



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

Wednesday, September 18, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

LEATHERWOOD, LLC
1000 CONSOL ENERGY DRIVE

CANONSBURG, PA 15317

Re: Permit approval for CARNEY 5137
47-103-00856-00-00

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: CARNEY 5137
Farm Name: KERNS, C.L. & OPAL
U.S. WELL NUMBER: 47-103-00856-00-00
Vertical Plugging
Date Issued: 9/18/2019

PERMIT CONDITIONS

I
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.

1) Date _____, 20 19
2) Operator's
Well No. 5137
3) API Well No. 47-103 - 00856

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas X/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production X or Underground storage ____) Deep ____/ Shallow ____

5) Location: Elevation 1032 Watershed Long Drain
District Church County Wetzel Quadrangle Hundred

6) Well Operator Leatherwood, Inc. 7) Designated Agent Sandy Halstead
Address 1000 Consol Energy Drive Address 1627 Quarrier St
Canonsburg, PA 15317 Charleston, WV 25311-2124

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Derek Haught Name Coastal Drilling East LLC
Address PO Box 85 Address 70 Gums Springs Road
Smithville WV 26178 Morgantown, WV 26508

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

See page 3.

PROPOSED PLUG & ABANDONMENT PROCEDURE

RECEIVED
Office of Oil and Gas
JUL 19 2019
WV Department of
Environmental Protection

ok gum

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector _____ Date _____

Edgell 4

API 47-103-01332

Church District

Wetzel County

Location: Hundred

Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

We will rig up on site and, if necessary, begin to blow the well down and load with fluid to kill. If possible, any tubing or rods present will be removed from the well. We will run in the hole to determine the total depth of the well. Next, we will run wire line in the hole and run a caliper/ bond log. After the log, we will run work string to the attainable bottom. A bottom cement plug will be set from the attainable to the first packer, based on the log. We will attempt to pull any remaining pipe. If unable to pull, the pipe will be perforated and cemented to surface. If casing cannot be pulled or cut, then we will make sure perforations are placed to cover Pittsburgh Coal (1195' - 1202') with CIA cement plug. We will cover all oil and gas shows, water shows, and casing cuts with CIA cement plugs. Once complete, a monument with the API number will be set on the well bore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6.

(730' - 736')

All cement will be Class A with no more than 3% CaCl2. All spacers will be 6% gel.

The disturbed areas shall be graded, seeded, and mulched as required. The site will be reclaimed as soon as possible.

Notify inspector if unable to remove pipe prior to perforating and cementing.

OK JWH
MAPLETOWN COAL 625' - 630'
PITTSBURGH COAL 730' - 736'

ALL COAL MUST BE COVERED W/ CIA CEMENT PLUG.

RECEIVED
Office of Oil and Gas

JUL 19 2019

WV Department of
Environmental Protection

OFFSET Well
TO 47-103-0056



Select County: (103) Wetzel Select datatypes: (Check All)

Enter Permit #: 30322

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/ShowWater Logs Btm Hole Loc

Get Data Reset

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

WW Geological & Economic Survey:

Well: County = 103 Permit = 30322

Report Time: Monday, September 16, 2019 2:13:50 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4710330322	Wetzel	30322	Church	Hundred	Mannington	39.637893	-80.478924	544713.1	4387697.9

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
4710330322	12/21/1915		Original Loc	Completed	WH Earnshaw	1	5130 Mary E Earnshaw	3700	WH Earnshaw	Pittsburgh & WV Gas			

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
4710330322	12/21/1915	12/16/1915	1271	Ground Level	Hundred	UDev undf:Ber/LoHURN	Fourth	Development Well	unclassified	Gas	Cable Tool	unknown	3170		3170		0	0

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4710330322	12/21/1915	Pay	Gas	Vertical			595	undetermined unit	0	0			
4710330322	12/21/1915	Pay	Gas	Vertical	1272	undetermined unit	1284	undetermined unit	0	0			
4710330322	12/21/1915	Water	Salt Water	Vertical			1767	2nd Salt Sand					
4710330322	12/21/1915	Pay	Gas	Vertical	2312	Big Injun (Price&eq)	2322	Big Injun (Price&eq)	0	0			
4710330322	12/21/1915	Pay	Gas	Vertical	3118	Gordon	3121	Gordon	0	0			

