

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

July 16, 2013

WELL WORK PERMIT

Fracture

This permit, API Well Number: 47-10301721, 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 104

Farm Name: DALLISON LUMBER, INC.

API Well Number: 47-10301721
Permit Type: Fracture

Date Issued: 07/16/2013

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 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.

WW-3B 10/07



1) Date		J	une 14, 20	013	
2) Operator's Well No.			. S. Hoyt		
3) API Well No.	47	-	103	٦.	1721
	State		County		Permit
4) UIC Permit No.		τ	JIC2R103	04AP	

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

	PE:	Liquid	l Injection	X		Gas Inje	ction (not ste	orage)	Waste Dis	posal
6) LOCATION	N:	Elevation	1370				Watershed	Betsy	Run	
	Distric	t	Grant	04	Co	ounty V	Wetzel		Quadrangle	Pine Grove 7.5' 54
7) WELL OPE	ERATOR:	HG Ener	gy, LLC		49449	7948 8) DESIGNA	TED AGENT	T: Mike	Kirsch
			pont Road			-	, 220101111		7	Dupont Road
		Parkersh	ourg, WV	26101						ersburg, WV 26101
9) OIL & GAS	SINSPECT	OR TO BE	NOTIFIE	ED:			0) DRILLIN	IG CONTRA	CTOR:	
	Nam	e Derek Ha	aught				o Contractor			Upon Permit Approval
	Addres	s PO Box 8	35					Addres		***************************************
		Smithvil	le, WV 26	178						
11) PROPOSEI	D WELL W	ORK:	Drill			Drill De	eper	Redri	II Stim	ulate X
					old Form	ation	Perfora	ate New Form		Convert
			Other	Physic	al Chang	ge in Well (spe	cify)			
12) Geological t	target form	ation		Gordo	n	D	Depth	3,418	Ft. (Top) to	3,424 Ft. (Botton
13) Estimated	depth of co	mpleted we	ell (or actu	al dep	th of exis	sting well)		3490'	Ft.	
14) Approximat	te water st	rata depths	3:	Fresh		NA	Ft.		Salt	NA Ft.
15) Approximat	te coal sear	n depths:			1216-	1221	Ft.			
(6) Is coal being	g mined in	the area?			-	Yes		X No		
7) Virgin reser	S (11) (1)		et formati	on.		60	-	psig.	Source	Estimated
8) Estimated 1	Mary Marie					1200				Dominated
				TO A IDEA			~~	psig.		
9) MAXIMUM	I PROPOSI	ED INJECT	FION OPI			Volume per l	-	ol/hr	Bottom Hole Pres	ssure 2400 psi
19) MAXIMUM 20) DETAILED	I PROPOSI	ED INJECT	TION OPE	RIALS	TO BE I		CLUDING	ol/hr		ssure 2400 psi
19) MAXIMUM 20) DETAILED and other cl	I PROPOSI IDENTIFI hemicals as	ED INJECT ICATION (s needed to	FION OPI DF MATE maintain	RIALS water	TO BE I	Volume per l	NCLUDING 1 recovery.	ol/hr		
19) MAXIMUM 20) DETAILED and other cl 21) FILTERS (I	I PROPOSI IDENTIFI hemicals as IF ANY)	ED INJECT ICATION (s needed to	FION OPP OF MATE maintain Cartridge	RIALS water	TO BE I quality a and/or o	Volume per l NJECTED, IN and improve oi	NCLUDING 1 recovery.	ADDITIVES		
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9) MAXIMUM 20) DETAILED and other cl 21) FILTERS (I 22) SPECIFICA 23) CASING AR CASING OR CUBING TYPE Conductor Cresh Water Coal Intermediate Croduction Cubing	I PROPOSI DENTIFI hemicals as IF ANY) ATION FOR ND TUBIN Size 8 5/8"	ED INJECT CATION (Someoded to Someoded to	PION OPP DF MATE maintain Cartridge DIC PROT AM FICATION Weight 17#	RIALS water efilters ECTIO	TO BE I quality a and/or c	Volume per la NJECTED, IN and improve oi coal bed filters OTHER CORR FOOTAG For Drilling 1293'	COSION COL	ADDITIVES NTROL LS t in Well 1293'	CEMENT FILLIOR SACKS (CU. Use Existing Casing Use Existing	UP PACKERS FT.) Kinds Tension Sizes 2.375" X 4.5" Depths Set
9) MAXIMUM 20) DETAILED and other cl 21) FILTERS (I 22) SPECIFICA 23) CASING AR CASING OR CUBING TYPE Conductor Cresh Water Coal Intermediate Croduction Cubing	I PROPOSI DENTIFI hemicals as IF ANY) ATION FOR ND TUBIN Size 8 5/8"	ED INJECT CATION (Someoded to Someoded to	PION OPP DF MATE maintain Cartridge DIC PROT AM FICATION Weight 17#	RIALS water efilters ECTIO	TO BE I quality a and/or c	Volume per la NJECTED, IN and improve oi coal bed filters OTHER CORR FOOTAG For Drilling 1293'	COSION COL	ADDITIVES NTROL LS t in Well 1293'	CEMENT FILLIOR SACKS (CU. Use Existing Casing Use Existing	UP PACKERS FT.) Kinds Tension Sizes 2.375" X 4.5" Depths Set 3100'
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JUN 2 6 2013

