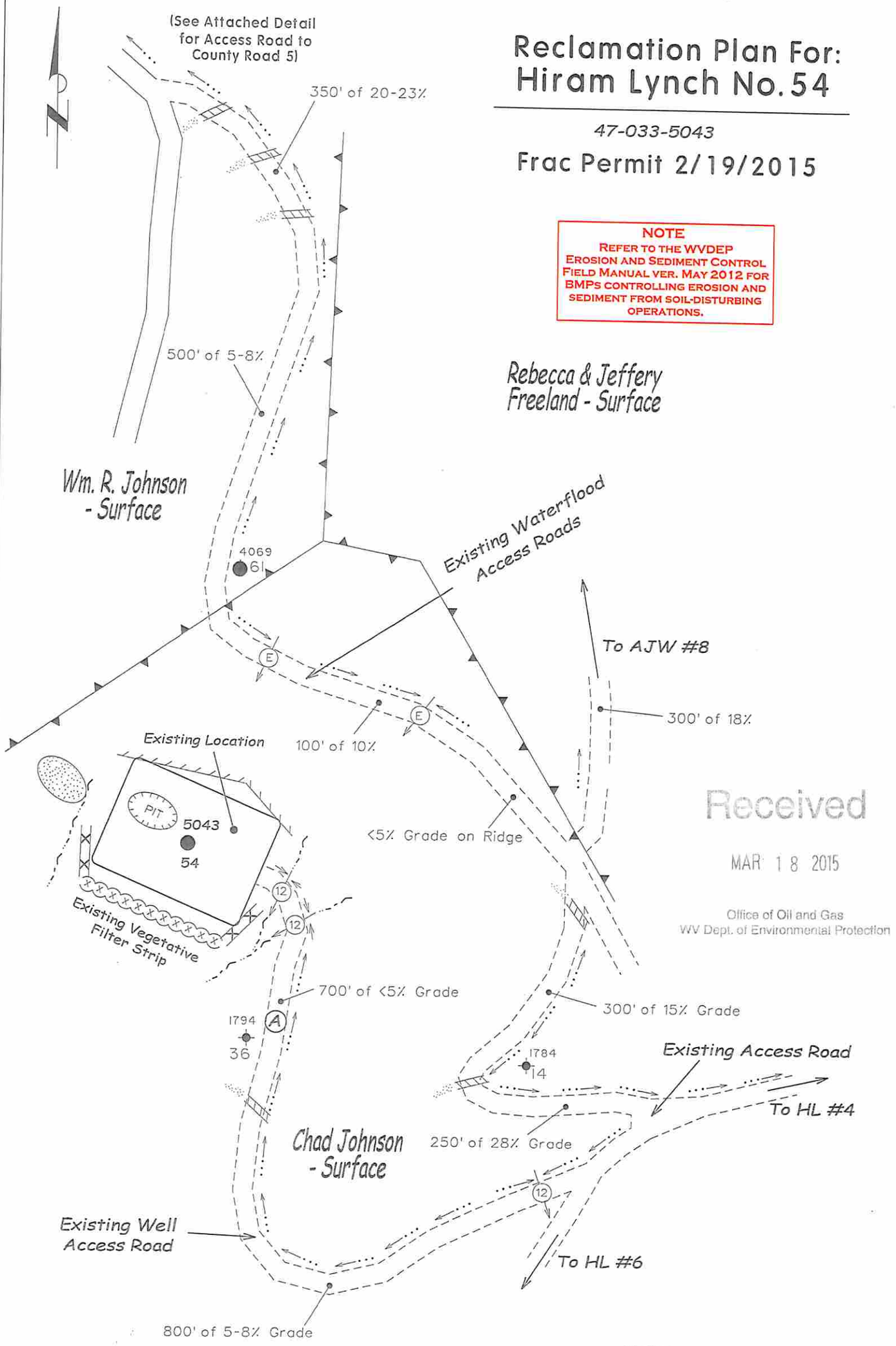
3305043W

Reclamation Plan For: Hiram Lynch No. 54

47-033-5043

Frac Permit 2/19/2015

NOTE
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
WV Dept. of Environmental Protection

Notes:

- Requested permit is for stimulation of existing well.
- Access road from Co. Rd. 5 to location is existing. Maintain road in current condition.
- All disturbed areas will be re-vegetated as outlined on Form WW-9.
- Maintain sediment barriers and drainage structures.
- All road grades <5% except as noted.