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4710330322	Original Loc	unidentified coal	Well Record	477	Reasonable	3	Reasonable	1271	Ground Level
4710330322	Original Loc	unidentified coal	Well Record	540	Reasonable	5	Reasonable	1271	Ground Level
4710330322	Original Loc	Sewickley coal	Well Record	860	Reasonable	5	Reasonable	1271	Ground Level
4710330322	Original Loc	Pittsburgh coal	Well Record	974	Reasonable	8	Reasonable	1271	Ground Level
4710330322	Original Loc	Bufflo Ss/1st Cow Rn	Well Record	1356	Reasonable	56	Reasonable	1271	Ground Level
4710330322	Original Loc	Mahonig Ss/Big Dunk	Well Record	1436	Reasonable	59	Reasonable	1271	Ground Level
4710330322	Original Loc	1st Salt Sand	Well Record	1691	Reasonable	18	Reasonable	1271	Ground Level
4710330322	Original Loc	2nd Salt Sand	Well Record	1747	Reasonable	35	Reasonable	1271	Ground Level
4710330322	Original Loc	3rd Salt Sand	Well Record	1958	Reasonable	47	Reasonable	1271	Ground Level
4710330322	Original Loc	Little Lime	Well Record	2141	Reasonable	9	Reasonable	1271	Ground Level
4710330322	Original Loc	Pencil Cave	Well Record	2150	Reasonable	4	Reasonable	1271	Ground Level
4710330322	Original Loc	Big Lime	Well Record	2154	Reasonable	64	Reasonable	1271	Ground Level
4710330322	Original Loc	Big Injun (undiff)	Well Record	2218	Reasonable	198	Reasonable	1271	Ground Level
4710330322	Original Loc	Thirty-foot	Well Record	2998	Reasonable	31	Reasonable	1271	Ground Level
4710330322	Original Loc	Gordon Stray	Well Record	3071	Reasonable	5	Reasonable	1271	Ground Level
4710330322	Original Loc	Gordon	Well Record	3078	Reasonable	45	Reasonable	1271	Ground Level
4710330322	Original Loc	Fourth	Well Record	3130	Reasonable	4	Reasonable	1271	Ground Level

There is no Wireline (E-Log) data for this well

Plugging Information:

API	PLG_DT	DEPTH_PBT
4710330322	5/31/1940	0

There is no Sample data for this well

PITTSBURGH COAL ≈ 300' ABOVE
ELEVATION OF SEA LEVEL.

DOCUMENT USED TO ESTIMATE THE DEPTH OF PITTSBURGH COAL.

SPECIAL WELL TEST REPORT
FORM G39-27283

47-103-00856P

Special Test Cleaning Bailing Swabbing Pumping Shooting

Equitable Gas Co. - W. Va. Div. Company

WELL NO. 5137

Lease No. 3494 Farm S. S. Carney Acres 124 Map Mann. # 3-3

Twp. or Dist. Church County Wetzel State W. Va. Other wells on lease 5129
D.D. 4-9-25 1-7-31

Date completed 12-16-15 O.D.O.F. 1018-34, 1235 1527-30, 1986-88, M. Cu. Ft. O.R.P. 11.930 Producing sand Big Injun-Gordon-4th Sand
2069-71, 2876-79, 2893, 3133 Volume factor 52.848 C.H. Tubed with 3140 ft. of 2 in. thg. Byard Sand

Packed at 2849 ft. With 6-5/8 X 2 inch Hook Wall Packer

CASING RECORD: 10" 751 ft. 8 1/4" 1200 ft. 6 5/8" 1930 5 1/2"

Total depth 3142 ft. Top of fluid at 3040 (oil) ft. Bridged at _____ ft. Depth after this work 3140 ft.

OPEN FLOW AND MINUTE PRESSURE TESTS OF GAS FROM 2 INCH TUBING CASING

	"U" Tube Reading	M or W	Size Opening	Pitot or F.M.	Open Flow	L/P	1/2 Min.	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	R/P	Hrs.	Date	
Before	Against Line Pressure	xxx	x	xxx	xx	xxx	5	5 1/2	6	6 1/2	7 1/2	8	8 1/2	None	Taken	
	From Atmosphere	48/10	W	1/2"	FM	12.5M		1	2	2 1/2	3 1/2	4	"	"		
After	Against Line Pressure	xxx	x	xxx	xx	xxx	8	8 1/2	9	10	11	12	13	"	"	
	From Atmosphere	78/10	W	1/2"	FM	15.9M		1	2	3	4	5	6	"	"	

REMARKS (concerning wells condition, work done, machine used, etc.) Top of fluid 3040'. (93' of fluid on gas pay).

Bailed to 3140' with Jeep Machine. 4 da. - 258 mi. Wetzel & Cumberland

RECOMMENDATION _____

Amount Royalty \$ 100.00 Amount of free gas allowed per yr. Unlimited M Cu. ft. Amount used last 12 months _____ M Cu. ft.

	This Job	Total Previous	TOTAL EXPENSE LAST TWELVE MONTHS
EXPENSE: Cleaning.....	\$ _____	\$ _____	
Bailing.....	<u>154.92</u>	<u>None</u>	
Swabbing.....	_____	_____	<u>\$ 154.92</u>

Commenced work June 6 19 56

Completed work June 11 19 56

Date of this report June 20 19 56

Division Superintendent _____

Geologist's Recommendation _____

Date _____ 19 _____

Geologist _____

Land Agent's Report _____

Date _____ 19 _____

Land Agent _____

103-0856-P

W-5137
Lease 3494- S. S. Carney
TD 3142

Pipe in hole

Coal Seams

3140' of 2"
1930' of 6 5/8"
1200' of 8 1/4"
751' of 10"
159' of 13"

Mapletown Coal 625 - 630
Pittsburgh Coal 730' to 736'

Pull all pipe possible and set 100' cement plugs at all cuts.