21-Oct-96 47 -103- 1721 API#

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

Well Operator's Report of Well Work

m name:	Dallison Lum	ber Company		Ope	rator W	ell l	No.: I	L.S. I	Hoyt#	104 Rev.		
CATION:	Elevation:	1,370.00		Qua	drangle	:	Pine (Grove	;			
	District: Latitude: Longitude:		et south of et west of	39	nty: V Deg Deg	37 3	Min		Sec. Sec.			
npany:	P.O. BOX 55	RODUCTS Co 19 V 26105-5519	OMPANY		Casir & Tubir	ıg	Used			Left Well	Ceme Fill U Cu. F	Jр
:nt:	PHILIP S. ON	IDRUSEK			Size							
ector: nit Issued: l work Com		10/21/96 10/24/96			JIZ.							
l work Compal plugging		12/5/96			8-5/8	"	129	3'	1	293'	580 S	acks
nission grant ry X d Depth (fee h water dept	Cablet)	Rig 3538' NA	 -		4 1/2"		3490.	00'	349	90.00'	275 S	acks
water depths		NA NA								Office of	TYED OII & Gas nitting	
al being min Depths (ft):	ed in area (Y/N) N 1216-1221								W Dep	9 2003	
N FLOW DA		*Well was drill *Well was drill	ed as a wate	erfloo	d injecti	ion v	vell. N	lo op	∟ en-flo	w data wa	CONTRACTOR SO	
	ig tormation		Gordon	iany i	420-21I				oth (ft)		3418-34	24 .
]	Initial open flow Final open flow Time of open		* MC	TF/d	Oil: Ini Fir	tial o	open f pen fl	low		*	Bb	01/d 01/d
Static ro	ck pressure		* psi	g (sur	tests face pr	essu	re)		fter	Hours	Но	ours
Second p	oroducing forma Initial open flow	ntion	MC	 17/4	Oile Test	_Pa	y zon	e dep	th (ft)			
1	Final open flow Time of open	-	MC	TF/d	Oil: Ini Fin		pen flo pen flo			·	Bb Bb	Vd Vd
Static roo	ck pressure	——			tests face pr	essu	re)	at	fter	Hours	Но	urs
THOUSE THE CO	F THIS FORM B CHUSICAL CHI ORD OF ALL FO	11/06, ETC. 2) I	HE WELL LO	CX i WE	TICH IS	4	CTEM		DETA	עם זו	URING	
	JUN 2 6 2013		PENNZOI		/)	_/	DMP/)			·
WV De	Office of Oil and Ga ept. of Environmental	is Protection	By: Date:	4	2/23/	1 (- 36	Y	4			07/ 1	9/2 013
					_							

Treatment:

Perforations:

3424-3428 - 4 holes/ft. (16 Holes)

Teatment:

Treated via 4.5" Casing with 300 gals. 15% HCl, 136 bbls.

Borate cross-linked gelled water and 12,500 lbs. of 20/40 sand.

Well Log:

*Well was drilled directionally N58-21E 653' to bottom hole.

All depths given below are measured depths.

