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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](http://www.dep.wv.gov)

July 16, 2013

**WELL WORK PERMIT**

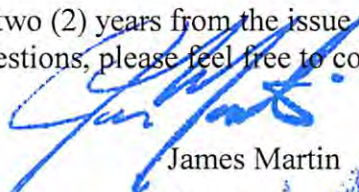
**Fracture**

This permit, API Well Number: 47-10301709, 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: L. S. HOYT 106  
Farm Name: DALLISON LUMBER, INC.  
**API Well Number: 47-10301709**  
**Permit Type: Fracture**  
Date Issued: 07/16/2013

**Promoting a healthy environment.**

**07/19/2013**

# 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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.



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

Well Operator's Report of Well Work

Operator name: Dallison Lumber Company Operator Well No.: L.S. Hoyt #106

LOCATION: Elevation: 1,402.00 Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6,100 Feet south of 39 Deg 37 Min 30 Sec.
Longitude: 6;300 Feet west of 80 Deg 37 Min 30 Sec.

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

Agent: PHILIP S. ONDRUSEK

Inspector: Randal Mick

Permit Issued: 8/20/96

Well work Commenced: 11/13/96

Well work Completed: 12/16/96

Vertical plugging

Permit granted on:

Rotary X Cable Rig

Total Depth (feet) 3441'

Fresh water depths (ft) NA

Alt water depths (ft) NA

Coal being mined in area (Y/N) N

Coal Depths (ft): 1294-1301

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft.
Rows include 8-5/8" (1339.24' used, 1339.24' left, Circulated Cement) and 4 1/2" (3388.00' used, 3388.00' left, 275 Sacks).

PEN FLOW DATA

\*Well was drilled as a waterflood injection well. No open-flow data was obtained

Producing formation Gordon Pay zone depth (ft) 3324-3336
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 & 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

For: PENNZOIL PRODUCTS COMPANY

By: [Signature]

Date: 12/24/96

JUN 26 2013

07/19/2013

**Treatment:**                      Perforations:                      3330-3334 -4 holes/ft. (16 holes)  
**Treatment:**                      Treated via 4.5" Casing with 300 gals. 15% HCl, 202 bbls.  
    Borate cross-linked gelled water and 8,500 lbs. of 20/40 sand.

**Well Log:**                      TD = 3441'

Sand	0	-	12
Shale	12	-	194
Sand	194	-	246
Shale	246	-	507
Sand	507	-	550
Shale	550	-	1051
Sand	1051	-	1162
Shale	1162	-	1168
Sand	1168	-	1258
Shale	1258	-	1282
Sand	1282	-	1294
Pittsburg Coal	1294	-	1301
Shale	1301	-	1364
Sand	1364	-	1380
Shale	1380	-	1416
Sand	1416	-	1470
Shale	1470	-	1654
Sand	1654	-	1672
Shale	1672	-	1774
Sand & Shale	1774	-	2445
Big Lime	2445	-	2560
Big Injun	2560	-	2738
Shale	2738	-	3286
Gordon Stray	3286	-	3313
Shale	3313	-	3324
Gordon	3324	-	3336
Shale	3336	-	3441

**Received**

JUN 26 2013

07/19/2013



1) Date: June 17, 2013  
 2) Operator's Well No. L. S. Hoyt 106  
 3) API Well No. 47 103 - 1709  
   State      County      Permit  
 4) UIC Permit No. UIC2R10304AP

**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) Surface Owner(s) To Be Served  
 (a) Name Dallison Lumber, Inc. ✓  
 Address HC 79, Box 50  
Jacksonburg, WV 26377  
 (b) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 6) Inspector Derek Haught  
 Address PO Box 85  
Smithville, WV 26178  
 Telephone 206-7613

7 (a) Coal Operator  
 Name NA  
 Address \_\_\_\_\_  
 7 (b) Coal Owner(s) With Declaration Of Record  
 Name NA  
 Address \_\_\_\_\_  
 Name NA  
 Address \_\_\_\_\_  
 7(c) Coal Lessee With Declaration Of Record ✓  
CONSOL  
6126 Energy Road  
Moundsville, WV 26041

**TO THE PERSON(S) 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 NA

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON FORM WW-3(A) DESIGNATED TO YOU. HOWEVER YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a 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 C. White  
 Its: Accountant

