



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday April 12, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

Re: Permit approval for M-1613
47-051-00584-00-00

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: M-1613
Farm Name: WOOD, HARRY B. & MATTIE
U.S. WELL NUMBER: 47-051-00584-00-00
Vertical Plugging
Date Issued: 4/12/2021

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. 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.

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EXHIBIT NO.1

West Virginia Department of
Environmental Protection

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".

Marshall County ID/C
Docket No. M-2016-016-C

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WV Department of
Environmental Protection101C MSHA Petition Summary
Marshall County Coal
Ohio County Coal**I. Definitions**

- A. Diligent Effort is defined as pulling 150% casing weight and making at least 3 attempts. Assume casing is 3,000' when length is unknown.

**II. Active Well**

- A. Check for Methane
- B. Notify MSHA we are plugging an active well
- C. Kill Well
- D. Pull Sucker Rods and tubing
- E. Make Diligent Effort to Pull Casing
- F. If casing cannot be pulled...
- i. Run Bond Log
 1. Discuss Action Plan with Mine Personal
 - ii. Notify MSHA that casing cannot be pulled
 - iii. Cut, rip, or perforate every 200'. First cut will be 200' above the end of casing up to 200' below Pittsburgh coal
 1. MSHA can waive 200' cuts if bond log shows adequate material behind casing.
 - iv. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).
 - v. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).
- G. Pump Class A Cement from TD to 200' below Pittsburgh
- H. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
- I. Pump Class A cement from 100' above Pittsburgh to surface.
- J. Install Well Marker

~~III. Abandoned Well~~

- A. Check for Methane
 - i. Notify MSHA if actively producing methane
- B. Kill Well
- C. If well is less than 4,000' deep, clean out well 220' below Pittsburgh (cleanout an extra 20' to allow for variance in coal elevation).
- D. If well has casing, make diligent effort to pull casing as defined above.
- E. If casing cannot be pulled...
- i. Run Bond Log
 - ii. Notify MSHA that casing cannot be pulled
 - iii. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).

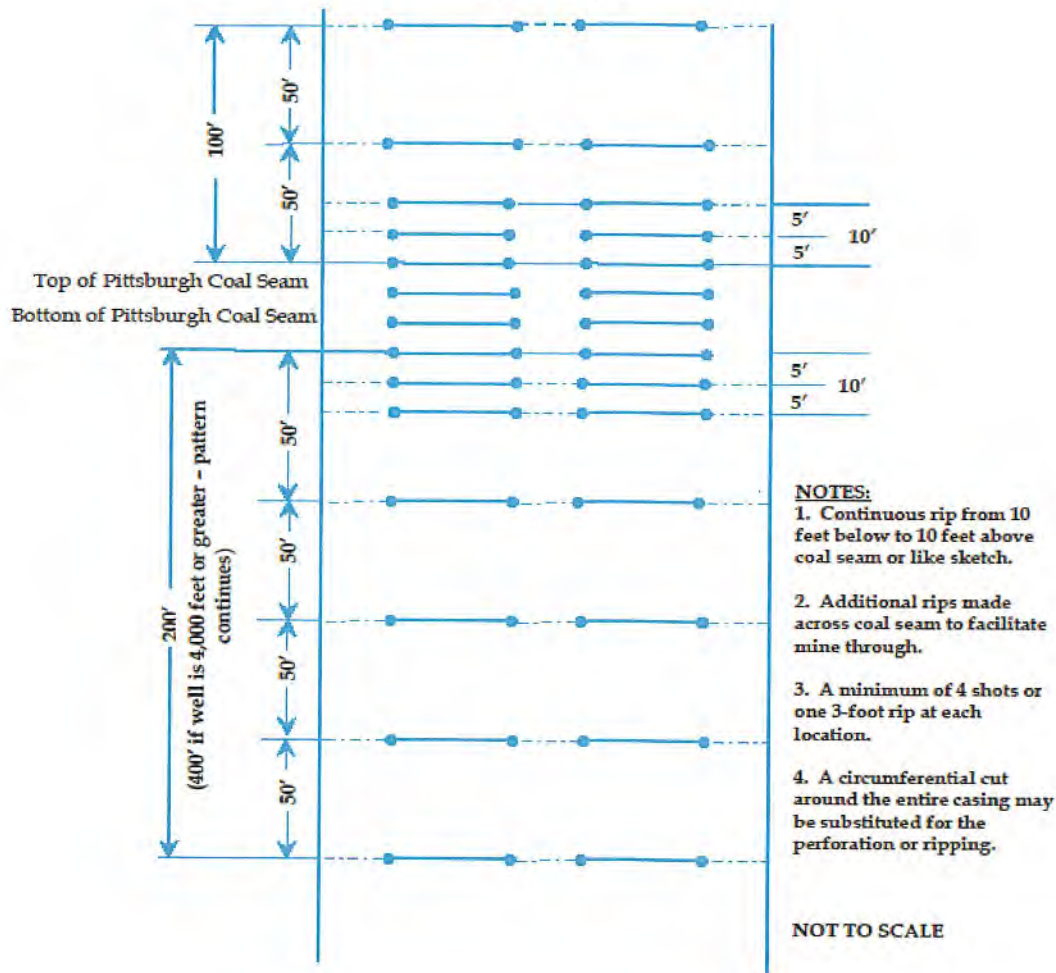
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WV Department of
Environmental Protection

iv. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).

- F. Pump expanding cement under 200 PSI to form a plug 200' below Pittsburgh
- G. Verify plug
- H. Pump Class A Cement from verified plug to 200' below Pittsburgh
- I. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
- J. Pump Class A cement from 100' above Pittsburgh to surface.
- K. Install well marker

Appendix A



***If the depth is greater than 4,000 feet, all 200' number change to 400' respectively



1) Date: May 19, 1992, 19__
2) Operator's Well No. 601786
3) API Well No. 47 - 051 - 0584-P
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF COMMERCE LABOR AND ENVIRONMENTAL RESOURCES
DIVISION OF ENERGY

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL.

4) WELL TYPE: A Oil _____ / Gas X / Liquid injection _____ / Waste disposal _____
B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X)
5) LOCATION: Elevation 1364 / Watershed Harts Run
District Liberty / County Marshall / Quadrangle Cameron 275
6) WELL OPERATOR Columbia Natural Resources / 7) DESIGNATED AGENT Joseph E. Campbell
Address P.O. Box 6070 / Address P.O. Box 6070
Charleston, WV 25362-0070 / Charleston, WV 25362-0070
8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) PLUGGING CONTRACTOR
Name Randle Mick / Name _____
Address Rt. 3, Box 248 / Address _____
Weston, WV 26452 /

10) WORK ORDER: The work order for the manner of plugging this well is as follows

1. Fill hole with gel.
2. Pull to free point and cut 4" csg.
3. Spot cement plug from T.D. to 3020'.
4. Spot cement 50' above and below seat and/or cut.
5. Pull to free point and cut 6-5/8" csg.
6. Spot cement 50' above and below seat and/or cut.
7. Pull to free point and cut 8-1/4" csg.
8. Spot cement 50' below seat to surface.
9. Erect monument as required by law.