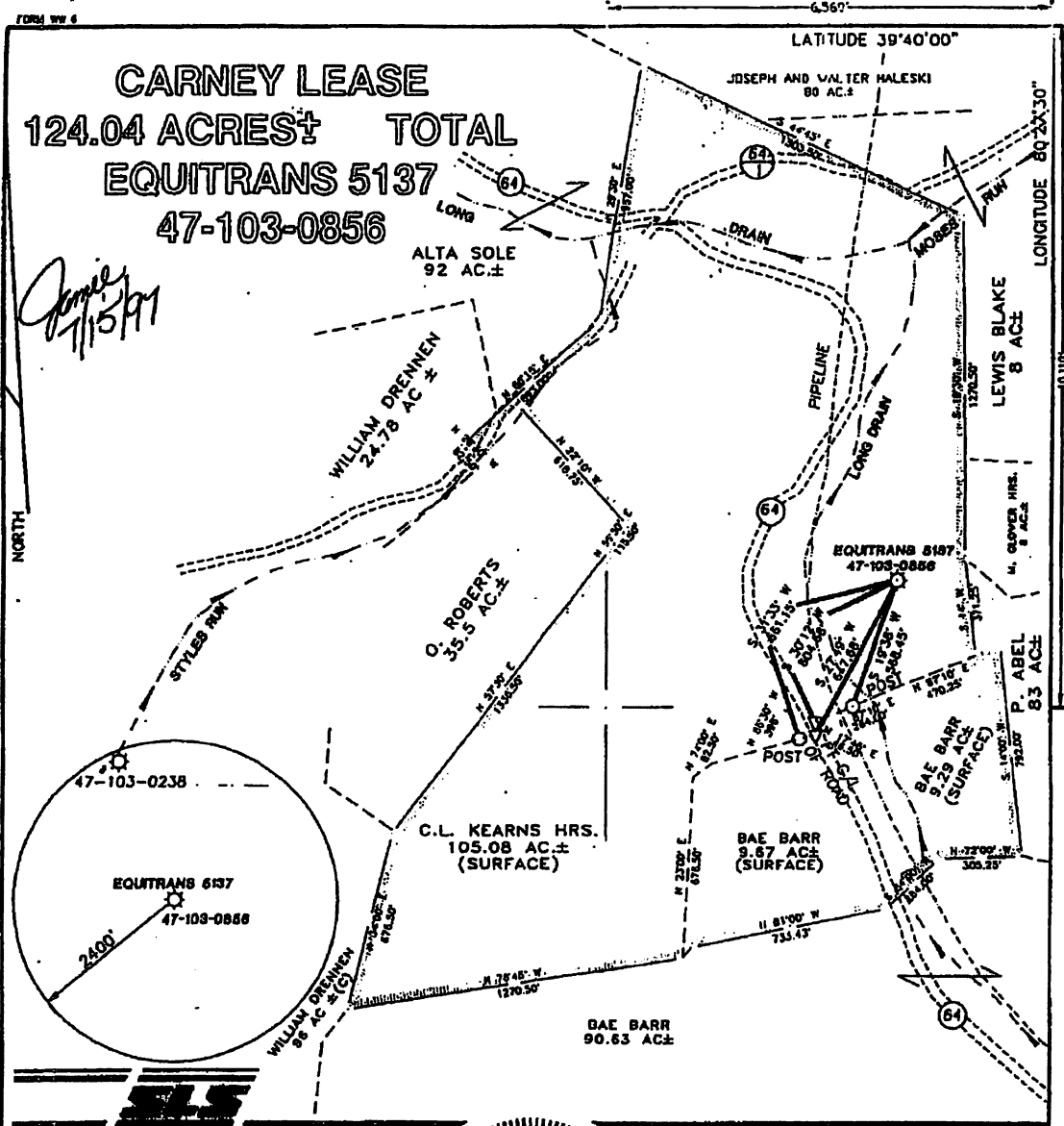
All plugs are composed of Class A neat cement

- Gel 3142 to surface
- Cement 3142 to 3042
- Cement 100' at 6 5/8" if casing cut
- Cement 100' at 8 1/4" if casing cut
- Cement 100' at 10" if casing cut
- Cement 100' at 13" if casing cut
- Cement 776 to 710 over coal
- Cement 670 to 605 over coal
- Cement 100' to surface
- Set monument, 7" pipe or larger, 13' long cemented in with API # displayed

Unrecoverable pipe through coal seams must be perforated and squeezed above and below the coal seam.

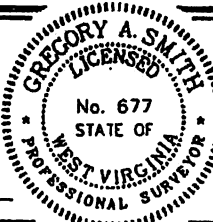
Plugging operation subject to change upon inspectors approval.