Signature

*Diane C White* **Received**

**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 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)  
 Office of Oil and Gas  
 WV Dept. of Environmental

**07/19/2013**

103-01709F



**CONSOL Energy Inc.**  
Ohio Valley Operations  
6126 Energy Road  
Moundsville, WV 26041

phone: 304/843-3529  
fax: 304/843-3546  
e-mail: EricShereda@consolenergy.com  
web: www.consolenergy.com

**J. ERIC SHEREDA**  
Manager Engineering

July 2, 2013


Mr. James Martin  
West Virginia Department of Environmental Protection  
601 57<sup>th</sup> Street  
Office of Oil & Gas  
Charleston, West Virginia 25304

RE: HG Energy LLC Proposed L.S. HOYT 104, L.S. HOYT 105, L.S. HOYT 106, and  
L.S. HOYT 108 Wells

Dear Mr. Martin,

RESERVE COAL PROPERTIES COMPANY does not object to the proposed well work for the above referenced wells. Attached are the signed coal waiver forms WW-2A approving the well work of the above referenced wells. If you have any questions or require additional information, please contact me at 304-843-3529.

Sincerely,

  
J. Eric Shereda  
Manager Engineering

Received

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Office of Oil and Gas  
WV Dept. of Environmental Protection

07/19/2013

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County: Wetzel

Operator: HG Energy LLC

Operator's Well #: L.S. HOYT 106

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

WAIVER

The undersigned coal operator \_\_\_\_\_ / owner X / lessee \_\_\_\_\_ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

**RESERVE COAL PROPERTIES COMPANY approves and authorizes the well work represented by this well work application, provided that HG Energy LLC performs this work on the well located at the WV North NAD27 coordinates of North 405,752.370, East 1,672,077.237.**

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

_____	_____	Company Name	RESERVE COAL PROPERTIES COMPANY
Signature	Date	By	J. Eric Shereda
		Its	Manager - Engineering
			Ohio Valley Operations
		Signature	<u>J. Eric Shereda</u>
		Date	<u>7-2-2013</u>

Received

8 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection

07/19/2013



Operator's Well No. L. S. Hoyt 106

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 HG Energy, LLC OP Code 494497948

Watershed Betsy Run Quadrangle Pine Grove 7.5'

Elevation 1402' County Wetzel District Grant

Description of anticipated Pit Waste: Fluids encountered in stimulating existing well.

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

Will a synthetic liner be used in 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)  
 Other ( Explain \_\_\_\_\_ ) )

Drilling medium anticipated for this well? Air, fresh water, oil based, etc. NA  
- If oilbased, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used? Water, soap, KCl

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. \_\_\_\_\_  
- If left in pit and plan to solidify, what medium will be used? Cement, lime, sawdust Native soil, sawdust, lime  
- Landfill or offsite name/permit number? \_\_\_\_\_

Dmit  
6-23-13

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 C White*  
Company Official (Typed Name) Diane C. White  
Company Official Title Accountant

Subscribed and sworn before me this 14 day of June 2013  
*Tina L Pethel* Notary Public