*Fill all pipe possible or
cut & fill. Pull if possible set plug
at seat rack & pull if possible set plug
at seat. Hgt. - 3120' - 3175'
Cement 2430' to 2230'
Plug at casing cut plug at cut.
Plug at seat. Cut below coal
Cement 1045' - 830' - 740' coal.
Cement 400' - 500'
Cement 150' - 0'*

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-051-0584-P

June 22nd, 19 92
Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires 6-23-94 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond	Agent	Plan	CA/NG	WPCP	OTHER
<i>Smith</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		

[Signature]
Director, Division of Oil & Gas

NOTE: Keep one copy of this permit posted at the plugging location.

File

For the reverse side of the APPLICANT'S COPY for instructions to the well operator.

The M. L. & H. Company Company

Division _____

Record of Well No. 1786 on Sarah J. Courtwright Farm Acres
 Field Cameron Township Liberty County Marshall State
 Rig Commenced Aug. 21, 1914 19 Completed Aug. 27, 1914 19
 Drilling Commenced Sept. 24, 1914 19 Completed Nov. 11, 1914 19
 Cost per Foot \$1.15 Contractor Snyder Bros Address
 Drillers' Names S. T. Best and Ross Earnest

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	How	Old	Height	Name of Builder

CONDUCTOR AND CASING USED IN DRILLING

Conductor	12 inch	10 inch	8 1/2 inch	8 inch	6 1/2 inch	6 inch	5 1/2 inch	5 inch	4 inch	3 inch
16'		235'	1451' 04"	2180' 08"						

CONDUCTOR AND CASING LEFT IN WELL

Conductor	12 inch	10 inch	8 1/2 inch	8 inch	6 1/2 inch	6 inch	5 1/2 inch	5 inch	4 inch	3 inch
16'			1451' 04"	2180' 08"						

OIL WELL

GAS WELL

When Shot	Size of Torpedo	1st Day's Production	Tabling	Reds	Tanks	Size of Packer	Depth Set	Packed with	1st Minute Pressure	Rock Pressure

FORMATION	Top	Bottom	Thickness	REMARKS
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Mapletown Coal	906	910		
Pittsburgh Coal	1010	1018		
Murphy Sand	1214	1234		
Little Dunkard	1380	1390		
Big Dunkard	1425	1450		
First Salt Sand	1800	1840		
Second Salt Sand	1950	1990		
Little Lime	2105	2120		
Pencil Cave	2120	2125		
Big Lime	2125	2175		
Big Injun	2175	2430		
Thirty Foot Sand	2802	2820		
Fifty Foot Sand	2985	3010		
Gordon Sand	3045	3060		
Fourth Sand	3119	3125		
Total Depth		3222'		

Nov. 12, 1914 well shot with 30 quarts in the fourth sand top of shell 3120 bottom 3126'. Increased from 6/10 water to 8/10 water in 2" opening.

Nov. 14, 1914 well tubed with 102 joints of 10 thread 4" tubing 2195' 04". Packed in the Big Injun Sand with one 6 5/8" X 4" Supply Disc Wall Packer 10 thread.

Test 15-25-35-45-----4days/730

Jan. 13, 1915 well turned into line and utilized.

Columbia Nat. Rest.
Plumbing
 47-051-0594

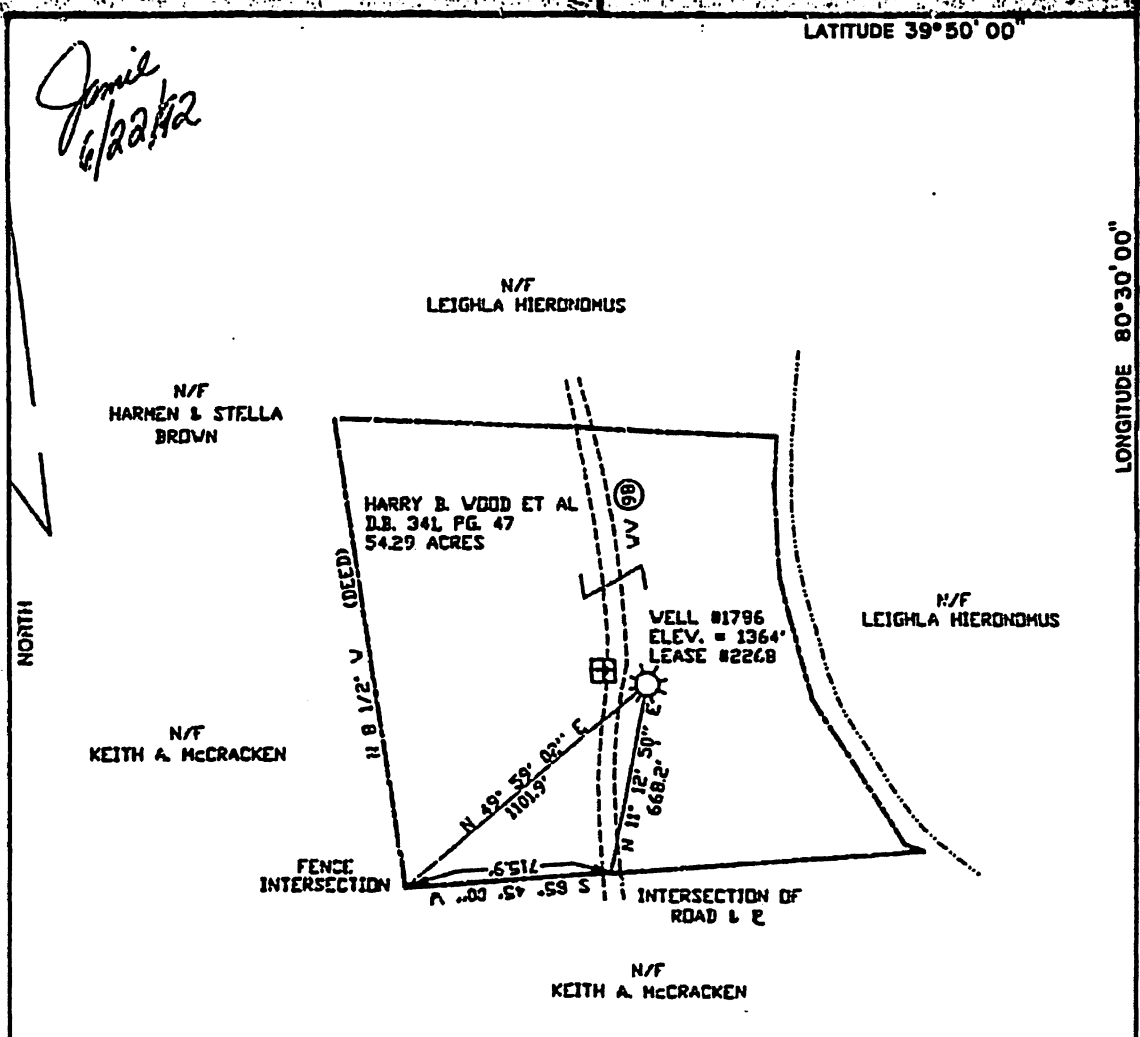
Examined above information and measurements and found to be correct by _____ Contractor _____ Superintendent of Co.

