



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

May 05, 2015

WELL WORK PERMIT

Rework-Secondary Recovery

This permit, API Well Number: 47-3304104, 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: D. F. HAGGERTY 4
Farm Name: CLUTTER, WILMA L., ETAL
API Well Number: 47-3304104
Permit Type: Rework-Secondary Recovery
Date Issued: 05/05/2015

Promoting a healthy environment.

05/08/2015

PERMIT CONDITIONS

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

CONDITIONS

1. 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.

FORM WW-3 (B)
1/12



1) Date: 01/30/2015
 2) Operator's Well No. D. F. Haggerty 4
 3) API Well No.: 47 - 033 - 04104
 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: 1488' Watershed: Ten Mile Creek
 District: Sardis County Harrison Quadrangle Wolf Summit
 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 Upon Approval of Permit
 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 2955 Feet (top) to 2973 Feet (bottom)
 13) Estimated Depth of Completed Well, (or actual depth of existing well): 3125 Feet
 14) Approximate water strata depths: Fresh 400 Feet Salt 1200 Feet
 15) Approximate coal seam depths: 460, 462
 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	8 5/8"	LS	17#	x		635'	635'	Use existing casing	
Coal									Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	x		3035'	3035'	Use existing casing	Depths set
Tubing									
Liners									Perforations
									Top Bottom

24) APPLICANT'S OPERATING RIGHTS were acquired from D. F. Haggerty
 by deed _____ / lease x / other contract _____ / dated 09/09/1901 71121900 of record in the
Harrison County Clerk's office in Lease Book 1203 Page 198

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

Well Operator's Report of Well Work

Farm name: **CLUTTER, WILMA L. ETAL** Operator Well No.: **D.F. HAGGERTY #4**

LOCATION: Elevation: **1,488.00** Quadrangle: **WOLF SUMMIT**
District: **SARDIS** County: **HARRISON**
Latitude: **5,900 Feet south of 39 Deg 20 Min 0 Sec.**
Longitude: **9,500 Feet west of 80 Deg 25 Min 0 Sec.**

Company: **PENNZOIL PRODUCTS COMPANY
P.O. BOX 5519
VIENNA, WV 26105-5519**

Agent: **PHILIP S. ONDRUSEK**

Inspector: **Tim Bennett**
Permit Issued: 8/16/95
Well work Commenced: 10/4/95
Well work Completed: 1/22/96
Verbal plugging permission granted on:
Rotary X Cable Rig
Total Depth (feet) 3,125
Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N
Coal Depths (ft): 450 - 462

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8	635'	635'	420 SKS
4 1/2"	3,035'	3,035'	200 SKS
Received			
MAR 18 2015			

Office of Oil and Gas
WV Dept. of Environmental Protection

OPEN FLOW DATA * Water Injection Well

Producing formation Fifth Sand Pay zone depth (ft) 2955-2973
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 * Hour

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 Hour

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: PENNZOIL PRODUCTS COMPANY

By: Donald Bright Date: 1-23-96 05/08/2015

Treatment : Perforated Fifth Sand from 2,963' to 2,966' w/ 12 holes. Treated w/ 300 gals 15% HCl, 203 bbl gelled water, and 5,000 lbs 20/40 sand.

Well Log : All depths are measured relative to KB.

Shale w/ sand streaks	0	-	120'
Sand	120'	-	450'
Pittsburgh Coal	450'	-	462'
Sand	462'	-	634'
Shale w/ sand streaks	634'	-	689'
Sand	689'	-	708'
Shale w/ sand streaks	708'	-	964'
Sand	964'	-	1031'
Shale w/ sand streaks	1031'	-	1204'
Sand w/ shale streaks	1204'	-	1379'
Shale w/ sand streaks	1379'	-	1492'
Sand	1492'	-	1517'
Shale	1517'	-	1572'
Sand	1572'	-	1590'
Shale	1590'	-	1916'
Little Lime	1916'	-	1932'
Shale	1932'	-	1964'
Big Lime	1964'	-	2028'
Big Injun	2028'	-	2100'
Shale	2100'	-	2540'
Fifty Foot	2540'	-	2551'
Shale w/ sand streaks	2551'	-	2619'
Thirty Foot	2619'	-	2633'
Shale and sand	2633'	-	2738'
Gordon	2738'	-	2770'
Shale	2770'		2776'
Fourth	2776'	-	2800'
Shale	2800'	-	2955'
Fifth sand	2955'	-	2973'
Shale	2973'	-	3138'
T.D. -Logger	3138'		KB
T.D. -Driller	3125'		KB

Treatment : Perforated Fifth Sand from 2,963' to 2,966' w/ 12 holes. Treated w/ 300 gals 15% HCl, 203 bbl gelled water, and 5,000 lbs 20/40 sand.

