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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, March 15, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

WEST VIRGINIA LAND RESOURCES, INC.  
46226 NATIONAL ROAD WEST  
ST. CLAIRSVILLE, OH 43950

Re: Permit approval for 6324  
47-103-01846-00-00

This well work permit 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 any additional specific 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of 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.

Per 35 CSR 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- 0450.

James A. Martin  
Chief

Operator's Well Number: 6324  
Farm Name: KOCHER, MARY  
U.S. WELL NUMBER: 47-103-01846-00-00  
Vertical Plugging  
Date Issued: 3/15/2021

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## 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.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.





## EXHIBIT NO.1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize the following method to plug all future wells.

SOLID PLUG METHOD

- ★ (a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- ★ (b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- (c) Circulate through tubing or drill steel an expanding Class A cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel an expanding Class A cement plug from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

★ NO RECORD OF THIS WELL BEING PLUGGED. ★ JNM  
 YOU WILL LIKELY NEED TO CLEAN OUT TO TD AS IF IT  
 IS AN ACTIVE WELL.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

876

WELL RECORD

Permit No. **396-A** → 1846

Oil or Gas Well

Company **South Penn Natural Gas Company**  
 Address **Union Trust Building, Parkersburg, W. Va.**  
 Farm **W. B. Starkey** Acres **102**  
 Location (waters) **Price Fork**  
 Well No. **7** Elev. **1270.25**  
 District **Grant** County **Netzel**  
 The surface of tract is owned in fee by **Mollie Y. Koshier**  
 Address **Smithfield, W. Va.**  
 Mineral rights are owned by **W. B. Starkey et al**  
**R. D. #2, Steubenville, Ohio.**  
 Drilling commenced **June 11, 1908**  
 Drilling completed **August 17, 1908**  
 Date shot **see below** Depth of shot **--**  
 Open Flow /10ths Water in **----** Inch  
 /10ths Merc. in **-----** Inch  
 Volume **-----** Cu. Ft.  
 Rock Pressure **-----** lbs. **-----** hrs.  
 Oil **80** bbls., 1st 24 hrs.  
 Fresh water **----** feet **-----** feet  
 Salt water **-----** feet **2520** feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.			Kind of Packer
13.			
10.	<b>285</b>	<b>Pulled</b>	Size of
8 1/4	<b>1650</b>		
6 3/4	<b>2520</b>		Depth set
5 8/16			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
Cond.	<b>10</b>		Perf. bottom

CASING CEMENTED **○** SIZE **○** No. Ft. **○** Date **○**  
 COAL WAS ENCOUNTERED AT **○** FEET **○** INCHES  
**○** FEET **○** INCHES **○** FEET **○** INCHES  
**○** FEET **○** INCHES **○** FEET **○** INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			1058	1064			
Dunkard Sand			1050	1080			
Gas Sand			1070	1900			
Salt Sand			1988	2130			
Little Line			2358	2370			
Pencil Cave			2370	2382			
Big Line			2382	2430			
Big Injun			2430	2520			
					Gas Water	2450 2520	
Fifty Foot Boulder			3050	3065			
Stray			3160	3250			
Gordon			3200	3290			
			3259	3290			
Total Depth				3294	Oil	3261	
Shot Record:		8/9/04	30 qts				
		6/11/09	90 qts				
		1/20/27	40 qts				