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the Well, and accompany, when presented for payment of the bill for drilling.

All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of bed.

Note no measurements of boiler and engine if owned by contractor.

Sarah J. Courtwright, Well #1786



INV. MAP 4440N, 540E
 F. B. 1749N, PG. 58
 LAT. 39° 48' 31"
 LONG. 80° 31' 35"

NOTE: THIS MAP IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 601786
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1"/2500'
 PROVEN SOURCE OF ELEVATION U.S.G.S
 TRIANGULATION POINT 1534'

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) James S. Brannon
 R.P.E. _____ I.L.S. 388



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE FEBRUARY 6 10 92
 OPERATOR'S WELL NO. 601786
 API WELL NO. 47-051-0584-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1364' WATERSHED HARTS RUN
 DISTRICT LIBERTY COUNTY MARSHALL
 QUADRANGLE CAMERON VV
 SURFACE OWNER HARRY B. WOOD ET AL ACREAGE 54.29
 OIL & GAS ROYALTY OWNER KERMIT COURTRIGHT LEASE ACREAGE 54.29
 LEASE NO. 2268

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 SIG. IN. MN ESTIMATED DEPTH 3222'
 WELL OPERATOR COLUMBIA NATURAL RESOURCES DESIGNATED AGENT Joseph E. Campbell
 ADDRESS PO BOX 10070 ADDRESS P.O. BOX 10070
CHARLESTON, WV. 25362-0070 CHARLESTON, WV. 25362-0070

FORM IV-S (8-78)
 M.T. WELL

COUNTY NAME
 MAR
 PERMIT
 0584-P



Select County: (051) Marshall (Check All)

Enter Permit #: 584

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/Show/Water Logs Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 051 Permit = 584

Report Time: Saturday, December 05, 2020 6:31:11 AM

Well Reassignment Information: Reassigned From

OLD_COUNTY	OLD_PERMIT	NEW_COUNTY	NEW_PERMIT
51	70033	51	584
51	70041	51	70033

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LONG_DD	UTME	UTMN
4705100584	Marshall	584	Liberty	Cameron	Cameron	39.808618	-80.526308	540547	4406623.3

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4705100584	11/11/1914	Original Loc	Stat Book	Sarah J Cartwright/Bruce Courtright		1785				Manufacturers Light & Heat Co.			
4705100584	---	Plugging	Cancelled	Harry B Wood et al.	601786		2268		Kermit Courtright	Columbia Natural Resources, Inc. (CNR)			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	TI_BEF	P_AFT	TI_AFT
4705100584	11/11/1914	9/24/1914	1364	Ground Level	Unnamed	Fourth		unclassified	unclassified	not available	unknown	unknown	3222		3222		0	0	0	0			0	0	0	0
4705100584	---	---	1364	Ground Level				unclassified	unclassified	not available	unknown	unknown											0	0	0	0

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM	
4705100584	Columbia Gas Transmission Corp.	1980	187	0	31	29	0	7	72	0	0	15	33	0	0	
4705100584	Columbia Gas Transmission Corp.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1983	307	143	164	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1986	177	0	0	0	15	62	15	31	16	0	31	7	0	
4705100584	Columbia Gas Transmission Corp.	1987	69	31	0	0	8	7	8	7	8	0	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1988	679	0	8	7	16	15	8	150	8	0	7	310	150	
4705100584	Columbia Gas Transmission Corp.	1989	252	8	13	22	6	6	25	21	13	33	46	36	23	
4705100584	Columbia Gas Transmission Corp.	1990	202	0	0	15	0	28	0	116	15	28	0	0	0	
4705100584	Columbia Gas Transmission Corp.	1991	202	0	0	15	0	28	0	116	15	28	0	0	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1992	2	2	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1995	91	0	0	0	0	0	0	26	25	12	25	3	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1996	282	5	7	12	79	0	18	26	10	17	92	9	7	
4705100584	Columbia Natural Resources, Inc. (CNR)	1997	354	80	64	0	0	10	10	10	10	12	78	80	0	
4705100584	Columbia Natural Resources, Inc. (CNR)	1998	265	30	23	26	19	10	12	27	21	24	22	24	27	
4705100584	Columbia Natural Resources, Inc. (CNR)	1999	931	73	60	75	71	96	65	82	16	96	136	81	80	
4705100584	Columbia Natural Resources, Inc. (CNR)	2000	123	85	18	20	0	0	0	0	0	0	0	0	0	
4705100584	Tri-County Oil & Gas, Inc.	2001	2,719	0	0	0	168	166	197	248	433	362	351	311	483	
4705100584	Tri-County Oil & Gas, Inc.	2002	3,762	324	345	281	297	271	263	242	246	375	343	292	483	
4705100584	Tri-County Oil & Gas, Inc.	2003	2,097	167	210	119	200	177	176	177	199	221	178	117	156	
4705100584	Tri-County Oil & Gas, Inc.	2005	950	211	88	87	62	22	49	45	42	46	52	147	99	
4705100584	Tri-County Oil & Gas, Inc.	2006	1,646	6	7	151	156	164	156	168	157	168	181	170	162	
4705100584	Leatherwood, Inc.	2007	188	0	0	0	0	0	0	0	0	0	0	70	65	53
4705100584	Leatherwood, Inc.	2008	1,156	96	96	96	96	96	96	96	96	96	96	96	100	
4705100584	Leatherwood, Inc.	2009	1,488	124	124	124	124	124	124	124	124	124	124	124	124	
4705100584	Leatherwood, Inc.	2010	2,473	206	206	206	206	206	206	206	206	206	206	206	207	
4705100584	Leatherwood, Inc.	2011	2,507	208	208	208	208	208	208	208	208	208	208	208	219	
4705100584	Leatherwood, Inc.	2012	2,460	205	205	205	205	205	205	205	205	205	205	205	205	
4705100584	Leatherwood, Inc.	2013	2,220	185	185	185	185	185	185	185	185	185	185	185	185	
4705100584	Leatherwood, Inc.	2014	1,164	97	97	97	97	97	97	97	97	97	97	97	97	
4705100584	Leatherwood, Inc.	2015	396	33	33	33	33	33	33	33	33	33	33	33	33	
4705100584	Leatherwood, Inc.	2016	840	70	70	70	70	70	70	70	70	70	70	70	70	
4705100584	Leatherwood, Inc.	2017	588	49	49	49	49	49	49	49	49	49	49	49	49	
4705100584	Leatherwood, Inc.	2018	1,188	99	99	99	99	99	99	99	99	99	99	99	99	
4705100584	Leatherwood, Inc.	2019	984	82	82	82	82	82	82	82	82	82	82	82	82	