	-L P-1 07 0070 !!	•••	o moas
Sand	0	_	36
Sand & Shale	36	-	1216
Pittsburg Coal	1216	· _	1221
Sand	1221	-	1326
Shale	1326	_	1377
Sand	1377	-	1417
Sand & Shale	1417	-	2500
Big Injun	2500	_	2700
Shale	2700	-	3374
Gordon Stray	3374	-	3406
Shale	3406	_	3418
Gordon	3418	-	3424
Shale	3424	_	3538

Received

JUN 2 6 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

WW-3A 10/07



1) Date:		June 14, 2	2013		
2) Operator's We	ll No.	L. S. Hoyt	104		
3) API Well No.	47	103	1.	1721	
	State	County		Permit	
4) UIC Permit N	o.	UIC2R103	304AP		

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	r(s) To Be Served	7 (a)	Coal Operator		
(a) Name	Dallison Lumber, Inc.		Name	NA	
Address	HC 79, Box 50		Address		
-	Jacksonburg, WV 26377		_		
(b) Name		7 (b)	Coal Owner(s	s) With Declaration Of Record	
Address			Name	NA	
_			Address		_
(c) Name					
Address			Name	NA	_
Address	-		Address	1471	_
-			Address		_
C) Income to a	Develt Hought	7/~	Coallana	ith Declaration Of Record	-/
6) Inspector _	Derek Haught	7(c)	Coal Lessee v		/
Address	PO Box 85		-	CONSOL	
= 1.5	Smithville, WV 26178		_	6126 Energy Road	
Telephone _	206-7613			Moundsville, WV 26041	
TO THE PERS	ON(S) NAMED ABOVE: You should have	rece	ved this fo	orm and the following docume	nts
THE REASON YOU WHICH ARE SUM ARE NOT REQUI Take notice that und Application and accommental Prote WW-6. Copies of this certified mail or deli	ed for the first injection or waste disposal is DU RECEIVED THESE DOCUMENTS IS THAT YOU MARIZED IN THE "INSTRUCTIONS" ON FORM TRED TO TAKE ANY ACTION AT ALL. Her Chapter 22-6 of the West Virginia Code, the undersigned companying documents for a Well Work Permit with the Chief ection, with respect to a well at the location described on the South Notice, the Application, the plat, and the Construction and wered by hand to the person(s) named above (or by publication).	U HAV WW-3(d well or ef of the e attach d Reclar	A) DESIGNA perator propos Office of Oil a ed Application nation Plan ha	es to file or has filed this Notice and and Gas, West Virginia Department of and depicted on the attached Form we been mailed by registered or	
mailing or delivery t	The person signing this document shall make the	followi	ng certificati	on:	
'I certify under pena	alty of law that I have personally examined and am	Well	Operator	HG Energy, LLC	
	ormation submitted in this document and all attachments		ress	5260 Dupont Road	
	ny inquiry of those individuals immediately responsible			Parkersburg, WV 26101	
for obtaining the infe	ormation, I believe that the information is true, accurate				
and complete. I am a	aware that there are significant penalties for submitting	By:		Diane C. White	
false information, in	cluding the possibility of fine and imprisonment."	Its:		Accountant	
	Received			1:1	
		Sign	ature	Diane CWhite	
Oil and Gas Privacy	Notice IIIM 2 C core			-	
Your personal inform or regulatory require	I Gas processes your personal information, such as name, ac mation may be disclosed to other State agencies or third par ements, including Freedom of Information Act requests. Ou about our use of your personal infoffice of Civiconmental Protect	ties in t r office DEP's Cl	he course of bu will appropria	isiness or as needed to comply with statute tely secure your personal information. If yo	u

07/19/2013



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 57th 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

Office of Oil and Gas WV Dept. of Environmental Protection

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County: Wetzel				
Operator: HG Energy LLC	Operator's Well	#: L.S. HOYT 1	04	-
INSTRUCTIONS TO	COAL OPERATOR O	WNER ORIES	SEE	
mornoonono ro	DONE OF ENATOR, O	WINLIN, ON LL	JOLL	
To the coal operator, owner, or less any objection you wish to make or are required the Chief of the Office of Oil and Gas within the Office.	ired to make by Code	22-6-15, 16 or	17, must be	e filed with
	WAIVER			
The undersigned coal operatorlocation has examined this proposed well le location, the well location has been added work proposed to be done at this location, applicable requirements of the West Virginian	ocation. If a mine map to the mine map. The provided, the well ope	exists which co undersigned ha ator has compli	overs the ar s no object ed with all	ea of well
RESERVE COAL PROPERTIES COMPAI this well work application, provided that the WV North NAD27 coordinates of Nor	HG Energy LLC per	orms this work	l work rep on the we	resented by ell located at
FOR EXECUTION BY A NATURAL PERSO	ON FOR EXEC	UTION BY A CO	RPORATI	ON, ETC.
Date	Company Name	RESERVE COMPANY	COAL	PROPERTIES
Signature	Ву	J. Eric Shered	da	
	Its	Manager - En		
		Ohio Valley C	perations	
		16-8	Q	7-28013
	(Signature		Date