My commission expires Nov 12, 2018

Received

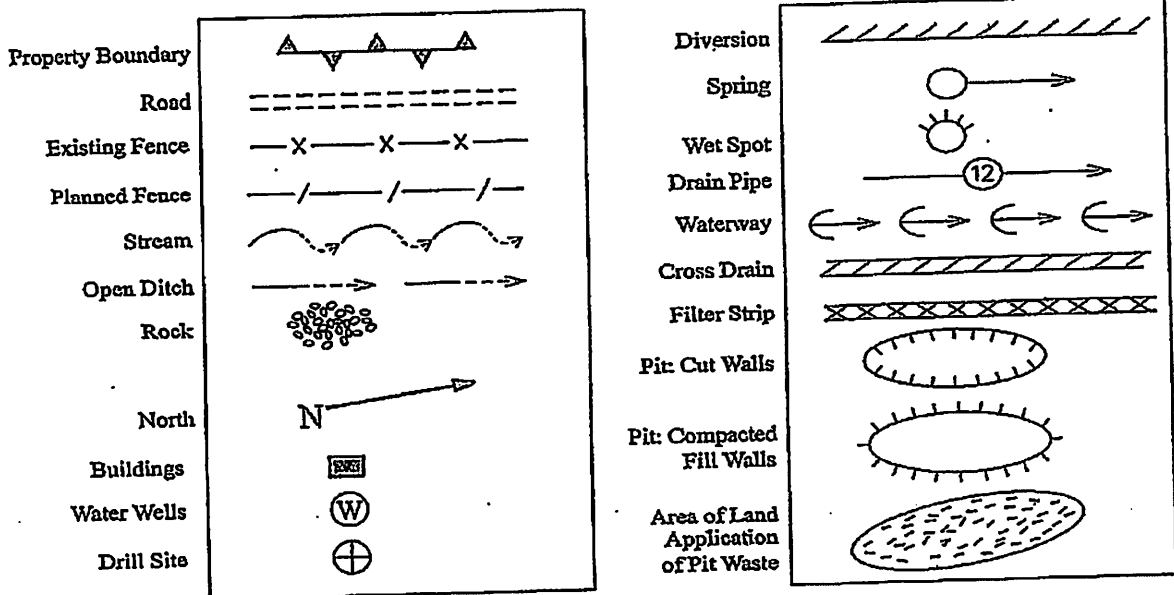


JUN 26 2013

Office of Oil and Gas  
Department of Environmental Protection

07/19/2013

Legend



Proposed Revegetation Treatment: Acres Disturbed Area I Approx. 0.2 Ac. Prevegetation pH \_\_\_\_\_  
Area II Approx. 0.1 Ac.

Lime 2 Tons/Acre or Correct to pH 6.5  
 Fertilizer (10-20-20 or Equivalent) 500 Lbs./Acre (500 lbs. Minimum)  
 Mulch Straw 2 Tons/Acre

SEED MIXTURES

<u>Area I (Location)</u>		<u>Area II (Road)</u>	
Seed Type	Lbs./Ac.	Seed Type	Lbs./Ac.
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.