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4705100584	Columbia Gas Transmission Corp.	1980	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4705100584	Columbia Gas Transmission Corp.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0

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West Virginia Geological & Economic Survey

Pipeline-Plus About Interactive Mapping Oil&Gas Well Header Data Search "Pipeline" File Repositories Scanned Records Search Slabbed Core Photos

Oil & Gas Well Header Data Search

API #: 4705100584

County: Total Vertical Depth TVD(ft) >=

7.5 Minute Quad: Completion Year =

Type of Log: Operator at Completion (contains): minimum 3 characters if searching

Log Bottom (ft) >= Last Producing Operator (contains): minimum 3 characters if searching

has Scanned Log(s): Surface Owner (contains): minimum 3 characters if searching

has Digitized Log(s): Field Name (contains): minimum 3 characters if searching

has Sample Desc Scan: Company Number (contains): minimum 3 characters if searching

has Slabbed Core Photo(s): Mineral Owner (contains):

Horizontal/Deviated Well:

Results/Page: 100

Order By: API

Please enter or select criteria to perform database search. The application uses an "and" operator between search fields. Searches will not be performed if the required field criteria is not met. Error messages are indicated in RED.

2 Records Found, showing page 1 of 1 at 100 records per page

API #	Pipeline	Map	ELog	DLog	Scans	County	DD Long	DD Lat	UTME	UTMN	7.5 Quad	Tax District	Logs	Log Btm	Suffix	Status	Comp Year	Well Type	Operator at Completion	Last Producing Operator	Surface Owner	Well #	C #
4705100584	All Data	View			Scans	Marshall	-80.526308	39.808618	540547	4406623.3	Cameron	Liberty			Plugging	Cancelled		not available	Columbia Natural Resources, Inc. (CNR)	Leatherwood, Inc.	Harry B Wood et al		60
4705100584	All Data	View			Scans	Marshall	-80.526308	39.808618	540547	4406623.3	Cameron	Liberty			Original Location	Stat Book	1914	not available	Manufacturers Light & Heat Co.	Leatherwood, Inc.	Sarah J Cartwright/Bruce Courtright		

47-051-00584P

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Office of Oil and Gas
FEB 15 2021
WV Department of
Environmental Protection

WW-4A
Revised 6-07

RECEIVED
Office of Oil and Gas

FEB 15 2021

1) Date: DECEMBER 5, 2020
2) Operator's Well Number M-1613
3) API Well No.: 47 - 051 - 00584

WV Department of Environmental Protection
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:	5) (a) Coal Operator
(a) Name <u>HARRY B. WOOD ET AL (C/O NICHOLAS C. WOOD)</u>	Name <u>WEST VIRGINIA LAND RESOURCES INC.</u>
Address <u>418 OTTER CREEK DRIVE</u>	Address <u>1 BRIDGE STREET</u>
<u>VENICE, FL 34292</u>	<u>MONONGAH, WV 26554</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>JAMES NICHOLSON Barry Stollings</u>	(c) Coal Lessee with Declaration
Address <u>P.O. BOX 44</u>	Name _____
<u>MOUNDSVILLE, WV 26041</u>	Address _____
Telephone <u>(304) 552-3874 304-552-4194</u>	

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.

Well Operator WEST VIRGINIA LAND RESOURCES INC.
 By: JAY HORES
 Its: PROJECT ENGINEER
 Address 6126 ENERGY ROAD
MOUNDSVILLE, WV 26041
 Telephone (304) 843-3565



Subscribed and sworn before me this 10th day of February 2021
Christian K Warfield Notary Public
 My Commission Expires June 10, 2024

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 depprivacyoffier@wv.gov.

47-051-00584 P

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Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

WV DEP OFFICE OF OIL & GAS
601 57TH Street
Charleston, WV 25304
ATTN: Justin Nottingham

26033

CAMERON WV
FEB 11 2021
Postmark Here

M-1613

See Reverse for Instructions

7019 1120 0000 9580 4511

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Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Sent To Harry Wood
Street and Apt. No. or PO Box No. 418 Otter Creek Dr
City, State, ZIP+4® Venice, FL 34292

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

CAMERON WV
FEB 11 2021
Postmark Here

M-1613

04/16/2021

WW-9 (5/16)

RECEIVED Office of Oil and Gas FEB 15 2021

API Number 47 - 051 - 00584 Operator's Well No. M-1413

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

Operator Name WEST VIRGINIA LAND RESOURCES INC. OP Code

Watershed (HUC 10) HARTS RUN OF PENNSYLVANIA FORK OF FISH CREEK Quadrangle CAMERON WV,PA

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

Will a pit be used? Yes No [checked]

If so, please describe anticipated pit waste:

Will a synthetic liner be used in the pit? Yes No [checked] If so, what ml.?

Proposed Disposal Method For Treated Pit Wastes:

- 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 Jay Hores

Company Official (Typed Name) Jay Hores

Company Official Title Project Engineer

Subscribed and sworn before me this 8 day of February, 20 21

Signature of Notary Public

Notary Public

My commission expires June 10, 2024



4705100584P

**AMERICAN CONSOLIDATED NATURAL
RESOURCES & WEST VIRGINIA LAND
RESOURCES**

**AMERICAN CONSOLIDATED
NATURAL RESOURCES & WEST
VIRGINIA LAND RESOURCES**

46226 National Road
St. Clairsville, OH 43950

phone: 304.843.3565

fax: 304.843.3546

e-mail: JayHores@acnrinc.com

JAY HORES

Project Engineer

February 8, 2021

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25320

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WV Department of
Environmental Protection

To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consolidation Coal Company 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 facilities number U-0033-83, O-1001-00, U-1035-91U-46-84, U-78-83, O-1044-9, or U-100-83.

Sincerely,



Jay Hores
Project Engineer

04/16/2021

Form WW-9

Operator's Well No. M-1413

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

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Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Seed Mix in accordance with WVDEP Oil
and Gas, Erosion and Sediment Control
Field Manual

Seed Mix in accordance with WVDEP Oil
and Gas, Erosion and Sediment Control
Field Manual

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: Bang Stepp

Comments: _____

Title: inspector

Date: 2-11-21

Field Reviewed? Yes

No

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
GROUNDWATER PROTECTION PLAN

Operator Name: WEST VIRGINIA LAND RESOURCES INC.

Watershed (HUC 10): HARTS RUN OF PENNSYLVANIA FORK OF FISH CREEK Quad: CAMERON WV,PA

Farm Name: _____

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

[Empty response box for question 1]

- 2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

[Empty response box for question 2]

- 3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

[Empty response box for question 3]

- 4. Summarize all activities at your facility that are already regulated for groundwater protection.