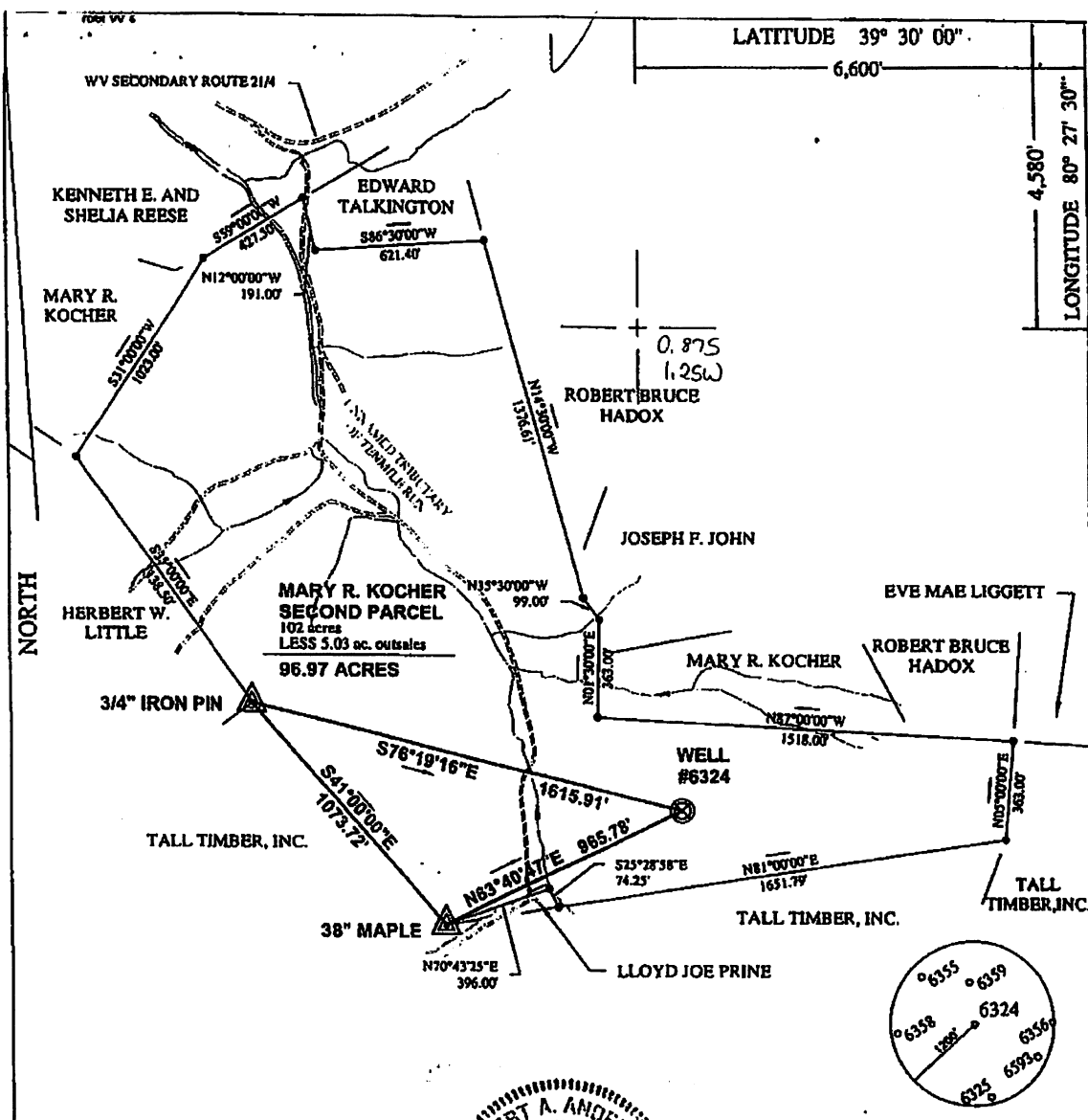


Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date October 10, 1941, 194

APPROVED SOUTHERN PENN NATURAL GAS COMPANY, Owner

By Eaton E. Young (Signature)  
AND AGENT. 03/19/2021



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 ENERGY.


P.S. 806 *Robert A. Andriotto*



(\*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MARCH 22, 20 01  
 OPERATORS WELL NO. 6324  
 API WELL NO. 47 - 103 - 01846-P  
 STATE WVA COUNTY WGA PERMIT 10330305

MINIMUM DEGREE OF ACCURACY: 1/2500 FILE NO.: WELL6324.DWG  
 SCALE: 1"=300'  
 PROVEN SOURCE OF ELEVATION: COMPANY NETWORK TIED INTO U.S.G.S.