*Equations
Plugging
APL
47-103-00856-P*



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 ENERGY.

P.S. Gregory A. Smith
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 19 19 97
OPERATORS WELL NO. EQUITRANS 5137
API WELL NO. 47-103-00856
STATE 47 COUNTY 103 PERMIT 00856P
PLUGGING CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3734P1 (65-24)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1031' SCALE 1" = 500'

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

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

LOCATION : ELEVATION 1037' WATERSHED LONG DRAIN DISTRICT CHURCH COUNTY WETZEL QUADRANGLE HUNDRED 7.5'

SURFACE OWNER C.L. KEARNS HRS. ACREAGE 105.08
ROYALTY OWNER MATTHEW CARNEY LEASE ACREAGE 124.04
PROPOSED WORK : LEASE NO. 3494

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) 3192' TARGET FORMATION 3192' ESTIMATED DEPTH

WELL OPERATOR EQUITRANS, L.P. DESIGNATED AGENT WILLIAM HOSTUTLER
ADDRESS 3500 PARK LANE PITTSBURGH, PA 15275 ADDRESS P.O. BOX 1550 CLARKSBURG, WV 26301

James 1/15/97



COUNTY NAME WET PERMIT 0856-P-can.



"Pipeline"

Select County: (103) Weizel

Enter Permit #: 00856

Get Data [Reset]

Select datatypes: (Check All)

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/ShowMeter Logs Btm Hole Loc

Table Descriptions

County Code Translations

License Numbers

Lease Number Series

Operator Information

Discipline

WVGES Main

Timeline-Plus - New

Well: County = 103 Permit = 00856

Well Reassignment Information: Reassigned From
 OLD_COUNTY_OLD_PERMIT_NEW_COUNTY_NEW_PERMIT
 103 71268 103 856

Location Information: View Map
 API COUNTY PERMIT TAX_DISTRICT QUAD 75 QUAD 15 LAT_DD LON_DD UTIME UTIME
 4710300856 Weizel 656 Church Hundred Mannington 29.632797 -80.481553 544486.9 43877296.9

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
 4710300856 12/16/1915 Original Loc Completed S S Carney 2 5137 5137 Carney
 4710300856 -/- Plugging Cancelled Kern Deibert Victor HRS Development Well Development Well Development Well Oil and Gas unknown unknown 3142 3142

Completion Information:
 API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FWT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TWD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TL_BEF P_AFT TL_AFT BHT_P_B
 4710300856 -/- -/- 1032 Ground Level Hundred Hampshire Gp Bayard Development Well Development Well Development Well Oil and Gas unknown unknown 3142 3142

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH	TOP	FM	TOP	DEPTH	BOT	FM	BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER	CNTY	
4710300856	12/16/1915	Pay	Gas	Vertical	1017	0	Bullo Sr/1st Cow Rn	1022	Bullo Sr/1st Cow Rn	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	1024	0	Bullo Sr/1st Cow Rn	1036	Bullo Sr/1st Cow Rn	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	1527	0	2nd Salt Sand	1235	Manning S&B Dunk	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Salt Water	Vertical	1533	0	2nd Salt Sand	1535	2nd Salt Sand	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	1813	0	2nd Salt Sand	1813	2nd Salt Sand	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	2009	0	Big Injun (Price&eq)	1936	Big Injun (Price&eq)	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	2856	0	Gordon	2879	Gordon	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Oil	Vertical	2916	0	Fourth	2893	Fourth	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	3131	0	Bayard	2917	Fourth	0	0	0	0	0	0	0	0	0	0
4710300856	12/16/1915	Pay	Gas	Vertical	3133	0	Bayard	3133	Bayard	0	0	0	0	0	0	0	0	0	0

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
4710300856	Equitable Gas Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Thi. County Oil & Gas, Inc.	1999	1,607	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Thi. County Oil & Gas, Inc.	2000	3,415	302	297	272	282	316	334	263	232	259	280	300	278
4710300856	Thi. County Oil & Gas, Inc.	2001	3,208	267	267	267	267	267	267	267	267	268	268	268	268
4710300856	Thi. County Oil & Gas, Inc.	2002	2,695	210	220	174	178	237	222	242	269	256	214	217	216
4710300856	Thi. County Oil & Gas, Inc.	2003	2,032	180	332	202	190	192	206	448	32	209	152	208	202
4710300856	Thi. County Oil & Gas, Inc.	2004	2,391	179	239	214	172	193	363	61	113	151	174	202	189
4710300856	Thi. County Oil & Gas, Inc.	2005	2,056	201	184	153	135	147	150	161	194	182	189	182	181
4710300856	Thi. County Oil & Gas, Inc.	2006	1,629	159	193	190	142	202	182	146	113	95	73	78	56
4710300856	Leathewood, Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathewood, Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

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
4710300856	Equitable Gas Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0