[Empty response box for question 4]

- 5. Discuss any existing groundwater quality data for your facility or an adjacent property.

WW-9- GPP
Rev. 5/16

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N/A

Page 2 of 2

API Number 47 - 051 - 00584
Operator's Well No. _____

WV Department of
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6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

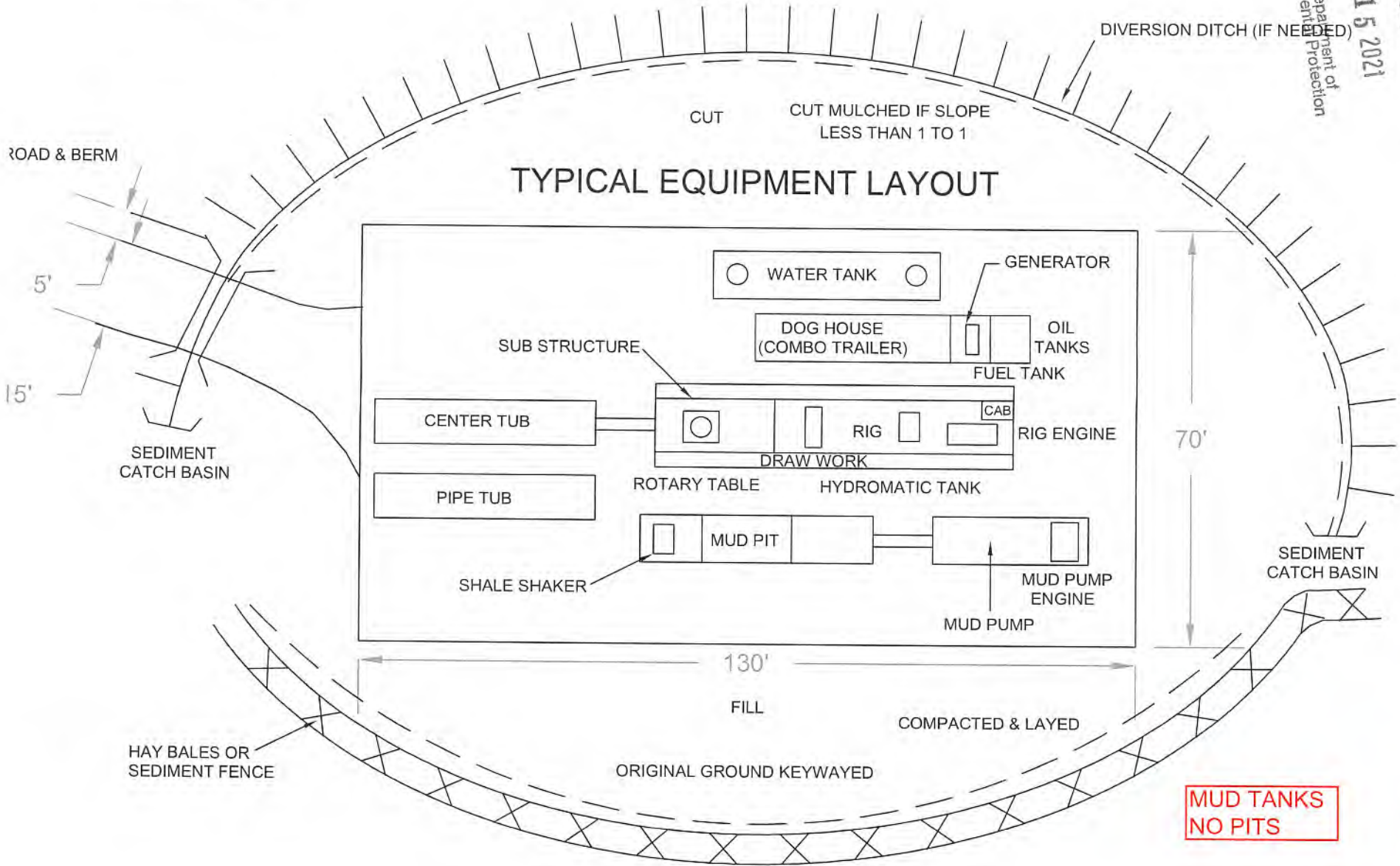
Signature: _____

Date: _____

CONSOLIDATION COAL COMPANY
NORTHERN WEST VIRGINIA
OPERATIONS

TYPICAL DRAWING OF WELL PLUGGING SITE PLAN

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West Virginia Department of
Environmental Protection



MUD TANKS
NO PITS

47-051-00584P

Chambers Run
47-051-00584P



WELL #M-1613

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04/16/2021



Sheriff of Marshall County • P.O. Box 695 • Moundsville, WV 26041
 (304) 843-1400

[Pay your taxes online](#)

Marshall County Real Property - Tax Year: 2020

Ticket Number: 0000027392

Account Number: 00017491

District: 07 - LIBERTY

More Info: [Details](#)

Owner Name: WOOD HARRY B ET AL In Care of: WOOD NICHOLAS C Address: 418 OTTER CREEK DR VENICE FL 34292 Lending Inst:		Property: 54 A 47 P ASHLICK Map: 4 Parcel: 0040 0000 0700 Lot Size: Acreage: Book: 0341 Page: 0047			
Tax Class: 2	Homestead Exemption:	Back Tax:	Exoneration:	Prior Delinquents:	Special Disposition:

DUE: First Half: none due Second Half: none due Total Due: none due

ASSESSMENT:

Assessment	GROSS	NET	TAX (1/2 Year)
Land	14040	14040	
Building	0	0	
Total	14040	14040	70.74

PAYMENTS RECEIVED:

	First Half	Second Half
Net	70.74	70.74
Discount	1.77	1.77
Interest	.00	.00
Total	68.97	68.97
Date	08/18/2020	08/18/2020

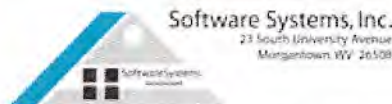
[Format for Printer](#)