Plan approved by: \_\_\_\_\_  
 Comments: \_\_\_\_\_

Title: Oil + Gas Inspector Date: 6-27-13

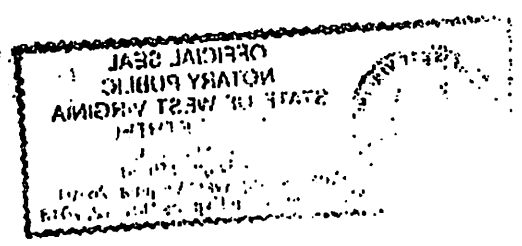
Field Reviewed? ( ) Yes (  ) No

Received

JUN 26 2013

Office of Oil and Gas  
 WV Dept. of Environmental Protection

07/19/2013



# Reclamation Plan For:

## L.S. Hoyt No. 106

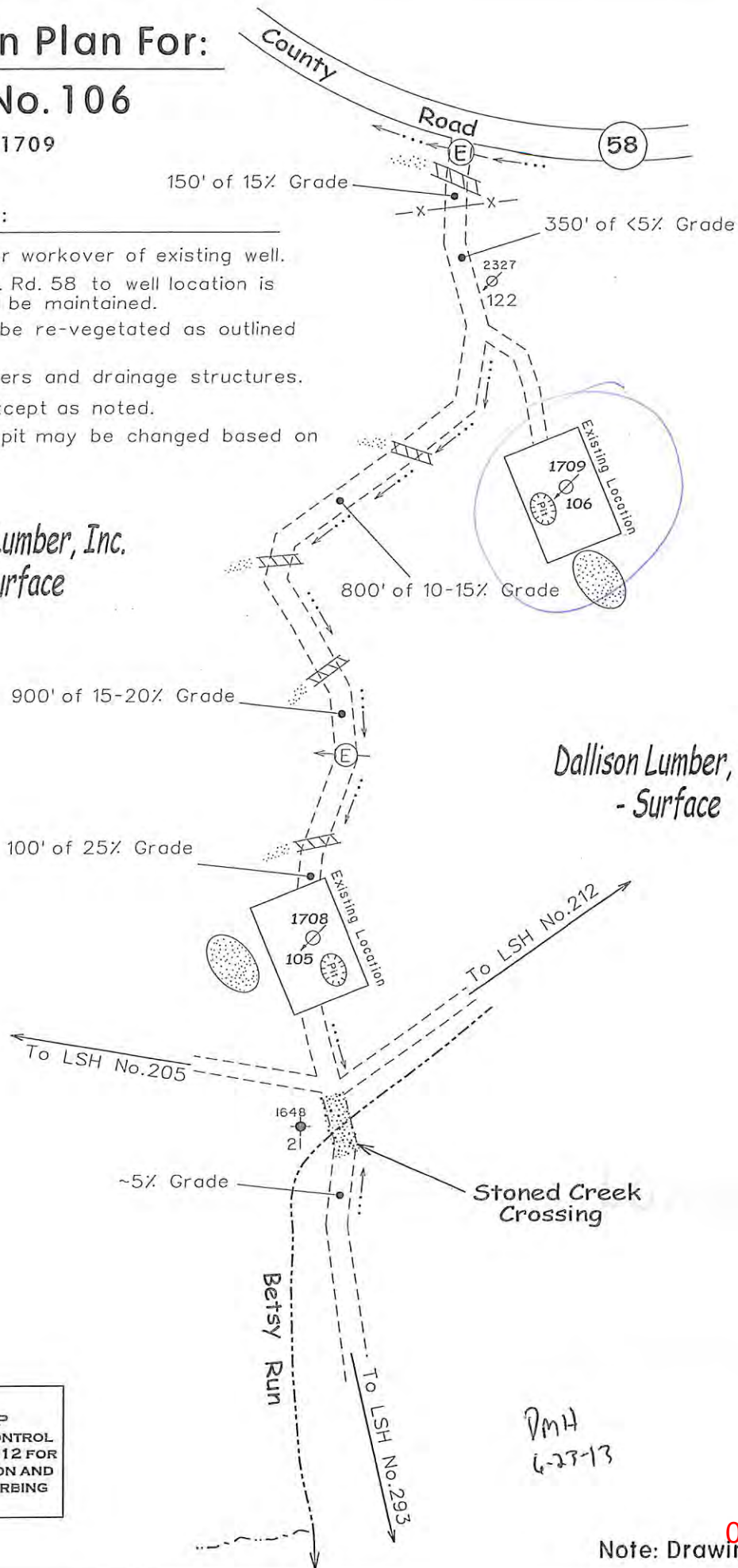
47-103-1709

### Notes:

- Requested permit is for workover of existing well.
- Access road from Co. Rd. 58 to well 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.
- All road grades <5% except as noted.
- Location of work-over pit may be changed based on as-built considerations.