WELL ID	OPERATOR	PROD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4710300856	Equitable Gas Co.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Tr-County Oil & Gas, Inc.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

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

WELL ID	OPERATOR	PROD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4710300856	Leathenwood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

WELL ID	OPERATOR	PROD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4710300856	Leathenwood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leathenwood, Inc.	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

WELL ID	SUPPLY	PERM	FR. QUALITY	DEPTH TOP	DEPTH QUALITY	THICKNESS	THICKNESS QUALITY	ELEV DATUM
4710300856	Original Loc	Phibbsley coal	Well Record	720	Reasonable	6	Reasonable	1032 Ground Level
4710300856	Original Loc	Phibbsley coal	Well Record	850	Reasonable	6	Reasonable	1032 Ground Level
4710300856	Original Loc	Meromtown Ss/limp	Well Record	1016	Reasonable	50	Reasonable	1032 Ground Level
4710300856	Original Loc	Buffo Ss/1st Cow Rn	Well Record	1190	Reasonable	159	Reasonable	1032 Ground Level
4710300856	Original Loc	Mahoning Ss/Big Dunk	Well Record	1450	Reasonable	65	Reasonable	1032 Ground Level
4710300856	Original Loc	1st Sstl Sand	Well Record	1500	Reasonable	20	Reasonable	1032 Ground Level
4710300856	Original Loc	2nd Sstl Sand	Well Record	1600	Reasonable	45	Reasonable	1032 Ground Level
4710300856	Original Loc	3rd Sstl Sand	Well Record	1820	Reasonable	55	Reasonable	1032 Ground Level
4710300856	Original Loc	Maxton	Well Record	1800	Reasonable	35	Reasonable	1032 Ground Level
4710300856	Original Loc	Perot Cave	Well Record	1900	Reasonable	10	Reasonable	1032 Ground Level
4710300856	Original Loc	Greentier Group	Well Record	1820	Reasonable	20	Reasonable	1032 Ground Level
4710300856	Original Loc	Big Line	Well Record	1820	Reasonable	20	Reasonable	1032 Ground Level
4710300856	Original Loc	Phosphate	Well Record	1955	Reasonable	65	Reasonable	1032 Ground Level
4710300856	Original Loc	Thyrford	Well Record	2750	Reasonable	215	Reasonable	1032 Ground Level
4710300856	Original Loc	Gordon Stray	Well Record	2785	Reasonable	28	Reasonable	1032 Ground Level
4710300856	Original Loc	Gordon	Well Record	2838	Reasonable	25	Reasonable	1032 Ground Level
4710300856	Original Loc	Fourth	Well Record	2893	Reasonable	45	Reasonable	1032 Ground Level
4710300856	Original Loc	Fifth	Well Record	2928	Reasonable	30	Reasonable	1032 Ground Level
4710300856	Original Loc	Bayard	Well Record	3130	Reasonable	24	Reasonable	1032 Ground Level
4710300856	Original Loc	Bayard	Well Record	3130	Reasonable	4	Reasonable	1032 Ground Level

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

API	SURF	FM	FM QUALITY	DEPTH	TOP	DEPTH	QUALITY	THICKNESS	QUALITY	ELEV	DATUM
4710300856	Equitable Gas Co.		Well Record	1985	0	0	0	0	0	0	0
4710300856	Equitable Gas Co.		Well Record	1986	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1988	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1989	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1990	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1991	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1992	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1993	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1994	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1995	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1996	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1997	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1998	0	0	0	0	0	0	0
4710300856	Equitrans, L.P.		Well Record	1999	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2000	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2001	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2002	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2003	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2004	0	0	0	0	0	0	0
4710300856	TH-County Oil & Gas, Inc.		Well Record	2005	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2006	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2007	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2008	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2009	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2010	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2011	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2012	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2013	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2014	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2015	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.		Well Record	2016	0	0	0	0	0	0	0