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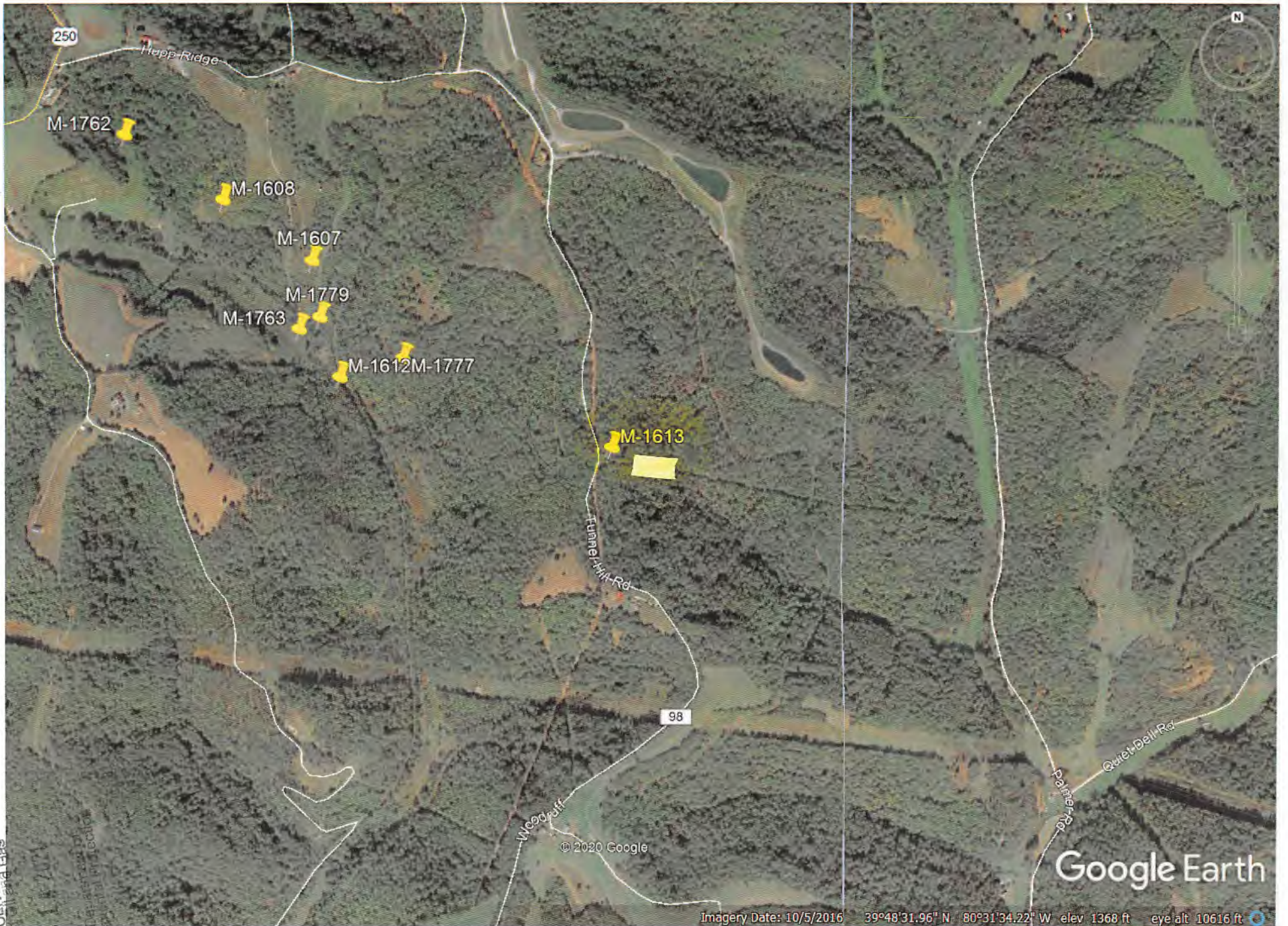
WV Department of Environmental Protection

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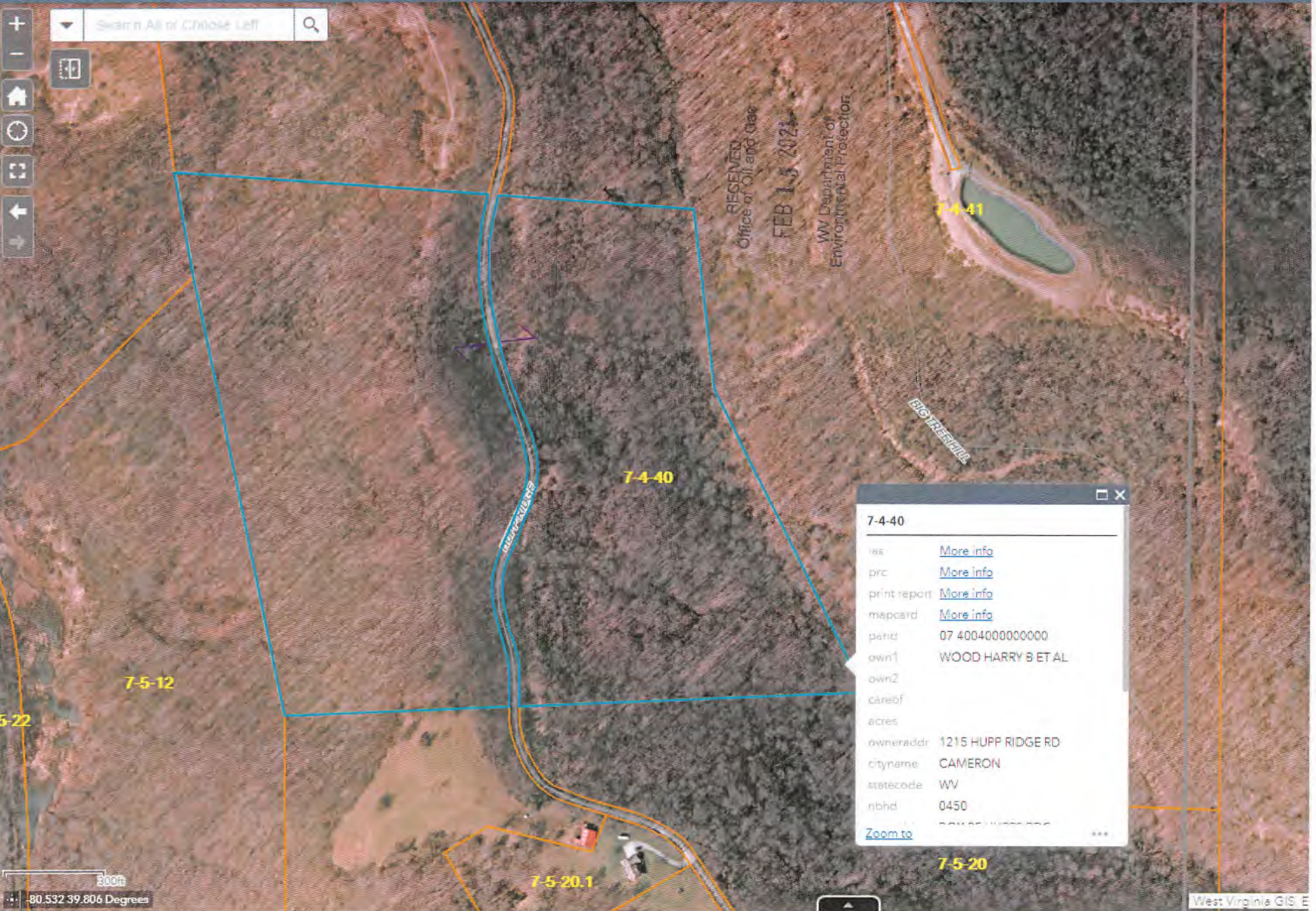
© 2020 Google