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Sand	462'	-	634'
Shale w/ sand streaks	634'	-	689'
Sand	689'	-	708'
Shale w/ sand streaks	708'	-	964'
Sand	964'	-	1031'
Shale w/ sand streaks	1031'	-	1204'
Sand w/ shale streaks	1204'	-	1379'
Shale w/ sand streaks	1379'	-	1492'
Sand	1492'	-	1517'
Shale	1517'	-	1572'
Sand	1572'	-	1590'
Shale	1590'	-	1916'
Little Lime	1916'	-	1932'
Shale	1932'	-	1964'
Big Lime	1964'	-	2028'
Big Injun	2028'	-	2100'
Shale	2100'	-	2540'
Fifty Foot	2540'	-	2551'
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Fourth	2776'	-	2800'
Shale	2800'	-	2955'
Fifth sand	2955'	-	2973'
Shale	2973'	-	3138'
T.D. -Logger	3138'	KB	
T.D. -Driller	3125'	KB	

33041045W
OK# 2925
+ 65000

FORM WW-3 (A)
1/12



1) Date: January 30, 2015
2) Operator's Well No. DF Haggerty 4
3) API Well No.: 47 - 033 - 04104
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	7) (a) Coal Operator
(a) Name <u>William F. Clutter</u>	Name _____
Address <u>RR 4, Box 208</u>	Address _____
<u>Clarksburg, WV 26301</u>	_____
(b) Name <u>Janie & William Denoon Trust</u>	7) (b) Coal Owner(S) With Declaration Of Record
Address <u>570 County Highway 52</u>	Name _____
<u>Bergholz, OH 43908</u>	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector _____	7) (c) Coal Lessee with Declaration Of Record
Address _____	Name <u>Wolf Run Mining</u>
Telephone _____	Address <u>2708 Cranberry Square</u>
	<u>Morgantown, WV 26505</u>

- 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 15 .

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

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

05/08/2015

3304104SW

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Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.61



DFH4

Sent To William F. Clutter
 Street, Apt. No.; or PO Box No. RR 4, Box 208
 City, State, ZIP+4 Clarksburg WV 26301
 PS Form 3800, August 2006 See Reverse for Instructions

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Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.61



DFH4

Sent To Janie & William Denoon Trust
 Street, Apt. No.; or PO Box No. 570 County Highway 52
 City, State, ZIP+4 Bergholz OH 43908
 PS Form 3800, August 2006 See Reverse for Instructions

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Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.61



DFH4

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

Received

MAR 18 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

05/08/2015

3304104SW

WW-9
Rev. 5/10

Page 198 of
API Number 47 - 033 - 04104
Operator's Well No. D. F. Haggerty 4

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 Ten Mile Creek Quadrangle Wolf Summit

Elevation 1488' County Harrison District Sardis

Description of anticipated Pit Waste: Fluids encountered while stimulating subject 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

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)
- 04104 Other (Explain)