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

API	PRODUCING OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4710300856	Leatherwood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
4710300856	Leatherwood, Inc.	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4710300856	Leatherwood, Inc.	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SURF	FM	FM QUALITY	DEPTH	TOP	DEPTH	QUALITY	THICKNESS	QUALITY	ELEV	DATUM
4710300856	Original Loc	Sawdickey coal	Well Record	625	Reasonable	730	Reasonable	5	Reasonable	1032	Ground Level
4710300856	Original Loc	Pittsburgh coal	Well Record	730	Reasonable	850	Reasonable	6	Reasonable	1032	Ground Level
4710300856	Original Loc	Morgantown Sand/Murphy	Well Record	850	Reasonable	1016	Reasonable	50	Reasonable	1032	Ground Level
4710300856	Original Loc	Bufflo Sw/1st Cow Rn	Well Record	1016	Reasonable	1150	Reasonable	159	Reasonable	1032	Ground Level
4710300856	Original Loc	Mathonis Sw/Big Dunk	Well Record	1150	Reasonable	1450	Reasonable	65	Reasonable	1032	Ground Level
4710300856	Original Loc	1st Salt Sand	Well Record	1450	Reasonable	1500	Reasonable	20	Reasonable	1032	Ground Level
4710300856	Original Loc	2nd Salt Sand	Well Record	1500	Reasonable	1620	Reasonable	45	Reasonable	1032	Ground Level
4710300856	Original Loc	3rd Salt Sand	Well Record	1620	Reasonable	1820	Reasonable	55	Reasonable	1032	Ground Level
4710300856	Original Loc	Markon	Well Record	1820	Reasonable	1920	Reasonable	35	Reasonable	1032	Ground Level
4710300856	Original Loc	Later Lime	Well Record	1920	Reasonable	2020	Reasonable	30	Reasonable	1032	Ground Level
4710300856	Original Loc	Greenbrier Group	Well Record	2020	Reasonable	1820	Reasonable	20	Reasonable	1032	Ground Level
4710300856	Original Loc	Big Lime	WNGES Staff Geologist	1820	Reasonable	1920	Reasonable	65	Reasonable	1032	Ground Level
4710300856	Original Loc	Thiny-foot	Well Record	1920	Reasonable	1985	Reasonable	215	Reasonable	1032	Ground Level
4710300856	Original Loc	Gordon Stray	Well Record	1985	Reasonable	2750	Reasonable	28	Reasonable	1032	Ground Level
4710300856	Original Loc	Gordon	Well Record	2750	Reasonable	2838	Reasonable	25	Reasonable	1032	Ground Level
4710300856	Original Loc	Fourth	Well Record	2838	Reasonable	2893	Reasonable	45	Reasonable	1032	Ground Level
4710300856	Original Loc	Fifth	Well Record	2893	Reasonable	2928	Reasonable	30	Reasonable	1032	Ground Level
4710300856	Original Loc	Bayard	Well Record	2928	Reasonable	3130	Reasonable	24	Reasonable	1032	Ground Level
4710300856	Original Loc	Bayard	Well Record	3130	Reasonable			4	Reasonable	1032	Ground Level

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

WW-4A
Revised 6-07

1) Date: 07/12/19
2) Operator's Well Number
5137
3) API Well No.: 47 - 103 - 00856

**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>Kern Delbert Victor HRS., C/O Hayhurst Company</u>	Name <u>UNKNOWN</u>
Address <u>PO Box 5065</u>	Address _____
<u>Fairmont, WV 26555</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>WPP, LLC</u>
_____	Address <u>5260 Huntington Road</u>
_____	<u>Huntington, WV 2575-3247</u>
(c) Name _____	Name <u>Hundred Resources, Inc.</u>
Address _____	Address <u>PO Box 5065</u>
_____	<u>Fairmont, WV 26555</u>
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 85</u>	Name <u>Foundation Coal Resources Corporation</u>
<u>Smithville, WV 26178</u>	Address <u>158 Portal Road</u>
Telephone <u>(304) 206-7613</u>	<u>Waynesburg, WV 15370</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.

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Chad M. Roberts, Notary Public
 North Strabane Twp., Washington County
 My Commission Expires Dec. 6, 2020
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Well Operator Leatherwood, Inc
 By: Casey Saunders
 Its: Assistant Vice President
 Address 1000 Consol Energy Drive
Canonsburg, PA 15370
 Telephone (724) 416-8441

Casey G. Saunders

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 15th day of July, 2019
Chad M. Roberts Notary Public
 My Commission Expires 12-6-2020

JUL 19 2019

WV Department of
Environmental Protection

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.

WW-9
(5/16)

API Number 47 - 103 - 00856
Operator's Well No. _____

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

Operator Name Leatherwood, Inc. OP Code 494476721

Watershed (HUC 10) Long Drain Quadrangle Hundred

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

WELL EFFLUENT MUST BE CONTAINED
IN TANKS WHILE ON SITE. JWM

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:

- 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 Waste Management or Ryan Environmental will use vacuum trucks and properly dispose of any fluid or waste returns.)

Will closed loop system be used? If so, describe: no

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. na

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? na

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. na

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

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 Casey V. Saunders

Company Official (Typed Name) Casey Saunders

Company Official Title Assistant Vice President

RECEIVED
Office of Oil and Gas

JUL 19 2019

WV Department of
Environmental Protection

Subscribed and sworn before me this 15th day of July, 2019

Chad M. Roberts

Notary Public

My commission expires 12-6-2020

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Chad M. Roberts, Notary Public
North Strabane Twp., Washington County
My Commission Expires Dec. 6, 2020
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Proposed Revegetation Treatment: Acres Disturbed <1 acre Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5

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: _____

Comments: See Attached.