Received

JUL 8 2013

Office of Oil and Gas WV Dept. of Environmental Protection Form WW-9 Rev. 10/94

:	Page_	3	of	3
API Number	47-	103	-	1721
Operator's Well No.	L.S.	. Hoyt	104	

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 49449	17948
Watershed	Betsy Run			Quadrangle	Pine Grove 7.5	
Elevation	1370'	County	Wetzel	District	Grant	
Description o	f anticipated Pit Waste:	- Fluids encoun	tered in stimulatin			
Do you antici	pate more than 5,000 bbls				No X	
Will a synthe	tic liner be used in pit?	Yes	If so, what mil.?	20 Mil.		
Proposed Dis	posal Method For Treated	Pit Wastes:				
	X Land Applic					
	Undergroun	d Injection (UIC :	Permit Number)
	Reuse (at AI)
•	Off Site Disp Other		m WW-9 for disposal	location)		
D		(Explain				
	um anticipated for this wel			NA		
Additives to b	- If oilbased, what type? So be used? Water, soar		ш, есс.		•	On 1
	disposal method? Leave in	<u> </u>	noved offsite etc			—— <i>`i-</i> ɔ
	- If left in pit and plan to so			ment lime conduct	Notive seil semiduel	1:
	- Landfill or offsite name/pe		am wm be asea: Of	ment, mue, sawaust	ivacive son, sawqusi	, lime
applicable law this application for obtaining t	sions of the permit are enfor or regulation can lead to e I certify under penalty of la on form and all attachments the information, I believe the ubmitting false information	nforcement action with a I have per sthereto and that the informations.	on. rsonally examined ar t, based on my inqui on is true, accurate a	nd am familiar with the ry of those individuals i and complete. I am awar	information submitted mmediately responsib	d on le
Company Of	ficial Signature		Diane C.li	hite.		
	ficial (Typed Name)		Diane C. White			
Company Of			Accountant			
						•
Subscribed a	nd sworn before me this	14-	day of Jun	~ 20 <i>i</i> 3		
	Jane L	Polle		1	Notary Public	
My commissi	on expires	12,201	81			
Form WW-9	1 10			***************************************	OFFICIAL	SEAL
		0.5		AT WISTER	NOTARY P	UBLIC

JUN 2 6 2013

Office of Oil and Gas

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
TINA L. PETHTEL
HGEnergy, LLC
5260 Dupont Road
Parkersburg, West Virginia 26101
My Commission Expires Nov. 12, 2018