*SDW
2/10/15*

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air

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

Additives to be used? Water, Soap, KCl

Will closed loop system be used? No

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, sawdust, lime, cement

-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

Received

Company Official (Typed Name) Diane White

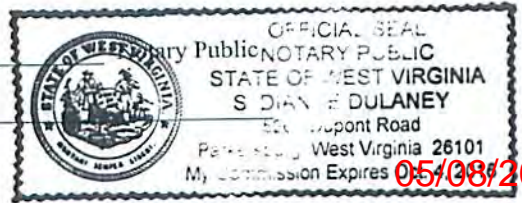
MAR 18 2015

Company Official Title Agent

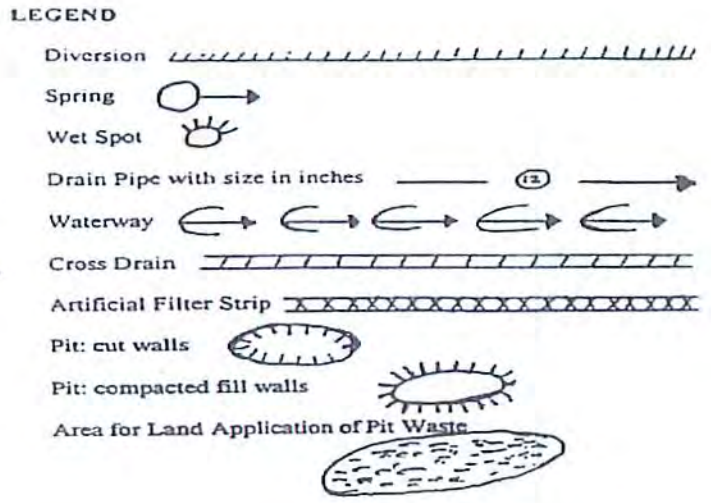
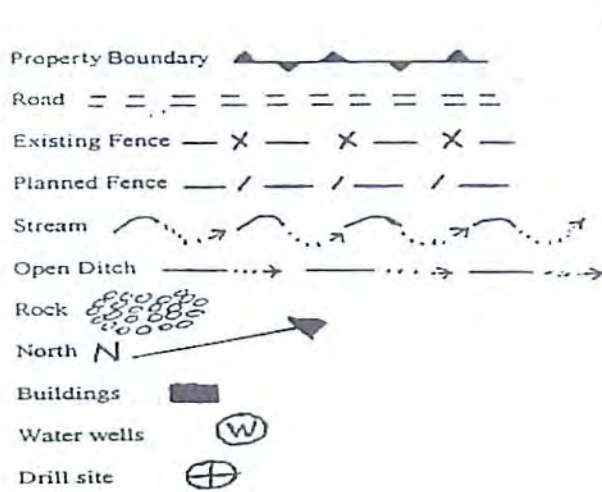
Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 30th day of January, 20 15

Diane Dulaney
My commission expires Oct. 4, 2016



05/08/2015



Proposed Revegetation Treatment: Acres Disturbed .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.

Received

Plan Approved by: S. A. Warrick

MAR 18 2015

Comments: _____

Office of Oil and Gas
WV Dept. of Environmental Protection

Title: OOB Inspector

Date: 2/10/15

Field Reviewed? () Yes (X) No

Reclamation Plan For:

D.F. Haggerty No.4

47-033-4104

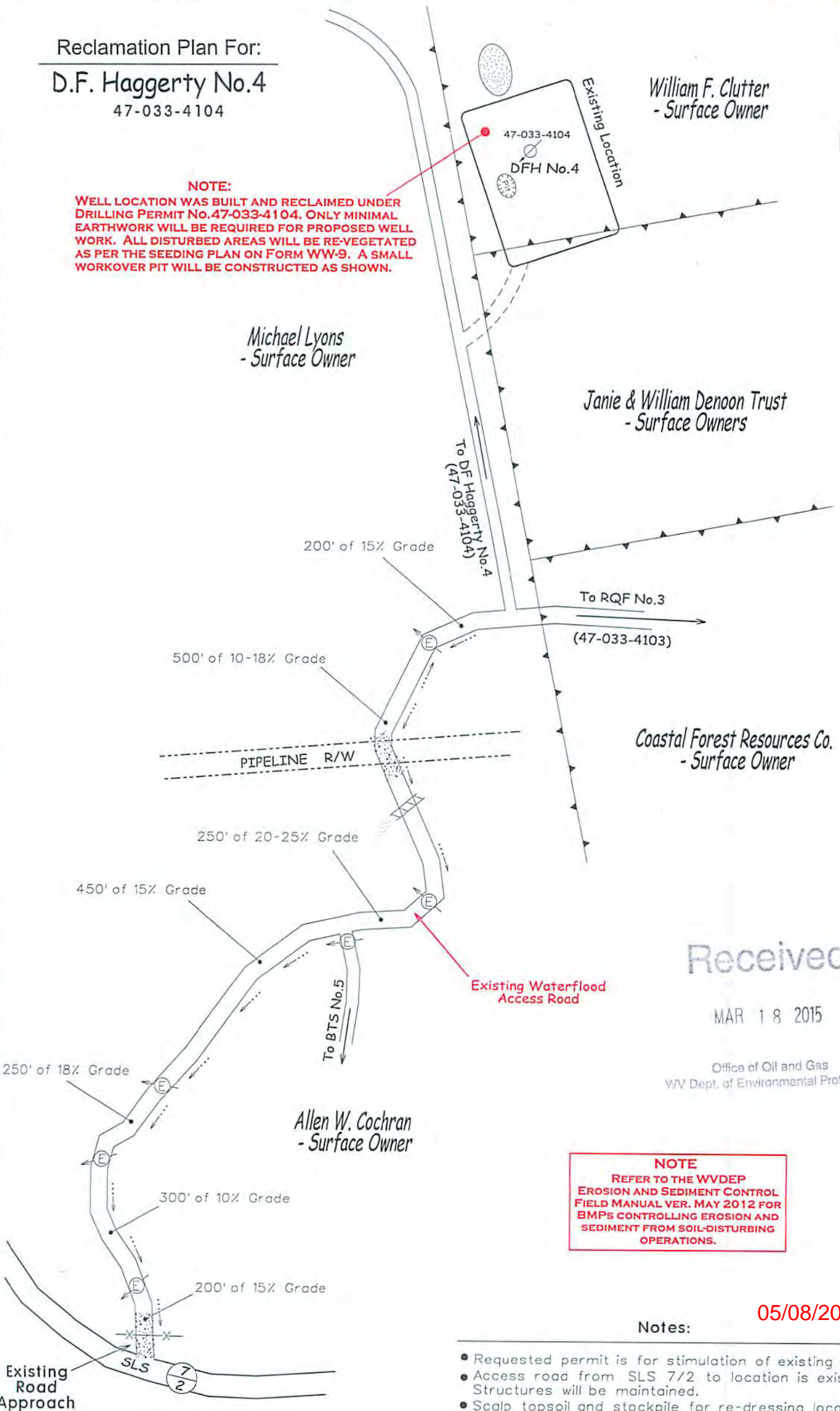
William F. Clutter
- Surface Owner

NOTE:
WELL LOCATION WAS BUILT AND RECLAIMED UNDER DRILLING PERMIT No.47-033-4104. 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 AS SHOWN.

Michael Lyons
- Surface Owner

Janie & William Denoon Trust