*Dallison Lumber, Inc.*  
- Surface

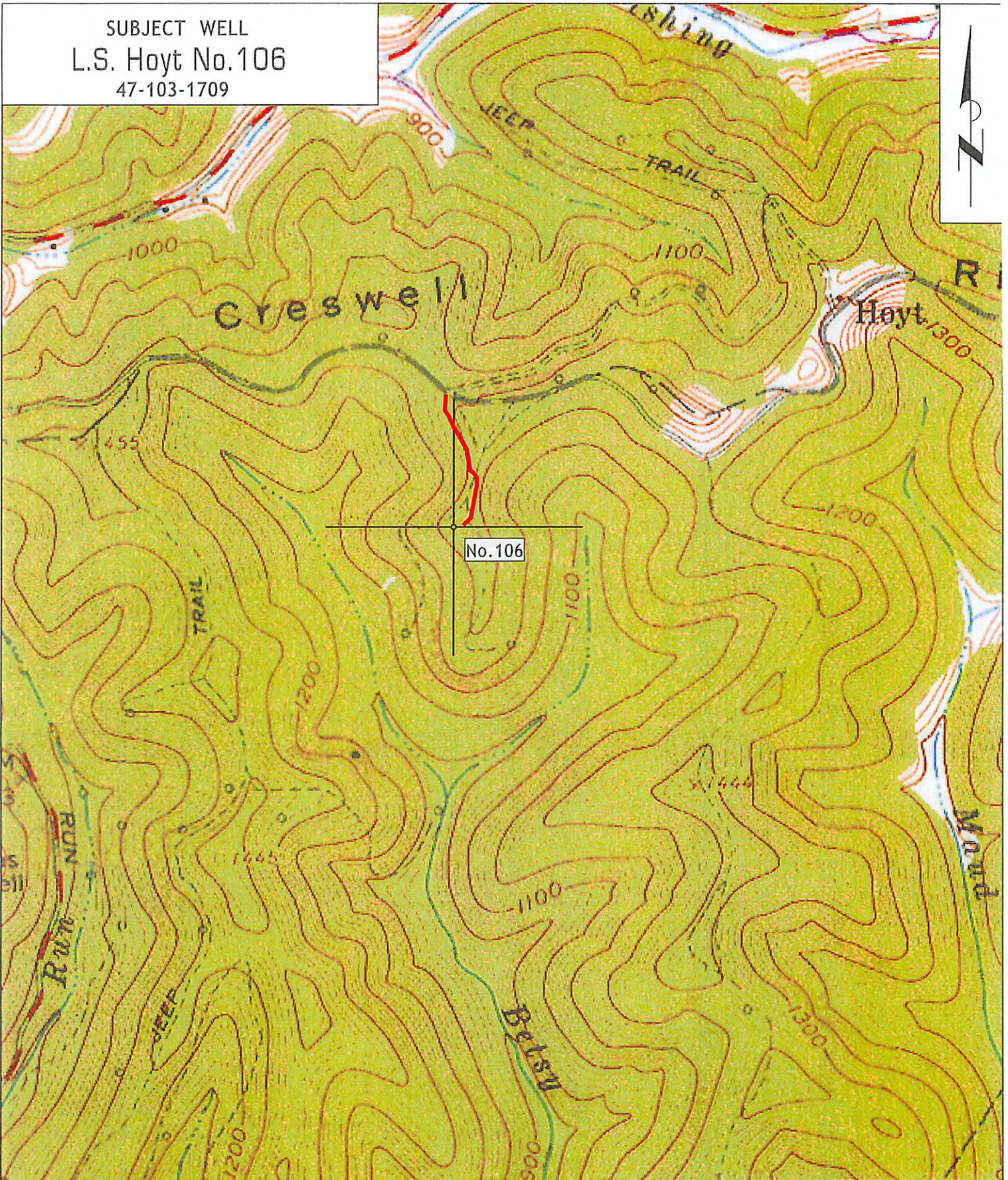
*Dallison Lumber, Inc.*  
- Surface



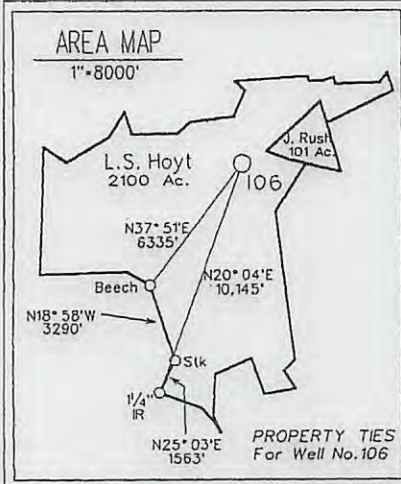
REFER TO THE WVDEP  
EROSION AND SEDIMENT CONTROL  
FIELD MANUAL VER. MAY 2012 FOR  
BMPs CONTROLLING EROSION AND  
SEDIMENT FROM SOIL-DISTURBING  
OPERATIONS.

PMH  
6-27-13

SUBJECT WELL  
L.S. Hoyt No.106  
47-103-1709



Dm 17  
 6-23-17  
 Section of  
**Pine Grove 7.5' Quadrangle**  
 SCALE 1"=1000  
 07/19/2013



**PLAT NOTES**

- The drawing shown hereon is from the original drilling permit plat dated 7/30/96.
- 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)



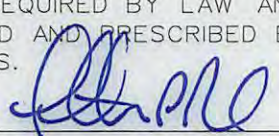
**UTM Coordinates**  
 NAD 1983 (m.)  
 N - 4,384,341 m.  
 E - 530,298 m.

⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

LONGITUDE 80° 37' 30"  
6,100'  
Latitude - 39° 36' 29.5"

FILE NO. \_\_\_\_\_  
 MAP NO. \_\_\_\_\_ N \_\_\_\_\_ S \_\_\_\_\_ E \_\_\_\_\_ W \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_ Sub-Meter  
 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 PS 793



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



DATE June 5, 2013  
 FARM L.S. Hoyt No. 106  
 API WELL NO. 47-103-01709 F

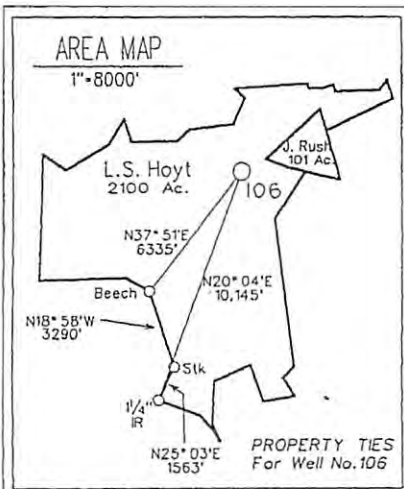
WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION  WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1,402' WATERSHED Betsy Run  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Pine Grove 7.5'  
 SURFACE OWNER Dallison Lumber, Inc. ACREAGE 2099.3 Ac.  
 OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2,100 Ac.  
 LEASE NO. 52265-50

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

07/19/2013

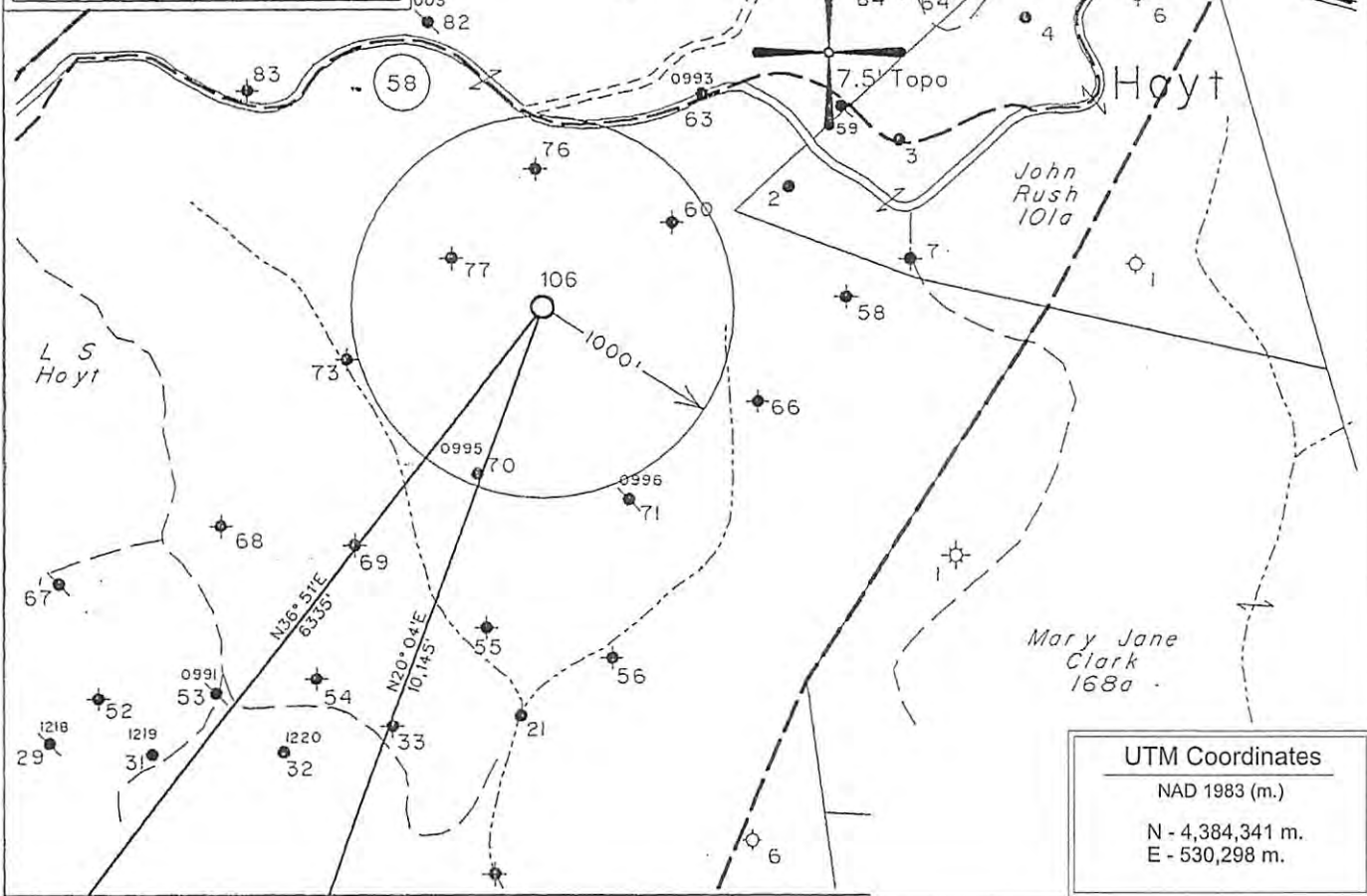
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Gordon ESTIMATED DEPTH 3,441'  
 WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Mike Kirsch  
 ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road  
 Parkersburg, WV 26101 Parkersburg, WV 26101

