

### 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

August 08, 2013

#### WELL WORK PERMIT

#### Vertical Well

This permit, API Well Number: 47-3906361, issued to RESERVE OIL & GAS, INC., 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: PRESSURE PRODUCTS #1

Farm Name: PRESSURE PRODUCTS CO. INC.

API Well Number: 47-3906361
Permit Type: Vertical Well

Date Issued: 08/08/2013

# **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**

- 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 within 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.

WW - 2B (Rev. 8/10)

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

I) Well Operato					39	oa	901
) Well operati	or: Rese	rve Oil &	Gas, Inc.	310-324	Kanawha	Union	Pocatalico
				Operator ID	County	District	Quadrangl
.) Operator's V	Vell Numb	er: Press	sure Products #1		3) Elevation:	910	
) Well Type: (a	a) Oil	or Ga	as ×				
			iction ×/ Un	derground Sto	orage		
,			o/				
5) Proposed Ta 5) Proposed To 7) Approximate 3) Approximate	otal Depth fresh wa	: 4800 ter strata		Formation at	Proposed Tai Proposed Tot	rget Depth: <u>^</u> al Depth: <u>Bas</u>	4700 e of Lower Huron
) Approximate	coal sea	m depths	s: None				
(0) Approximat	te void de	nthe (co:	al, Karst, other):	None			
1) Does land	contain co	oal seam	s tributary to ac	tive mine? 1	10		
2) Describe pro	posed we	ll work ar	nd fracturing met	hods in detail (a	attach additiona	al sheets if ne	eded)
rill and complete	a new Deve	onian Sha	le well with a 2 sta	ge frac			11/
		TOTAL DA TERROR		90 11401		101	10
				go 1140.	,	And.	113
				go mus.		Ail.	1113
		<u>C</u> A	ASING AND TU	BING PROGR	The second second second second second	Ail	1113
	SPECIFIC	<u>C</u> A	ASING AND TU		RAM INTERVALS	S CEME	1113 NT
		<u>C</u> A	ASING AND TU	BING PROGR	The second second second second second	S CEME Fill -up (Cu	
	SPECIFIC	<u>CA</u> ATIONS	ASING AND TU	BING PROGE FOOTAGE	INTERVALS		. Ft.)
TYPE S	SPECIFIC Size	<u>CA</u> ATIONS	ASING AND TU	BING PROGE FOOTAGE For Drilling	INTERVALS	Fill -up (Cu	i. Ft.)
TYPE S	SPECIFIC Size 13 3/8	<u>CA</u> ATIONS	ASING AND TU	BING PROGE FOOTAGE For Drilling 20'	INTERVALS	Fill -up (Cu	i. Ft.)
TYPE S Conductor Fresh Water	SPECIFIC Size 13 3/8	<u>CA</u> ATIONS	ASING AND TU	BING PROGE FOOTAGE For Drilling 20'	INTERVALS	Fill -up (Cu	s excess
TYPE S Conductor Fresh Water Coal	Size 13 3/8 9 5/8	<u>CA</u> ATIONS	ASING AND TU	BING PROGE FOOTAGE For Drilling 20' 330'	INTERVALS	Fill -up (Cu CTS CTS X 40%	s excess
TYPE S  Conductor  Fresh Water  Coal  Intermediate	SPECIFIC Size 13 3/8 9 5/8	<u>CA</u> ATIONS	ASING AND TU	FOOTAGE For Drilling 20' 330'	Left in Well	Fill -up (Cu CTS CTS X 40% CTS x 30% exc 120 s	ess of hole
TYPE S  Conductor  Fresh Water  Coal  Intermediate  Production	SPECIFIC Size 13 3/8 9 5/8	<u>CA</u> ATIONS	ASING AND TU	FOOTAGE For Drilling 20' 330'	Left in Well	Fill -up (Cu CTS CTS X 40%	ess of hole
Conductor Fresh Water Coal Intermediate Production Tubing Liners	Size 13 3/8 9 5/8 7 4 1/2	<u>CA</u> ATIONS	ASING AND TU	FOOTAGE For Drilling 20' 330'	Left in Well	Fill -up (Cu CTS CTS X 40% CTS x 30% exc 120 s	ess of hole
TYPE S  Conductor  Fresh Water  Coal  Intermediate  Production  Tubing	SPECIFIC  Size  13 3/8  9 5/8  7  4 1/2	<u>CA</u> ATIONS	ASING AND TU	FOOTAGE For Drilling 20' 330'	Left in Well	CTS X 40%  CTS x 30% exc  120 s	ess of hole