- Surface Owners

Coastal Forest Resources Co.
- Surface Owner



Received

MAR 18 2015

Office of Oil and Gas
WV Dept. of Environmental Protection

Allen W. Cochran
- Surface Owner

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

05/08/2015

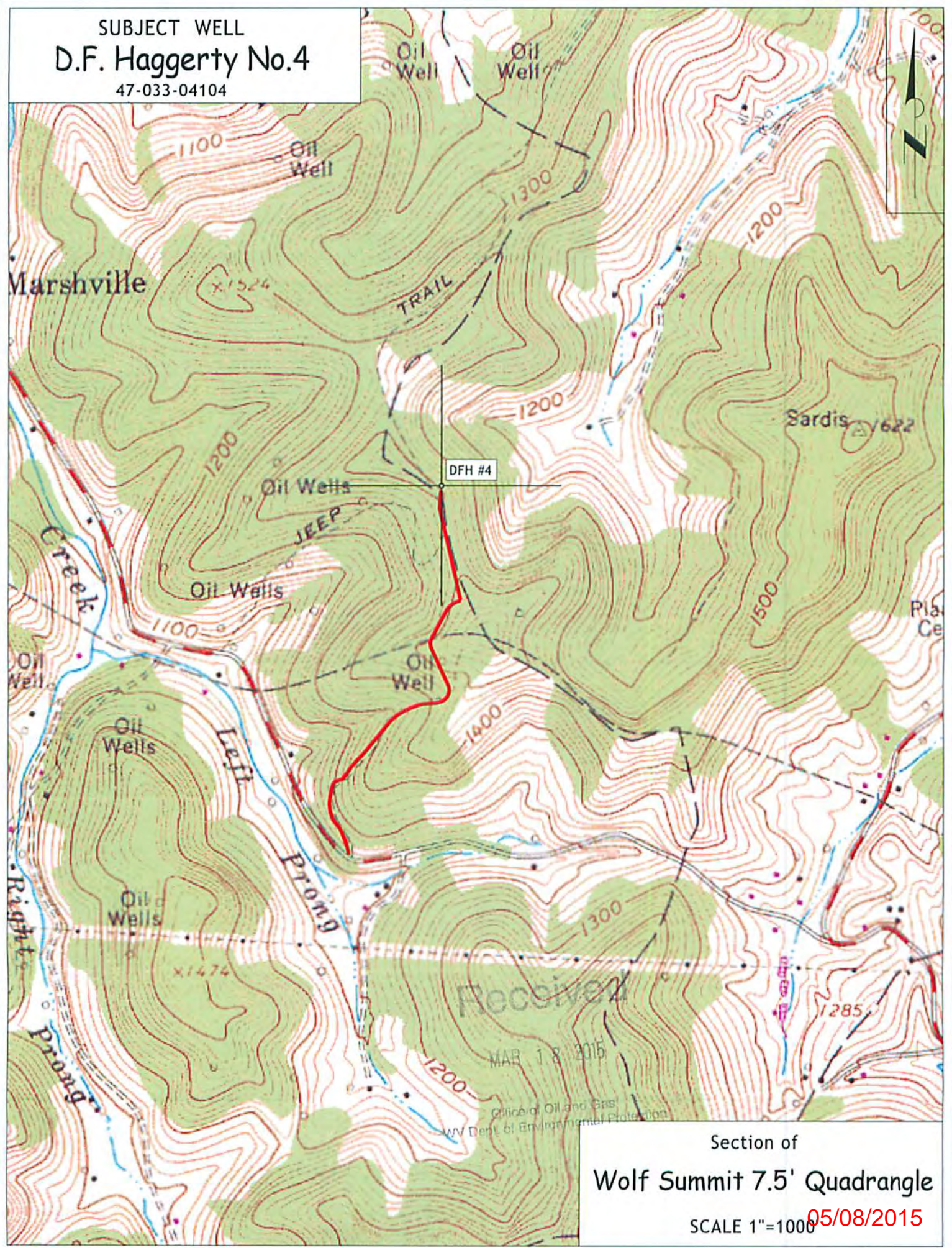
Notes:

- Requested permit is for stimulation of existing well.
- Access road from SLS 7/2 to location is existing. Structures will be maintained.
- Scalp topsoil and stockpile for re-dressing location during reclamation.
- 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

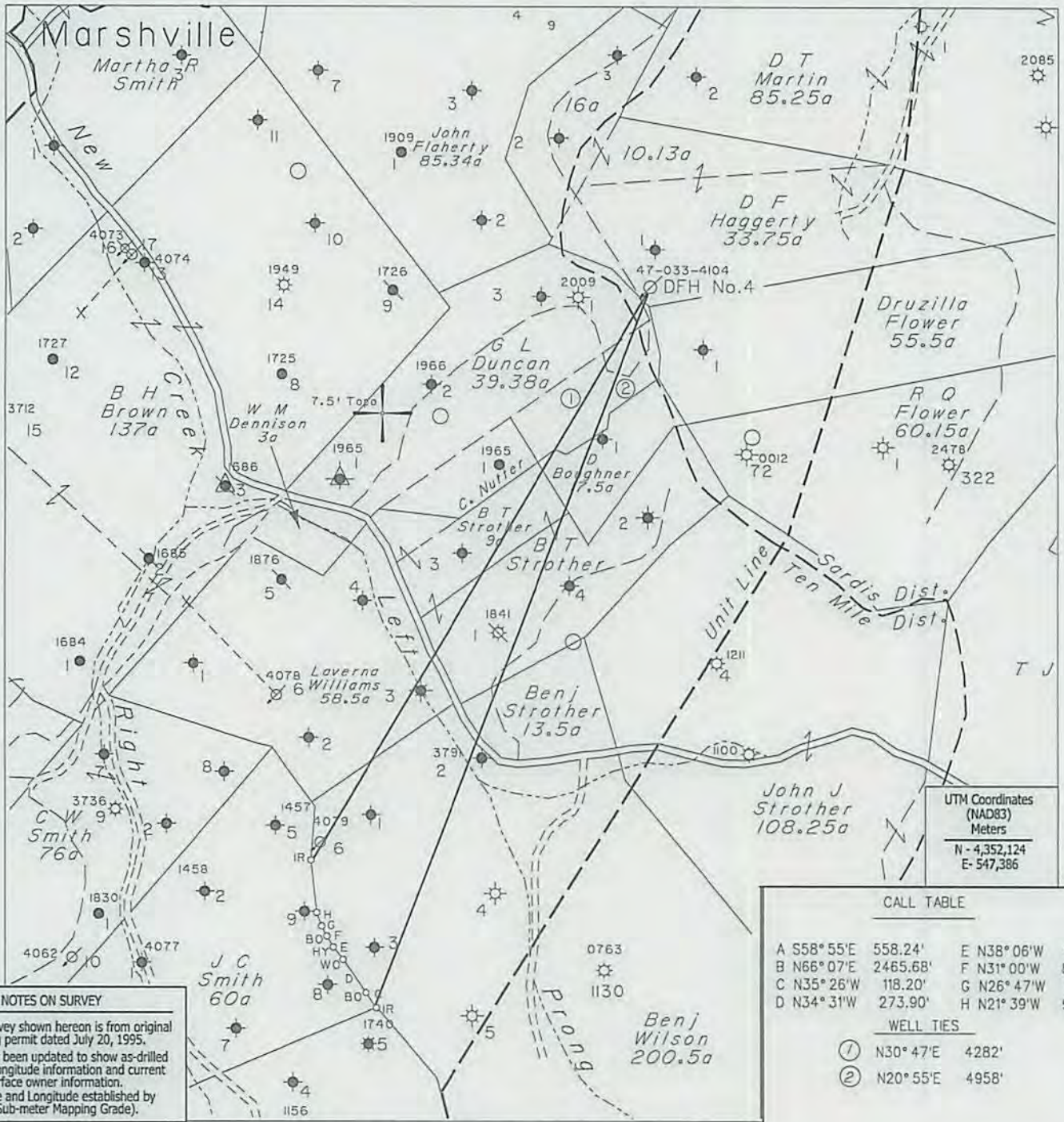
Drawing Not to Scale

SUBJECT WELL
D.F. Haggerty No.4
47-033-04104



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

Section of
Wolf Summit 7.5' Quadrangle
SCALE 1"=1000' 05/08/2015



UTM Coordinates (NAD83)
Meters
N - 4,352,124
E - 547,386

NOTES ON SURVEY
 1 - The survey shown hereon is from original drilling permit dated July 20, 1995.
 2 - Plat has been updated to show as-drilled Latitude/Longitude information and current surface owner information.
 3 - Latitude and Longitude established by DGPS (Sub-meter Mapping Grade).

CALL TABLE

A 558° 55'E	558.24'	E N38° 06'W	90.17'
B N66° 07'E	2465.68'	F N31° 00'W	82.92'
C N35° 26'W	118.20'	G N26° 47'W	58.60'
D N34° 31'W	273.90'	H N21° 39'W	99.00'

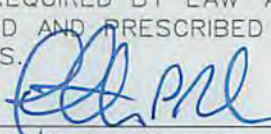
WELL TIES

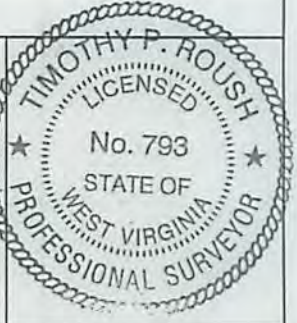
- ① N30° 47'E 4282'
- ② N20° 55'E 4958'

NOTE: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well
 (H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 1807
 MAP NO. N29 N S10 E 9 W
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 2000
 PROVEN SOURCE OF ELEVATION USGS BM = 1081'

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



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



DATE January 29, 2015
 FARM D.F. Haggerty No.4
 API WELL NO. 47-033-04104SW

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL OBSERVATION
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1488' WATERSHED Ten Mile Creek
 DISTRICT Sardis COUNTY Harrison
 QUADRANGLE Wolf Summit
 SURFACE OWNER William F. Clutter ACREAGE 65 Ac.
 OIL & GAS ROYALTY OWNER HG Energy, LLC et al. LEASE ACREAGE 505 Ac. **05/08/2015**
 LEASE NO. 99187-50
 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 3,125'
 WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
 ADDRESS 5260 DuPont Road Parkersburg, WV 26101 ADDRESS 5260 DuPont Road Parkersburg, WV 26101



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

January 30, 2015

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

RE: D. F. Haggerty No. 4 (API 47-033-04104)
Sardis District, Harrison County
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-3A, WW-3B, WW-9, WW-3(B1), mylar of plat, reclamation plan, topo map and copies of the certified mailing receipts for a permit to stimulate an 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: William F. Cutter – Certified
Janie & William Denoon Trust - Certified
Wolf Run Mining Company – Certified
Sam Ward – Inspector

05/08/2015