SDW
2/10/15

Note: Drawing not to Scale

Longitude - 80° 28' 55.6" — 6,725'

LATITUDE 39° 17' 30"

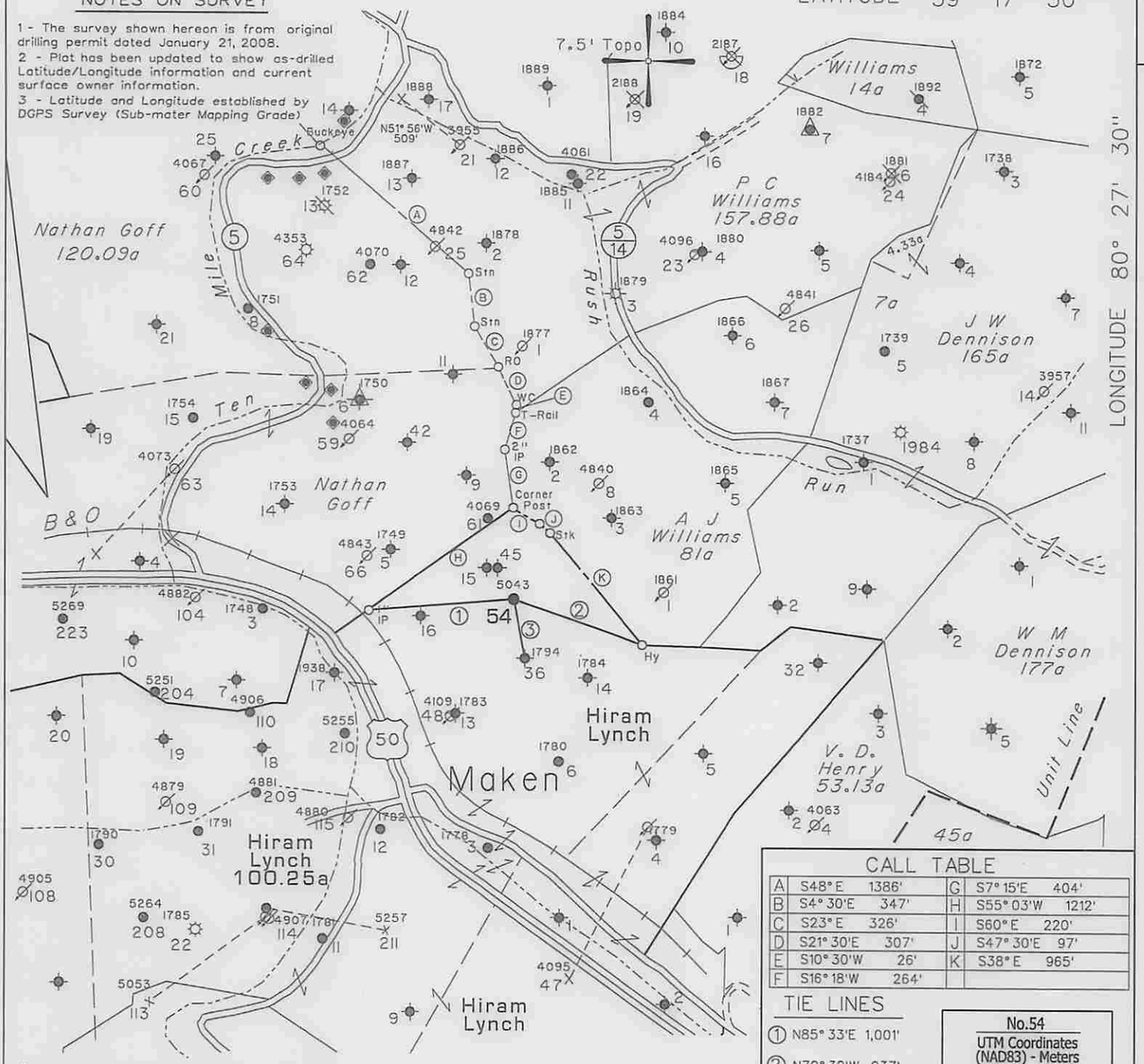
1,125'