1 JUN 14 10 50



**PLAT NOTES**

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- Latitude & Longitude shown was measured by DGPS - Sub-Meter Mapping Grade (NAD 1927)



**UTM Coordinates**  
 NAD 1983 (m.)  
 N - 4,384,341 m.  
 E - 530,298 m.

⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. \_\_\_\_\_  
 MAP NO. \_\_\_\_\_ N \_\_\_\_\_ S \_\_\_\_\_ E \_\_\_\_\_ W \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_ Sub-Meter  
 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) *[Signature]*  
 TIMOTHY P. ROUSH PS 793



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



DATE June 5, 2013  
 FARM L.S. Hoyt No. 106  
 API WELL NO. 47-103-01709F

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION  WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1,402' WATERSHED Betsy Run  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Pine Grove 7.5'  
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 OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2,100 Ac. LEASE NO. 52265-50  
 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 Gordon ESTIMATED DEPTH 3,441'  
 WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Mike Kirsch  
 ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road  
 Parkersburg, WV 26101 Parkersburg, WV 26101

07/19/2013

Office of Oil and Gas  
 Dept. of Environmental Protection

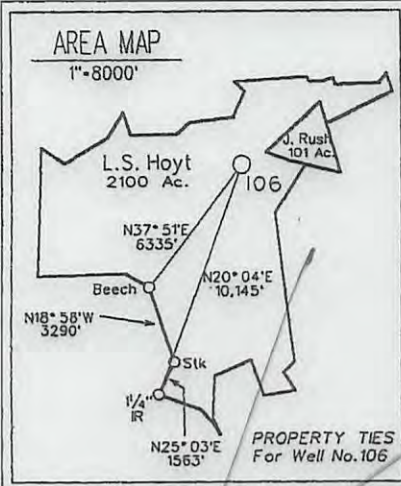
JUL 12 2013

Received

LONGITUDE 80° 37' 30"