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1276.55' WATERSHED: TENMILE RUN  
 DISTRICT: GRANT COUNTY: WETZEL QUADRANGLE: WALLACE, WV 7.5'  
 SURFACE OWNER: MARY R. KOCHER ACREAGE: 96.97 ±  
 ROYALTY OWNER: \_\_\_\_\_ LEASE ACREAGE: \_\_\_\_\_  
 PROPOSED WORK: \_\_\_\_\_ LEASE NO.: \_\_\_\_\_  
 DRILL: \_\_\_\_\_ CONVERT: \_\_\_\_\_ DRILL DEEPER: \_\_\_\_\_ REDRILL: \_\_\_\_\_ FRACTURE OR STIMULATE: \_\_\_\_\_ PLUG OFF OLD: \_\_\_\_\_  
 FORMATION: \_\_\_\_\_ PERFORATE NEW FORMATION: \_\_\_\_\_ PLUG AND ABANDON:  CLEAN OUT AND REPLUG: \_\_\_\_\_ OTHER: \_\_\_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY): \_\_\_\_\_ TARGET FORMATION: NONE  
 ESTIMATED DEPTH: \_\_\_\_\_

WELL OPERATOR: CONSOLIDATION COAL COMPANY DESIGNATED AGENT: ROGER E. DUCKWORTH  
 ADDRESS: P.O. BOX 100 OSAGE, WV 26543 ADDRESS: P.O. BOX 100 OSAGE, WV 26543



WW-4A  
Revised 6-07

1) Date: APRIL 8, 2020  
2) Operator's Well Number 6324

3) API Well No.: 47 - 103 - 01846

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be served:

(a) Name MARY R. KOCHER  
Address 185 McDOUGAL HOLLOW RD  
SMITHFIELD, WV 26437

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector DEREK HAUGHT  
Address P.O. BOX 85  
SMITHVILLE, WV 26178  
Telephone (304) 206-7613

5) (a) Coal Operator WV Land Resources, Inc  
Name WV Land Resources, Inc  
Address 1 BRIDGE STREET  
MONONGAH, WV 26554

(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:**

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. 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 permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat 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 mailing or delivery to the Chief



OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
RICHARD WALTON  
620 PROSPECT AVE  
FAIRMONT, WV 26554  
MY COMM. EXP. JUNE 20, 2022

Well Operator West Virginia Land Resources, Inc  
By: David Roddy  
Its: PROJECT ENGINEER  
Address 1 BRIDGE STREET  
MONONGAH, WV 26554  
Telephone (304) 534 4748

Subscribed and sworn before me this 2nd day of October 2020  
Richard Walton Notary Public  
My Commission Expires June 20, 2022

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



47-03-01846 P

U.S. Postal Service<sup>SM</sup>  
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Postage

Extra Services & Fees (check box and add fee as appropriate)

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ 0.00

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Total Postage and Fees \$ \_\_\_\_\_

Sent To Dave Kerkic

Street Address (not for ZIP+4)  
155 McDougal Hollow Road

City, State, ZIP+4<sup>®</sup> \_\_\_\_\_

7016 3560 0000 0877 7827

Dave Kerkic

03/19/2021

WW-9  
(5/16)

API Number 47 - 103 - 01846  
Operator's Well No. 0327

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name ~~Consolidation Coal Company~~ WV Land Resources OP Code ~~49350~~ 494525178  
Watershed (HUC 10) TEN MILE RUN Quadrangle WALLACE, WV 7.5

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No   
Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_  
Will a synthetic liner be used in the pit? Yes  No  If so, what ml? \_\_\_\_\_  
Proposed Disposal Method For Treated Pit Wastes: DMAH 12/3/20

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Tanks, see attached letter)

Will closed loop system be used? If so, describe: Yes. Gel circulated from tank thru well bore and returned to tank

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Gel or Cement  
-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Shaker cutting buried on site.  
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A  
-Landfill or offsite name/permit number? N/A

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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.

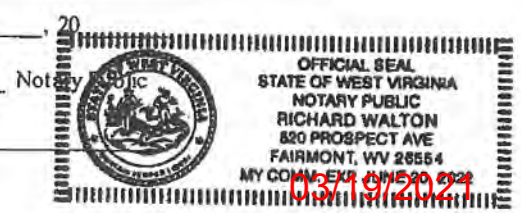
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 [Signature]  
Company Official (Typed Name) DAVID RODDY  
Company Official Title Project Engineer

Subscribed and sworn before me this 2nd day of October 2020

[Signature]

My commission expires Dec 20, 2022



Consolidation Coal Company  
Northern West Virginia Operations  
1 Bridge Street  
Monongah, WV 26554

phone: 304-534-4748  
fax: 304-534-4739  
e-mail: [ronnieharsh@consolenergy.com](mailto:ronnieharsh@consolenergy.com)  
web: [www.coalsource.com](http://www.coalsource.com)

\*Name: RONNIE HARSH  
\*title: Project Engineer

April. 7, 2014

Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345  
Phone: (304) 926-0499  
Fax: (304) 926-0452

**To Whom It May Concern:**

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-78-83, U-104-83, or U-1011-93.