Latitude - 39° 17' 18.9"

LONGITUDE 80° 27' 30"

NOTES ON SURVEY

1 - The survey shown hereon is from original drilling permit dated January 21, 2008.
2 - Plat has been updated to show as-drilled Latitude/Longitude information and current surface owner information.
3 - Latitude and Longitude established by DGPS Survey (Sub-mater Mapping Grade)



◈ - DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.
┼ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

CALL TABLE

A	S48° E 1386'	G	S7° 15'E 404'
B	S4° 30'E 347'	H	S55° 03'W 1212'
C	S23° E 326'	I	S60° E 220'
D	S21° 30'E 307'	J	S47° 30'E 97'
E	S10° 30'W 26'	K	S38° E 965'
F	S16° 18'W 264'		

TIE LINES

① N85° 33'E 1,001'
② N70° 32'W 937'
③ N12° 23'W 409'

No.54
UTM Coordinates (NAD83) - Meters
Surface: N - 4,348,940
E - 544,678

FILE NO.
MAP NO. N29 N S11 E 7 W
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY Sub-Meter
PROVEN SOURCE OF ELEVATION DGPS Survey
Sub-Meter Mapping Grade

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 PS 793

TIMOTHY P. ROUSH LICENSED No. 793 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE February 19, 2015
FARM Hiram Lynch No.54
API WELL NO.
47 - 033 - 05043 W

WELL TYPE: OIL X GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1,209' WATERSHED Tenmile Creek
DISTRICT Tenmile COUNTY Harrison
QUADRANGLE Wolf Summit 7.5'
SURFACE OWNER Chad W. Johnson ACREAGE 64.93 Ac.
OIL & GAS ROYALTY OWNER Anne Farr et al. LEASE ACREAGE 568 Ac.
LEASE NO. 31378-50
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION 5th Sand ESTIMATED DEPTH 2,960'
WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

FORM IV-6

I

NOW

Operator: HG ENERGY, LLC

API: 3305043

WELL No: HIRAM LYNCH 54

Reviewed by: [signature] Date: 4/30/15

15 Day End of Comment: 04/02/15

CHECKLIST FOR FILING A PERMIT

Re-Work

CK# 2959
650.00

- [x] WW-2B
- [x] Inspector signature on WW-2B
- [x] Completion / Well Records of Previous Work
- [x] WW-2A (Notarized)
- [x] Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- [ ] Surface Owner Waiver
- [x] Coal Owner / Lessee /Operator Waiver
- [x] WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage
- [x] WW-9 (Page 1 & 2) (Notarized)
- [x] NO More than 5,000 bbls
- [x] Inspector Signature on WW-9
- [x] Reclamation plan
- [x] Topographic Map of location of well
- [x] Mylar Plat (Signed Sealed) (Surface owner on plat matches WW-2A)
- [x] Bond
- [x] Company is Registered with the SOS
- [x] Worker's Compensation / Unemployment Insurance account is OK
- [x] $650.00 check (~~$550.00 if no pit~~)
- [ ] Mine Data
- [ ] Addendum
- [ ] Professional Engineer/Company has COA

3305043W

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

March 2, 2015

Mr. Jeff McLaughlin
WV DEP
Division of Oil & Gas
601 57th Street
Charleston, West Virginia 25304

RE: Hiram Lynch No. 54 (47-033-5043)
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 producing 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: Chad W. Johnson – Certified
Wolf Run Mining - Certified
Sam Ward - Inspector

Received
MAR 18 2015
Office of Oil and Gas
WV Dept. of Environmental Protection