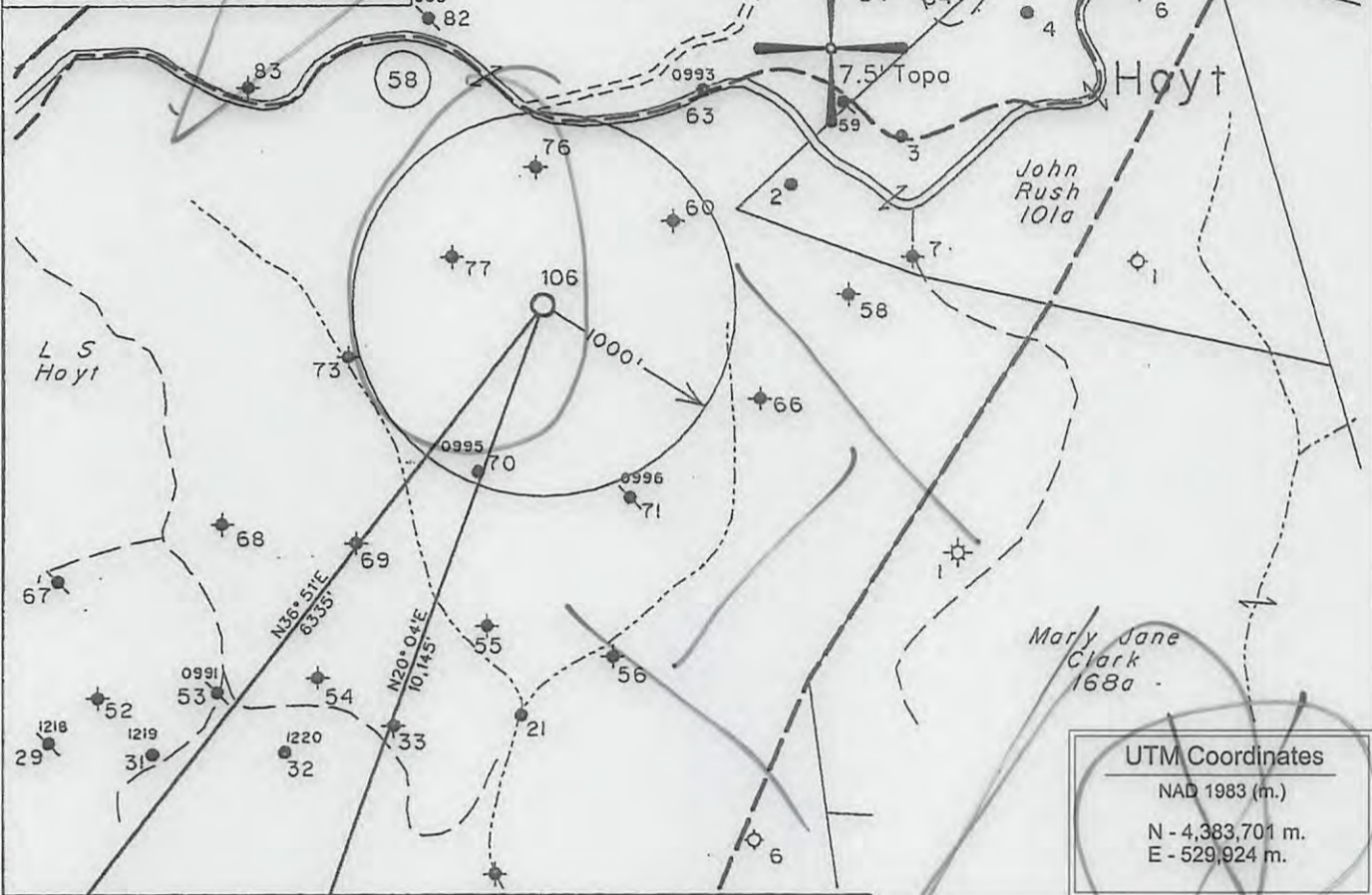
Latitude - 39° 36' 29.5"

3-11-11-1



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- Latitude & Longitude shown was measured by DGPS - Sub-Meter Mapping Grade (NAD 1927)



⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

**UTM Coordinates**  
NAD 1983 (m.)  
N - 4,383,701 m.  
E - 529,924 m.

FILE NO. \_\_\_\_\_  
MAP NO. \_\_\_\_\_ N \_\_\_\_\_ S \_\_\_\_\_ E \_\_\_\_\_ W \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY \_\_\_\_\_ Sub-Meter \_\_\_\_\_  
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(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 June 5, 2013  
FARM L.S. Hoyt No. 106  
API WELL NO. 47-103-01709

WELL TYPE: OIL \_\_\_\_\_ GAS \_\_\_\_\_ LIQUID INJECTION X WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
LOCATION: ELEVATION 1,402' WATERSHED Betsy Run  
DISTRICT Grant COUNTY Wetzel  
QUADRANGLE Pine Grove 7.5'

SURFACE OWNER Dallison Lumber, Inc. ACREAGE 2099.3 Ac.  
OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2,100 Ac. **07/19/2013**  
LEASE NO. 52265-50

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 Gordon ESTIMATED DEPTH 3,441'  
WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Mike Kirsch  
ADDRESS 5260 Dupont Road ADDRESS 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

LONGITUDE 80° 37' 30"  
6,100'  
Latitude - 39° 36' 29.5"

FURM IV-6