Sincerely,



Ronnie Harsh  
Project Engineer



Form WW-9

Operator's Well No. 6324

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

See Attachment 100

See Attachment 100

**Attach:**

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Derek M. Haught

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Oil & Gas Inspector Date: 12/3/20

Field Reviewed? () Yes () No

**CAUDILL SEED** • 1064 E MAIN HWY 60 HOUSE #2 • MOREHEAD KY 40351 • PMS # 4923



**NOTICE TO CONSUMERS**

Notice: Arbitration/conciliation/mediation required by several states. Under the seed laws of several states, arbitration, mediation, or conciliation is required as a prerequisite to maintaining a legal action based upon the failure of seed, to which this notice is attached, to produce as represented. The customer shall file a complaint (form for AR, FL, IN, MS, SC, TX, WA; signed only CA, ID, ND, SD) along with the required filing fee (where applicable) with the Commissioner/Director/Secretary of Agriculture, Seed Commission or (PA), or Chief Agricultural Officer within such time as to permit inspection of the crops, plants, or trees by the designated agency and the seedman from whom the seed was purchased. A copy of the complaint shall be sent to the seller by certified or registered mail or in otherwise provided by state statute.

MIXTURE-COASTAL SEED 2015  
 LOT NO: 711888 NET WT 50  
 CROP: .58 INERT: 1.58 NEED SEED: .26

KIND	VARIETY
ANNUAL RYEGRASS	POTOMAC
ORCHARDGRASS	
COATING MATERIAL	
PERENNIAL RYEGRASS	LIAN
CLOVER	NOT STATED
COATING MATERIAL	
TIMOTHY	CLIMAX
BIRDSEED TREFOIL	NOT STATED
COATING MATERIAL	
LADINO CLOVER	SEMINOLE
COATING MATERIAL	

ORG	PURE	GERM	HARD	DORH	TEST
DR	29.40	85.00	.00	.00	10/16
DR	11.25	85.00	.00	.00	11/16
DR	8.00	85.00	.00	.00	11/16
DR	19.50	85.00	.00	.00	12/16
DR	6.40	85.00	.00	.00	12/16
DR	3.40	85.00	.00	.00	12/16
CAN	9.00	85.00	.00	.00	10/16
CAN	2.85	85.00	7.00	.00	11/16
DR	1.91	.00	.00	.00	11/16
DR	3.17	60.00	25.00	.00	8/16
	1.70	.00	.00	.00	8/16

NOTICE TO BUYER: WE WARRANT THAT SEEDS WE SELL WILL CONFORM TO THE LABEL DESCRIPTION REQUIRED UNDER STATE AND FEDERAL LAWS WITHIN RECOGNIZED TOLERANCES. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE WHICH WOULD EXTEND BEYOND SUCH DESCRIPTIONS, AND IN ANY EVENT OUR LIABILITY FOR BREACH OF ANY WARRANTY OR CONTRACT WITH RESPECT TO SUCH SEED IS LIMITED TO THE PURCHASE PRICE OF SUCH SEEDS.