WW-	2A
(Rev.	6-07)

1). Date:				
2.) Operator's Wel	l Number	Pressure	Produc	cts #1
	State	County		Permit
3 \ A DI Mall No .	47-	30	-	06361

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

	ner(s) to be served		5) (a) Coal Op	erator	
(a) Name	Pressure Products Compa	ny, Inc.	Name	None	
Address	4540 West Washington St.		Address		
	Charleston, WV 25313				
(b) Name				wner(s) with Declara	ation
Address			Name	None	
			Address	1	
(c) Name			Name	<b>W</b>	
Address	-		Address		
			_		52
6) Inspector	Terry Urban			essee with Declarati	on
Address	P.O. Box 1207		Name	None	
	Clendenin, WV 25045		Address		
Telephone	304-549-5915				
				AKE NOTICE THAT	
Included is t	he lease or leases or	other continuing	contract or contr	acts by which I hold th	e right to extract oil and gas
issued under this I certify this application to obtaining the info	Publication (No ead and understand C s application. under penalty of law form and all attachmentation, I believe that	tice of Publication Chapter 22-6 and that I have persents, and that batter the information	d 35 CSR 4, and sonally examined ased on my inqu n is true, accurate	I agree to the terms and am familiar with ry of those individuals and complete.	and conditions of any permit the information submitted on immediately responsible for ling the possibility of fine and
imprisonment.		750 - 7		10	
P. P. Carlotte		Well Operator	Reserve Oil & Gas, Ir	d. / M	
CTA	OFFICIAL SEAL TE OF WEST VIRGINIA	By:	J. Scott Freshwater	the way	>
STA A STA	NOTARY PUBLIC David N. Brannon	Its:	Vice President		
	HC 75 Box 410 Chloe, WV 25235	Address	929 Charleston Road	A.	
My Commi	ssion Expires December 10, 2017		Spencer, WV 25276		
2   1		Telephone	304-927-5228		2412
Subscribed and	sworn before me this	// day of	June	· _ c	2013
Haviel	N. Prians	ren		Notary Public	C
My Commission	Expires	emby 10	2017		Dogging
Oil and Gas Privacy	Notice				Received

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 <a href="mailto:depprivacyofficer@wv.gov">depprivacyofficer@wv.gov</a>

#### **WW-2A Surface Waiver**

#### **SURFACE OWNER WAIVER**

County	Kanawha	Operator	Reserve Oil & Gas, Inc.
		Operator well number	Pressure Products #1

#### **INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57<sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0450

<u>Time Limits and methods for filing comments.</u> The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a dequate delivery time or to a range special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

<u>Comments must be in writing.</u> Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies:
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

<u>List of Water Testing Laboratories.</u> The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

**VOLUNTARY STATEMENT OF NO OBJECTION** 

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through \_\_\_\_ including a work order on F orm WW2-B, a s urvey plat, and a s oil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature San	Date 6.28.13 Company Name	Pressure Produc	cts_Company
James Stover	Received	Tilly t	Date 6 /28/13
Print Name	5 5013	Signature	Date
	Office of Oil and Ges Protection Office of Oil and Ges	•	08/09/2013

## COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Kanawha Operator Reserve Oil & Gas, Inc.	Operator's	Well Number	Pressure Pro	ducts #1
INSTRUCTIONS TO	COAL OPERA	TOR, OWNER	, OR LESSEE	
To the coal operator, owner, or I any objection you wish to make or are rewith the Chief of the Office of Oil and G by the Office. Mail objections to:	equired to mak	e by WV Code	22-6-15, 16 or 17	, must be filed
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 <sup>th</sup> St. SE Charleston, WV 25304 (304) 926-0499 extension 1654				
	WAIVE	₹		
The undersigned coal operator _ location has examined this proposed we location, the well location has been add work proposed to be done at this location requirements of the West Virginia Code	ell location. If a ed to the mine on, provided, th	mine map exi map. The und e well operator	sts which covers the lersigned has no of has complied with	ne area of well bjection to the
FOR EXECUTION BY A NATURAL PERSON		FOR EXEC	UTION BY A CORPOR	RATION, ETC.
Date	e N	Company Name By		
		ds		Date
		Signa	ture	Date

No known operator, owner, or lessee of workable coalbed/seam on this tractReceived

JUL 1 2013

Operator's Well Number Pressure Products #1

# 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
Pressure Products Company, Inc.	Reserve Oil & Gas, Inc.	1/8	LB 260/936

### 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 he reby a cknowledges 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

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 ac quired from the appr opriate aut hority before the affected activity is initiated.

> Well Operator: By: Its:

Reserve Oil & Gas, Inc. J. Scott Freshwater

Vice President

Office of Oil and Gas

WW-2B1 (5-12)

Well No.	Pressure Products #1
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# West Virginia Department of Environmental Protection Office of Oil and Gas

#### NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Labor Sampling Cont		ALS Environmental Lab	
Well Operator	Reserve Oil & C	eas, Inc.	
Address	929 Charleston	Road	
	Spencer, WV 2	5276	
Telephone	304-927-5228		

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

Received

JUL | 2013

Office of Oil and Gas WV Dept. of Environmental Protection No known wells within 1,000

feet of location. Notices previously

provided for Buddets H 1 in arm - 08409720

WW-9 (5/13)

	Page	of	
API Number 47 -	-		
Operator's Wel	No. Pressure Pro	oducts #1	

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

### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_Reserve (	Dil & Gas, Inc.		OP Code	
Watershed (HUC 10) Lar	nders Creek of Tyler Creek	Quadrangle	Pocatalico	
Elevation 910	County_Kanawha		District_ Union	
Do you anticipate using m	ore than 5,000 bbls of water to compl	ete the proposed v	vell work? Yes	No_x
	cuttings? Yes x No No			
	ribe anticipated pit waste:			
	iner be used in the pit? Yes x		The second of th	
	al Method For Treated Pit Wastes:		so, what ml.? 30 mil	1.3
	Land Application		6.1	1.10
NE	Underground Injection (UIC Permit			
	Reuse (at API Number			)
_	Off Site Disposal (Supply form WW Other (Explain			
Will closed loop system b	e used? No			
Orilling medium anticipat	ed for this well? Air, freshwater, oil b	based, etc. Air, Gel,	Freshwater	
-If oil based, wha	at type? Synthetic, petroleum, etc			
	illing medium?			
	thod? Leave in pit, landfill, removed	103/07 /		
	plan to solidify what medium will be			
-Landfill or offsi	te name/permit number?			
on August 1, 2005, by the provisions of the permit a law or regulation can lead I certify under p application form and all obtaining the information	derstand and agree to the terms and c Office of Oil and Gas of the West Vin tre enforceable by law. Violations of to enforcement action. enalty of law that I have personally attachments thereto and that, based i, I believe that the information is tracked to the consideration of the constitution of the con	rginia Department any term or conc examined and ar on my inquiry rue, accurate, and	of Environmental Problems of the general permission of the general permission of those individuals in complete. I am away	tection. I understand that the ermit and/or other applicable formation submitted on this immediately responsible for
Company Official Signatu			Po	on hast
Company Official (Typed	Name) J. Scott Freshwater	)	ne	CEIVE
Company Official Title	/ice President		THE STATE OF THE S	
	I		JU	1 2013
Subscribed and sworn bef	Brannen	June	WV Dept, of E Notary Public	of Oil and Gas
My commission expires_	Alexandry 10,	2017		STATE OF WEST VIRGIN NOTARY PUBLIC David N. Brangon OB/O91250 My Commission Expires December