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Environmental Protection

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JUL 19 2019

Title: _____

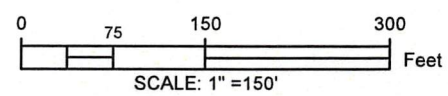
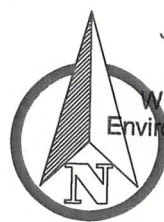
Date: _____

Field Reviewed? () Yes () No

WV Department of
Environmental Protection

JUL 19 2019

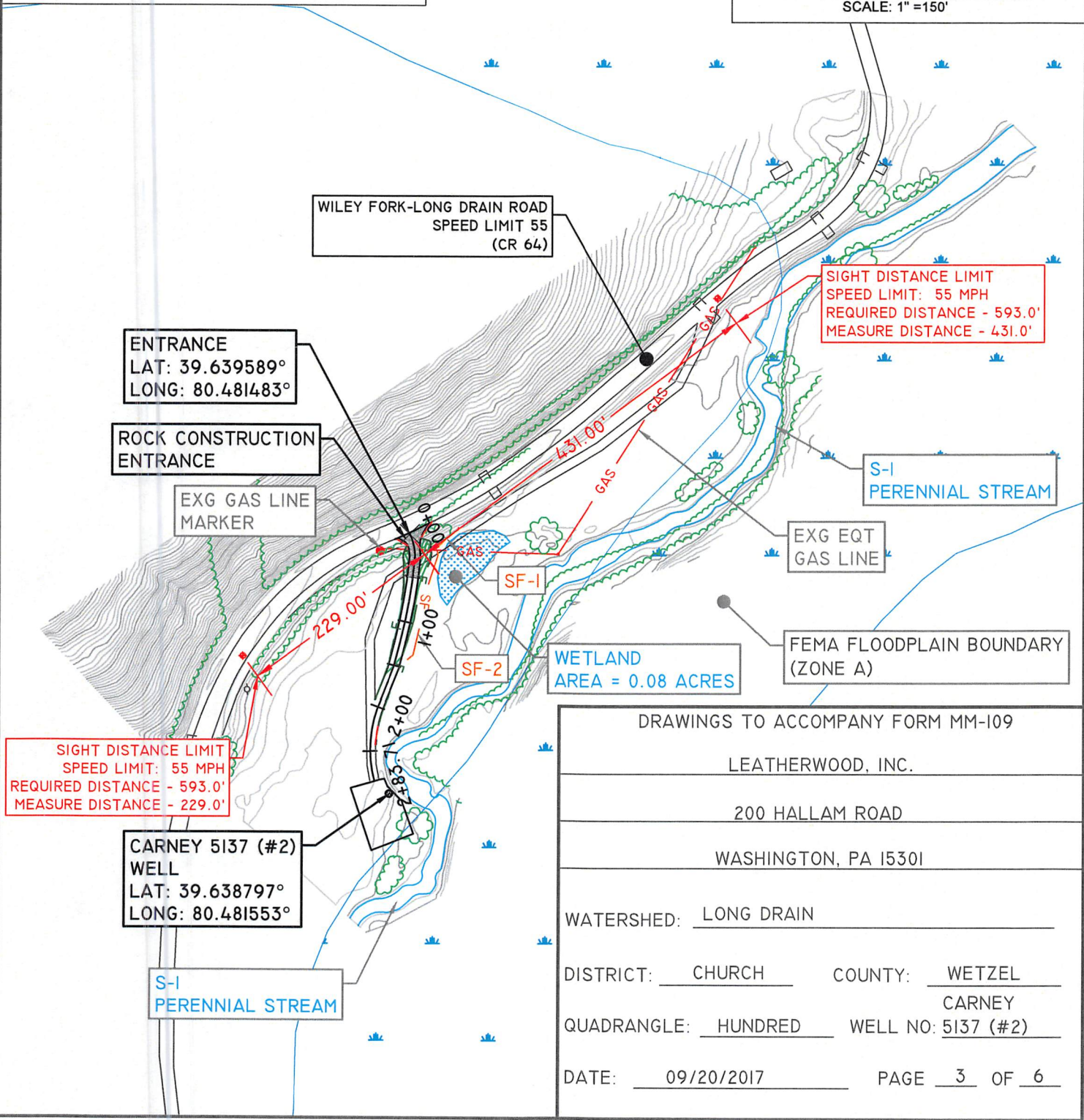
WV Department of
Environmental Protection



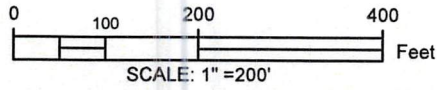
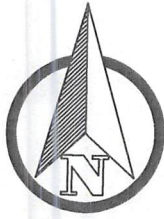
THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

LEGEND

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE
- - FEMA FLOODPLAIN



DRAWINGS TO ACCOMPANY FORM MM-109	
LEATHERWOOD, INC.	
200 HALLAM ROAD	
WASHINGTON, PA 15301	
WATERSHED:	LONG DRAIN
DISTRICT:	CHURCH
COUNTY:	WETZEL
	CARNEY
QUADRANGLE:	HUNDRED
WELL NO:	5137 (#2)
DATE:	09/20/2017
PAGE:	3 OF 6