Legend

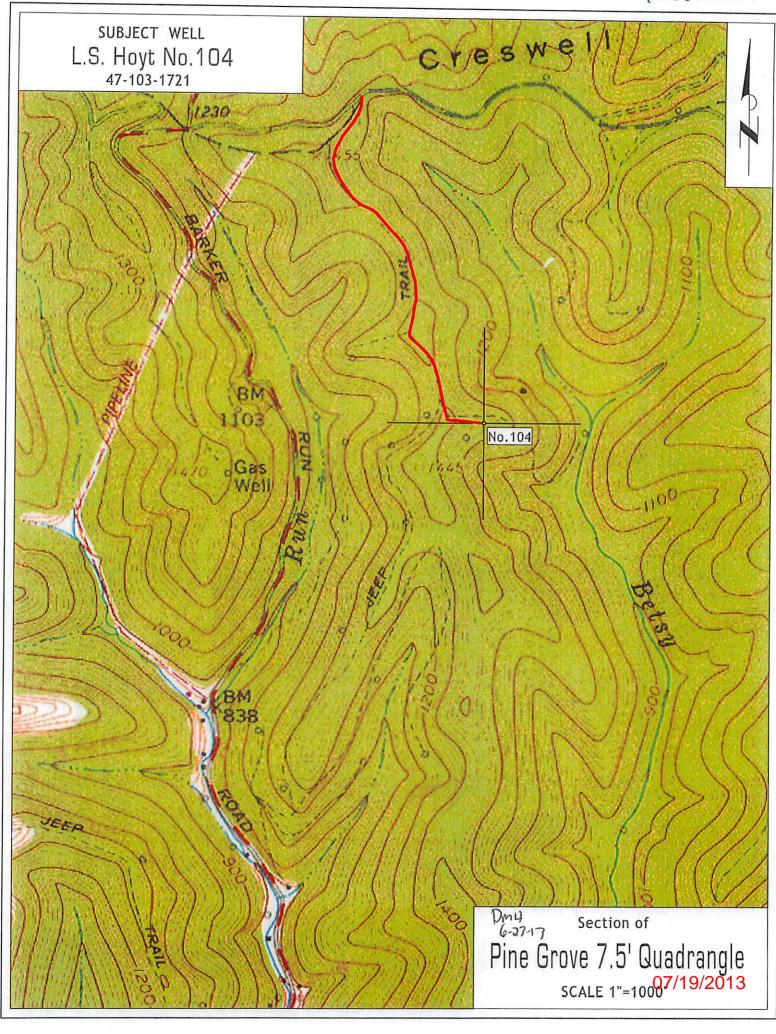
Property Boundary	A A A	Diversion	11111111111
Road		Spring	○
Existing Fence	—x——x——	Wet Spot	ひ
Planned Fence	//	Drain Pipe	(2)->
Stream		Waterway	\leftarrow
Open Ditch	>	Cross Drain	7/11/11/11/11
Rock	2000	Filter Strip	XXXXXXXXX
X CODE		Pit: Cut Walls	Circuit
North	N		11111
•		Pit: Compacted Fill Walls	
Buildings			71111
Water Wells	®	Area of Land Application	
Drill Site	⊕	of Pit Waste	
	Area	i I	
Proposed Revegetation Treatm			evegetation pH
Troposed Revegeration Treatm	Area		
	•		
	Approx.	0.1 Ac.	
	0		
Lime	2 Tons/Acre or Co	rrect to pH 6.5	IL Binimum
Fertiliz Pertiliz	er (10-20-20 or Equivalent)50		10s. Williami
Mulch	Straw 2 Tons/Ac	re	
	SEED MO	KTURES	
Area	I (Location)		Area II (Road)
Seed Type	Lbs/Ac.	Seed Type	Lbs/Ac.
Tall Fescue	40	Tall Fescue	40
Ladino Clover	. 5	Ladino Clover	. 5
Attach:			
Praying(s) of road, location,	oit and proposed area for land application	l	
Photocopied section of involve	ed 7.5' topographic sheet.		
Plan approved by:	1/-	•	
Plan approved by:		•	
Comments			
Title: Ö.	1 + ber Inspector		Date: 6-23-17
Field Reviewed?	() Yes	(\	No
T. Tela Tackle Meal	\	` ,	



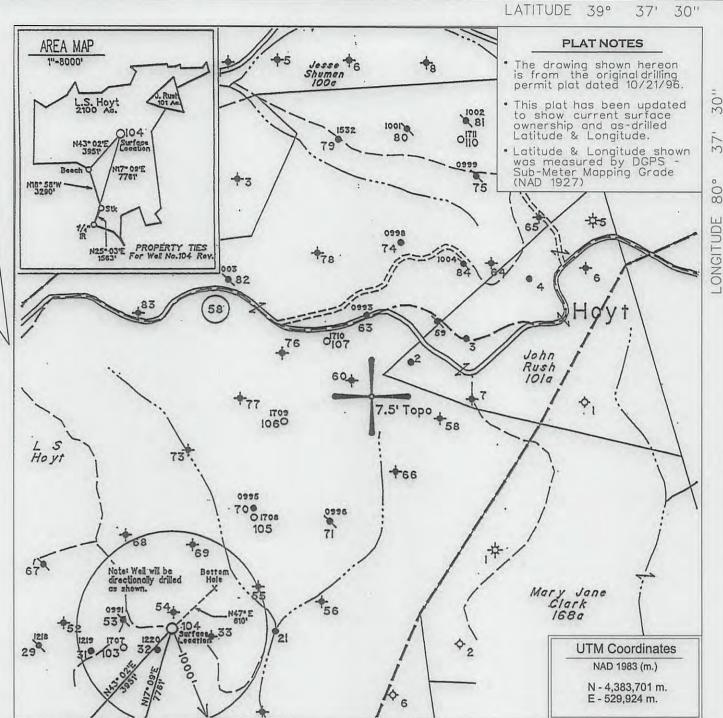
JUN 2 6 2013

Office of Oil and Gas WV Dept. of Environmental Protection

DESCRIPTION OF



200



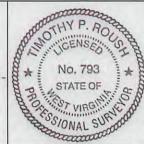
- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

1" = 1000" MINIMUM DEGREE OF ACCURACY Sub-Meter 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 REGU-PRESCRIBED BY THE DEPART LATIONS ISSUED AND MENT OF MINES.