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L	E	Lσ	Ľ	IN	L

Red	Property Boundary	Diversion				
Existing Fence XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Road — — — — — —					
Planed Fence    Cross Drain Pipe with size in Inches   Cross Drain Pipe with size in Inches   Cross Drain	Existing Fence ———————————————————————————————————	14				
Open Ditch  Cross Drain  Artificial Filter Strip  Pit: cut walls  Pit: compacted filt walls  Pit: compacted filt walls  Pit: compacted filt walls  Pit: compacted filt walls  Proposed Revegetation Treatment: Acres Disturbed  1.5 Prevegetation pH 5.5  Lime 3 Tons/acre or to correct to pH 6.5  Fetilizer (10-20-20 or equivalent) 0.25   lbs/acre(500 lbs minimum)  Mulch HAY 2 Tons/acre  — Seed Mixtures—  Area I  Seed Type Ibs/acre  Orchard Grass 25 Ladino Claver 5  Red Top Clover 15 Ky 31 40  Attach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Title: Lagratula Cas  Date: 6-11/13	Planned Fence —/—/—/—					
Open Ditch  Croes Drain  Artificial Filter Strip  Morth  N  Bulldings  Water Well  Water Well  Proposed Revegetation Treatment: Acres Disturbed  Lime  3 Tons/acre or to correct to pH  Fetilizer (10-20-20 or equivalent)  Mulch  HAY  2 Tons/acre  — Seed Mixtures  Area I  Seed Type  Ibs/acre  Orchard Grass  25  Red Top Clover  15  Ky 31  Ato  Attach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Title:  Tit	Stream	Waterway C- C- C- C-				
North N Pit: cut walls Pit: compacted fill walls Water Well W Drill Site  Proposed Revegetation Treatment: Acres Disturbed Lime 3 Tons/acre or to correct to pH 6.5 Fetilizer (10-20-20 or equivalent) Mulch HAY 2 Tons/acre  — Seed Mixtures — Area I Seed Type Ibs/acre  Orchard Grass 25 Red Top Clover 15  Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  Title:  Title:  Title:  Title:  Taguthur Application Pit: cut walls Pit: compacted fill walls  Area (I) Application of Pit Waste  Seed Type 6.5 Prevegetation pH 6.5	Open Ditch					
Buildings   Pit: compacted fill walls   Woter Well   W   Area for Land Application of Pit Waste   Wolf   Work   Wo	Rock	Artificial Filter Strip XXXXXXXXXXXXX				
Water Well  W Area for Land Application of Pit Waste  Proposed Revegetation Treatment: Acres Disturbed  Lime  3 Tons/acre or to correct to pH 6.5  Fetilizer (10-20-20 or equivalent)  Mulch HAY  2 Tons/acre  — Seed Mixtures  Area I  Seed Type Ibs/acre  Seed Type Ibs/acre  Seed Type Ibs/acre  Ladino Clover  5  Red Top Clover  15  Ky 31  40  Attach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  Lamuatular Comments  Date: 4:11:13	North N	Pit: cut walls				
Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 5.5  Lime 3 Tons/acre or to correct to pH 6.5  Fetilizer (10-20-20 or equivalent) 0.25 Ibs/acre(500 lbs minimum)  Mulch HAY 2 Tons/acre  — Seed Mixtures—  Area I Seed Type Ibs/acre  Orchard Grass 25 Ladino Clover 5  Red Top Clover 15 Ky 31 40  Attach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Augustures  Date: 4:11/13	Buildings	Pit: compacted fill walls				
Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 5.5  Lime 3 Tons/acre or to correct to pH 6.5  Fetilizer (10-20-20 or equivalent) 0.25   Ibs/acre(500 lbs minimum)   Mulch HAY 2 Tons/acre  — Seed Mixtures—  Area I Seed Type   Ibs/acre   Seed Type   Ibs/acre    Orchard Grass 25   Ladino Clover 5    Red Top Clover 15   Ky 31 40    Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Augustures—  Title: Tagathur Cas  Date: 4:11.13	Water Well	Area for Land Application of Pit Waste				