Memo  
Treatments

NOXIOUS WEEDS PER LB

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-103-01846 WELL NO.: 6324

FARM NAME: MARY R. KOCHER

RESPONSIBLE PARTY NAME: WEST VIRGINIA LAND RESOURCES, INC

COUNTY: WETZEL DISTRICT: GRANT

QUADRANGLE: WALLACE, WV 7.5'

SURFACE OWNER: MARY R. KOCHER

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4,371,012.0 m

UTM GPS EASTING: 544,613.6 m GPS ELEVATION: 389.1 m (1276')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS  : Post Processed Differential \_\_\_\_\_  
Real-Time Differential

Mapping Grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
DEC 11 2020  
WV Department of  
Environmental Protection

- Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

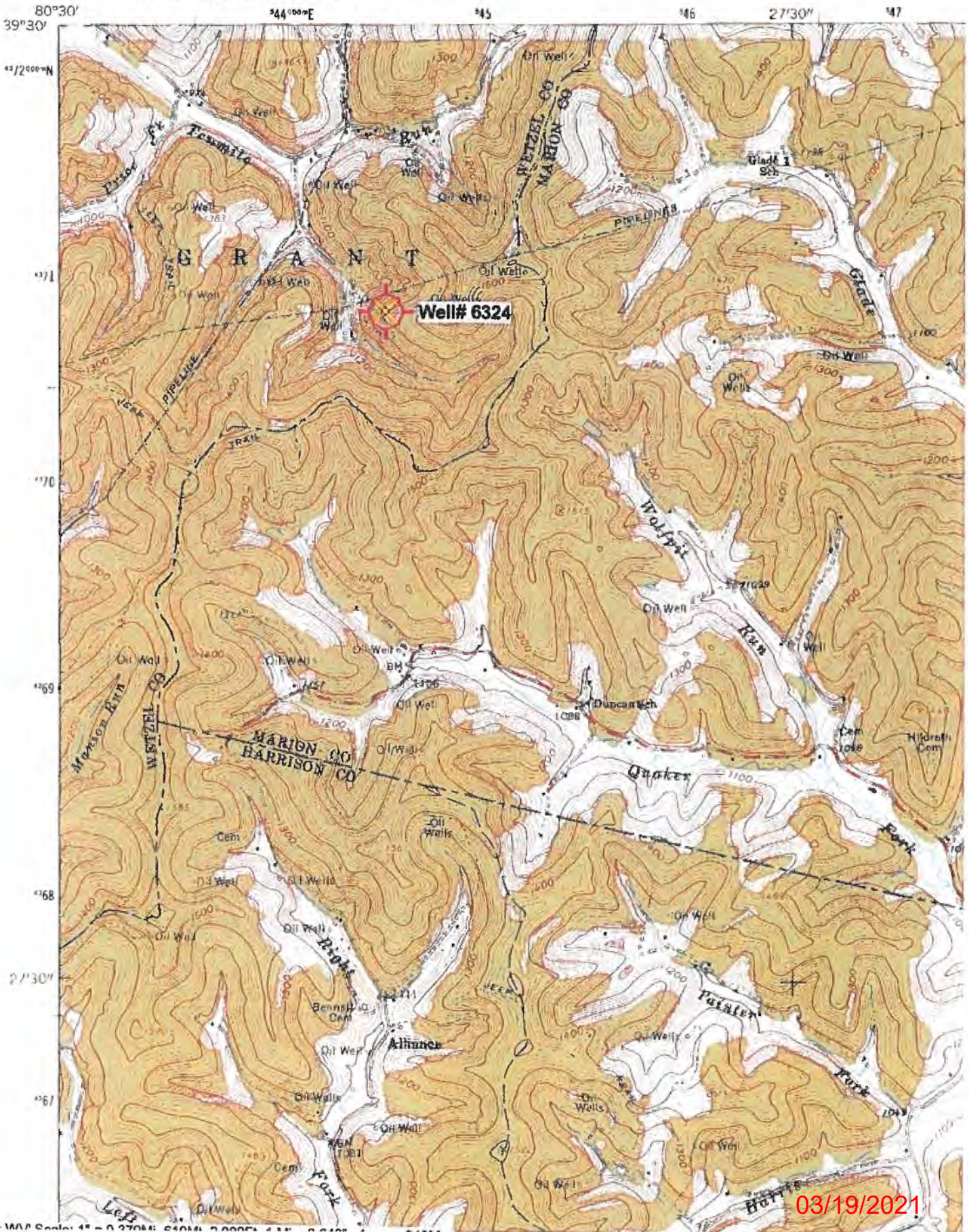
Professional Surveyor  
Title

APRIL 8, 2020  
Date



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

488 ft SE  
(180 ft N)



03/19/2021