TIMOTHY P. ROUSH PS 793



WEST VIRGINIA

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



June 5, 2013 DATE_ L.S. Hoyt No. 104 FARM_

API WELL NO.

WELL TYPE: OIL ___ GAS __ LIQUID INJECTION_X WASTE DISPOSAL ___ (IF "GAS") PRODUCTION ___ STORAGE__ DEEP__ SHALLOW_ ____ WATERSHED Betsy Run LOCATION: ELEVATION ___ 1,370' Grant Wetzel DISTRICT_ COUNTY_ QUADRANGLE Pine Grove 7.5 Dallison Lumber, Inc. ACREAGE 2099.3 Ac. SURFACE OWNER____ OIL & GAS ROYALTY OWNER The Hoyt Foundation 2,100 Ac.07/19/2013 __ LEASE ACREAGE __ 99191-00 LEASE NO. _ DRILL DEEPER __ PROPOSED WORK: DRILL _ CONVERT_ _ REDRILL _ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW

OTHER PHYSICAL CHANGE IN WELL (SPECIFY) .

PLUG AND ABANDON_ . CLEAN OUT AND REPLUG_

TARGET FORMATION _ Gordon WELL OPERATOR HG Energy, LLC

5260 Dupont Road **ADDRESS**

Parkersburg, WV 26101

_ ESTIMATED DEPTH_ DESIGNATED AGENT Mike Kirsch
ADDRESS 5260 Dupont Road
Parkersburg, WV

26101

8,200'

LATITUDE 39° 371 30" AREA MAP **PLAT NOTES** 1"-8000" Jesse 76 The drawing shown hereon is from the original drilling permit plat dated 10/21/96. Shuman 100e This plat has been updated to show current surface ownership and as-drilled Latitude & Longitude. L.S. Hoyt 1002 1001 01711 37 Latitude & Longitude shown was measured by DGPS -Sub-Meter Mapping Grade (NAD 1927) 800 M5° 58'W ONGITUDE PROPERTY TIES For Well No.104 Rev 003 Hø lohn Rush 60 **\$**1 7.5' Topo ÷58 L S Hoyt **+**66 700 1708 105 69 679 Note: Well will be directionally drilled Mary Jane Clark 168a 56 29 21 32 **UTM Coordinates** NAD 1983 (m.) N - 4,383,701 m. /φ₆ E - 529,924 m.

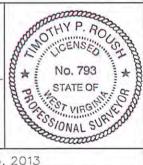
- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. MAP NO.__ 1" = 1000 SCALE -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 REGU-LATIONS ISSUED AND PRESCRIBED BY THE DEPART MENT 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



June 5, 2013 DATE_ L.S. Hoyt No. 104 FARM.

API WELL NO.

VELL TYPE: OIL GAS LIQUID INJECTION X WAS (IF "GAS") PRODUCTION STORAGE D LOCATION: ELEVATION 1,370' WATERSHED !	DEEP SHALLOW	
DISTRICT Grant		
QUADRANGLE Pine Grove 7.5' SURFACE OWNER Dallison Lumber, Inc. OIL & GAS ROYALTY OWNER The Hoyt Foundation	ACREAGE 2099.3 Ac.	2,100 Ac 07/19/2013
LEASE NO9919	91-00	
PROPOSED WORK: DRILL CONVERT DRILL DEEP STIMULATE_X_ PLUG OFF OLD FOR FORMATION OTHER PHYSICAL CO	RMATION PERFORATE NEW	

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG_ ESTIMATED DEPTH_

TARGET FORMATION Gordon

WELL OPERATOR HG Energy, LLC

5260 Dupont Road **ADDRESS** Parkersburg, WV 26101 DESIGNATED AGENT **ADDRESS**

Mike Kirsch 5260 Dupont Road Parkersburg, WV 26101

9-11