Lime3	Drill Site					
Lime3						
Fetilizer (10-20-20 or equivalent) 0.25   Ibs/acre(500 lbs minimum)  Mulch HAY 2   Tons/acre	Proposed Revegetation Treatment: Acres Disturbed	1.5 Prevegetation pH5.5				
Mulch HAY 2 Tons/acre  ——Seed Mixtures—  Area I Seed Type Ibs/acre  Orchard Grass 25 Ladino Claver 5  Red Top Clover 15 Ky 31 40  Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Augustus May 11 May 12	Lime Tons/acre or to correct to pH					
Area I Seed Type   Ibs/acre   Seed Type   Ibs/acre   Orchard Grass   25   Ladino Clover   5   Red Top Clover   15   Ky 31   40    Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Aur and Market Comments:  Date: 4-11-13	Fetilizer (10-20-20 or equivalent) 0.25   Ibs/acre(500 lbs minimum)					
Area I Seed Type   Ibs/acre   Seed Type   Ibs/acre   Orchard Grass   25   Ladino Clover   5   Red Top Clover   15   Ky 31   40    Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Aur and Market Comments:  Date: 4-11-13	Mulch HAY 2 Tons/gc	re				
Area I  Seed Type   Ibs/acre   Seed Type   Ibs/acre    Orchard Grass   25   Ladino Clover   5    Red Top Clover   15   Ky 31   40    Attach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Au All  Title: Insput All Cas   Date: 6-11-13						
Seed Type   Ibs/acre   Seed Type   Ibs/acre	—— Seed Mixtures——					
Attach: Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  Title:  Title:  Date:  Ladino Clover 5  Ky 31 40  Date:  Dat	Area I	Area II				
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:  Date: 4-11-13	Seed Type lbs/acre	Seed Type lbs/acre				
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:  Date: 4-11-13	Orchard Grass 25	Ladino Clover 5				
Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Account to the comments and the comments are a section of involved 7.5' topographic sheet.  Title: InsputMarks Date: 4-11-13	Red Top Clover 15	Ky_3140				
Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Account to the comments and the comments are a section of involved 7.5' topographic sheet.  Title: InsputMarks Date: 4-11-13						
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Drawing(s) of road, location, pit and proposed area for land application.  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by: Account to the comments and the comments are a section of involved 7.5' topographic sheet.  Title: InsputMarks Date: 4-11-13	Attach:					
Plan Approved by: As a WW Comments:  Title: Insput Works  Date: 4-11-13		land application.				
Plan Approved by: As a WW Comments:  Title: Insput Works  Date: 4-11-13	Photocopied section of involved 7.5' topographic sheet.					
Title: Insputable Cas Date: 4-11-13	A copense section of inverses 7.5 topographic should					
Title: Insputable Cas Date: 4-11-13	Plan Approved by: Au a Mu					
Title: Insputable Cas Date: 6-11-13						
	Comments					
	Title: Insputille Les Date: 6-11-13					

NOTE;

Any Trees 6" or larger in Diameter will be cut and piled. Brush will be used as Sediment Barriers.

Tempory seed and mulch all slopes upon construction. Stone over all Culverts.

PRESSURE PRODUCTS #1