Imagery Date: 10/5/2016 39°48'31.96" N 80°31'34.22" W elev 1368 ft eye alt 10616 ft

Google Earth

47-051-0054A

Search All or Choose Left



7-4-40

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 owneraddr 1215 HUPP RIDGE RD
 cityname CAMERON
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47-051-00584 P



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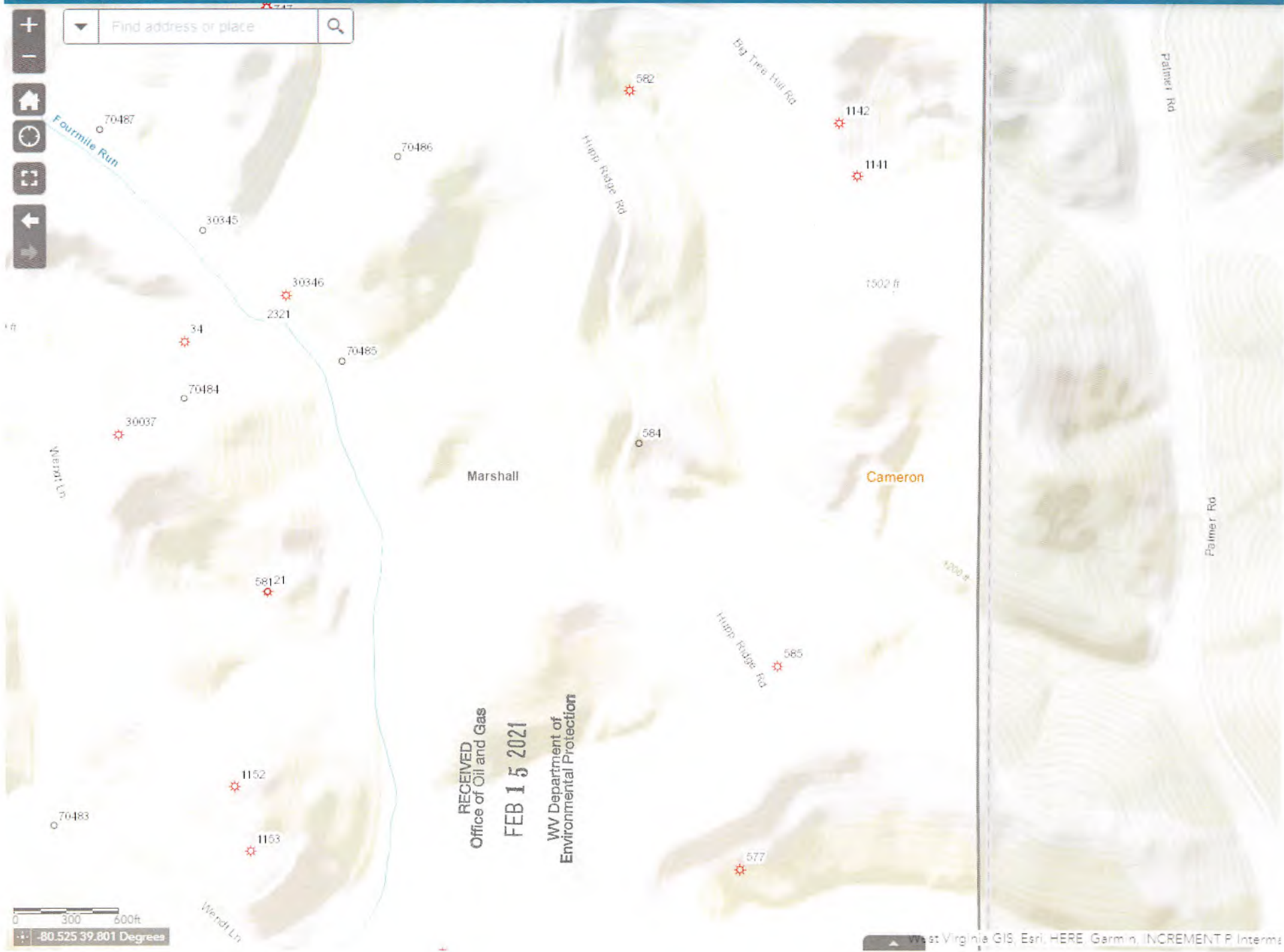


West Virginia Oil and Gas Wells (WVOG)

Take Survey "Pipeline" "Pipeline-Plus"

Find address or place

Map navigation controls: Home, Refresh, Full Screen, Previous View, Next View, Back, Forward



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0 300 600ft
-80.525 39.801 Degrees

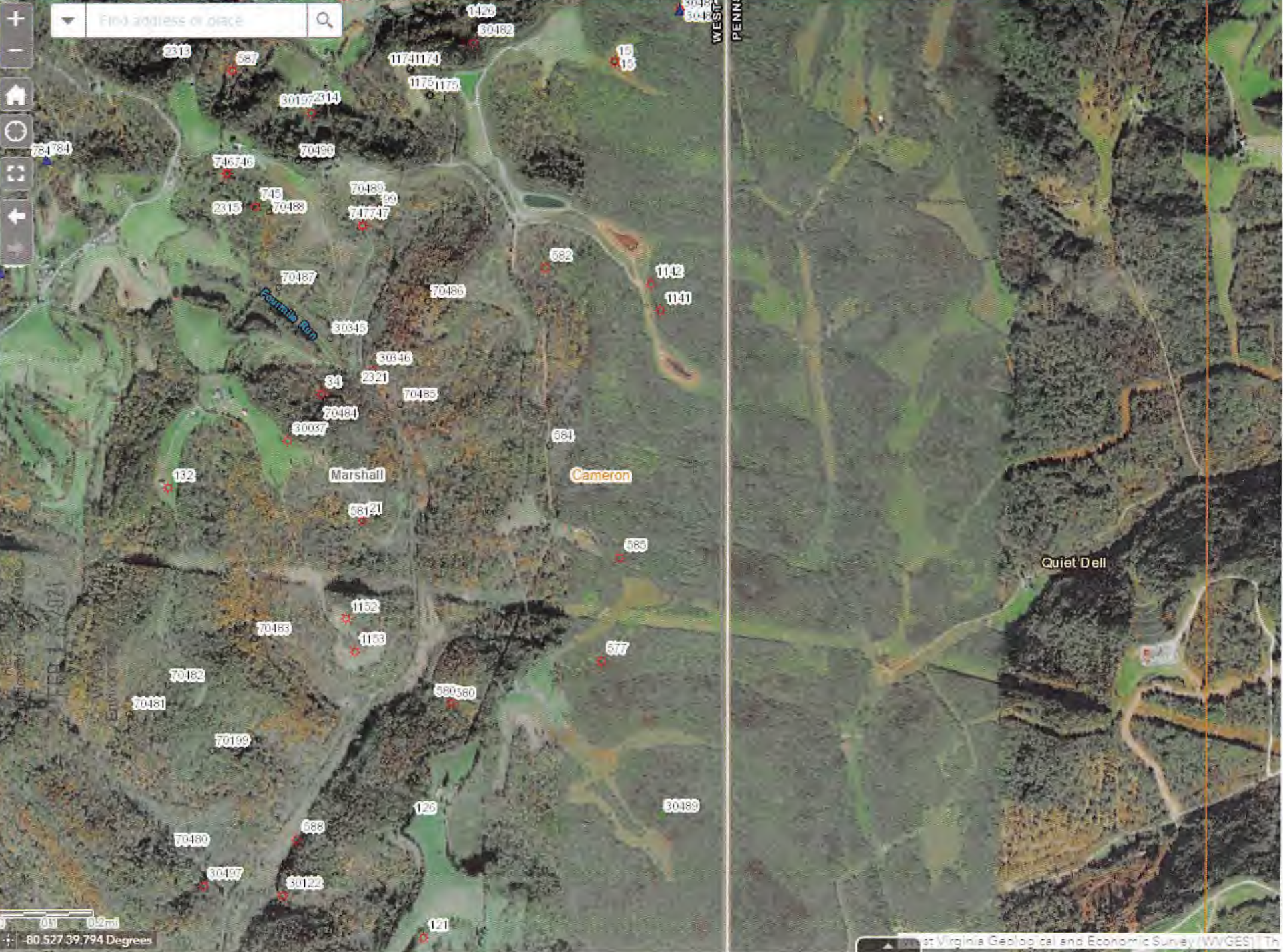
47-051-005847



West Virginia Oil and Gas Wells (WVOG)

Take Survey "Pipeline" "Pipeline-Plus"

Find address or place



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-80.527 39.794 Degrees

West Virginia Geological and Economic Survey (WVGES) Th

47-051-00584P

WW-7
8-30-06

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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-051-00584 WELL NO.: M-1613

FARM NAME: MRS. BENSON COURTWRIGHT

RESPONSIBLE PARTY NAME: WEST VIRGINIA LAND RESOURCES INC.

COUNTY: MARSHALL DISTRICT: LIBERTY

QUADRANGLE: CAMERON WV, PA

SURFACE OWNER: HARRY B. WOOD ET AL (C/O NICHOLAS C. WOOD)

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,406,665 m (1344.5')

UTM GPS EASTING: 540,566 m GPS ELEVATION: 416 m

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:

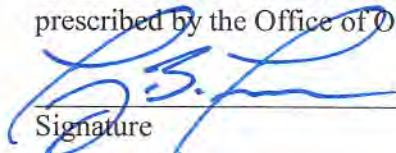
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

4. 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.


Signature

Professional Surveyor
Title

DECEMBER 5, 2020
Date

04/16/2021

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Environmental Protection



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Tuesday, December 15, 2020
NOTICE OF FINAL ACTION TO TRANSFEREE

WEST VIRGINIA LAND RESOURCES, INC.
46226 NATIONAL ROAD WEST

ST. CLAIRSVILLE, OH 43950

This is to inform you that wells on the enclosed document met the transfer criteria and were transferred to your bond. Wells that did not meet transfer criteria were not transferred.

You are by this letter being informed that you have accepted all responsibility for compliance with the provisions of Chapter 22 et seq. of the West Virginia Code of 1931, as amended, and all the rules and regulations promulgated thereunder, for the wells transferred to your bond.

If you have any questions concerning this notice, contact this office at the above address. Please include the transfer number, effective date, and the API number(s) of the well(s) in question in your correspondence.

Thank you in advance for your cooperation.

A blue ink signature of James A. Martin, Chief.

James A. Martin
Chief

Promoting a healthy environment.

04/16/2021

Transfer #	Transfer Status	API	WellType	WellStatus	WellName	Operator	County
149933	Approved	47-051-00584	VERT	AC	1786	WEST VIRGINIA LAND RESOURCES, INC.	Marshall
149933	Approved	47-051-00689	VERT	AC	1	WEST VIRGINIA LAND RESOURCES, INC.	Marshall

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FEB 15 2021

WV Department of
Environmental Protection

OP-77 (04/19)

Record No _____

State of West Virginia
Department of Environmental Protection
Charleston, WV 25301

This is to acknowledge that the well: API no. 47-051-00584
District Liberty
Well No M-1613 Farm name 1016 / Sarah Courtwright

Is hereby transferred from:

The transferor Company: Leatherwood, LLC
Code #494523160 Address 1000 Consol Energy Drive, Suite 100, Canonsburg, PA 15317

To:

The transferee Company: West Virginia Land Resources, Inc.
Code #494525178 Address 1 Bridge Street, Monongah, WV 26554

Pursuant to the requirement in 35 CSR 4 - 10.3.a.2., execution of this OP-77 form by the transferor and transferee below, shall serve as certification of the assignment or the transfer identified in 35 CSR 4 - 10.3.a.1.

Transfer approval shall be subject to the provisions in W. Va. Code §§ 22-6-26, 22-10-7 and 35 CSR 4 - 10.5, or as otherwise set forth by agreement with the Chief.

The transferee has registered and designated an agent on form OP-1, which is on file with the Office of Oil and Gas. The agent is:

Designated agent (name) David Roddy
Address 1 Bridge Street, Monongah, WV 26554

The transferee has bonded the said well by (check one)

Securities Cash Surety bond Letter of credit

Identified by:

Amount	<u>\$50,000</u>	Effective date	<u>10/5/2020</u>
Issuing authority	<u>Indemnity National Insurance Company</u>	Id No	<u>N-6000917</u>

Transferor: LEATHERWOOD, LLC
By: Anthony M. Newmyer
Its: VICE PRESIDENT

Taken, subscribed and sworn before me this 20 day of November 2020

Notary Public Christopher A. Rabbit

My Commission Expires 11/8/2024

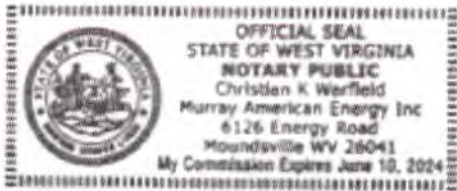
Commonwealth of Pennsylvania - Notary Seal
Christopher A. Rabbit, Notary Public
Washington County
My commission expires January 18, 2024
Commission number 1266666

Transferee: West Virginia Land Resources, Inc
By: David Roddy
Its: Operator Agent

Taken, subscribed and sworn before me this 23 day of November 2020

Notary Public Christen K. Werfield

My Commission Expires June 10, 2024



4705100584

Transfer #	Transfer Status	API	WellType	WellStatus	WellName	Operator	County
149933	Approved	47-051-00584	VERT	AC	1786	WEST VIRGINIA LAND RESOURCES, INC.	Marshall
149933	Approved	47-051-00689	VERT	AC	1	WEST VIRGINIA LAND RESOURCES, INC.	Marshall

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Office of Oil and Gas
FEB 15 2021
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