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

LEGEND

- - - - - EXISTING ROAD
- ~ ~ ~ ~ ~ EXISTING TREE LINE
- — — — FEMA FLOODPLAIN

WILEY FORK-LONG DRAIN ROAD
SPEED LIMIT 55
(CR 64)

ENTRANCE
LAT: 39.639589°
LONG: 80.481483°

CARNEY 5137 (#2)
WELL
LAT: 39.638797°
LONG: 80.481553°

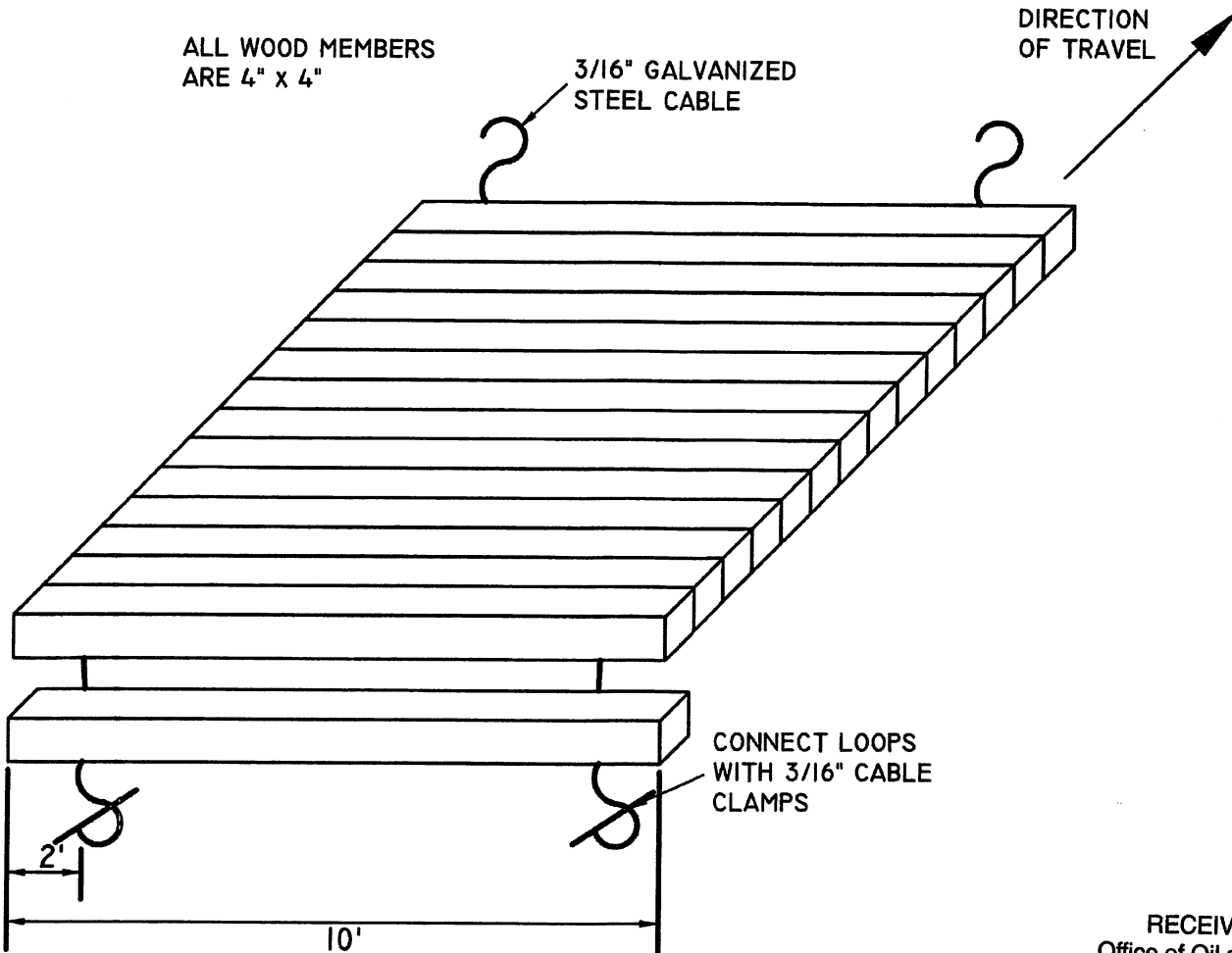
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WV Department of
Environmental Protection

FEMA FLOODPLAIN BOUNDARY
(ZONE A)

DRAWINGS TO ACCOMPANY FORM WW-9	
LEATHERWOOD, INC.	
200 HALLAM ROAD	
WASHINGTON, PA 15301	
WATERSHED: <u>LONG DRAIN</u>	
DISTRICT: <u>CHURCH</u>	COUNTY: <u>WETZEL</u>
CARNEY	
QUADRANGLE: <u>HUNDRED</u>	WELL NO: <u>5137 (#2)</u>
DATE: <u>09/20/2017</u>	PAGE <u>1</u> OF <u>4</u>



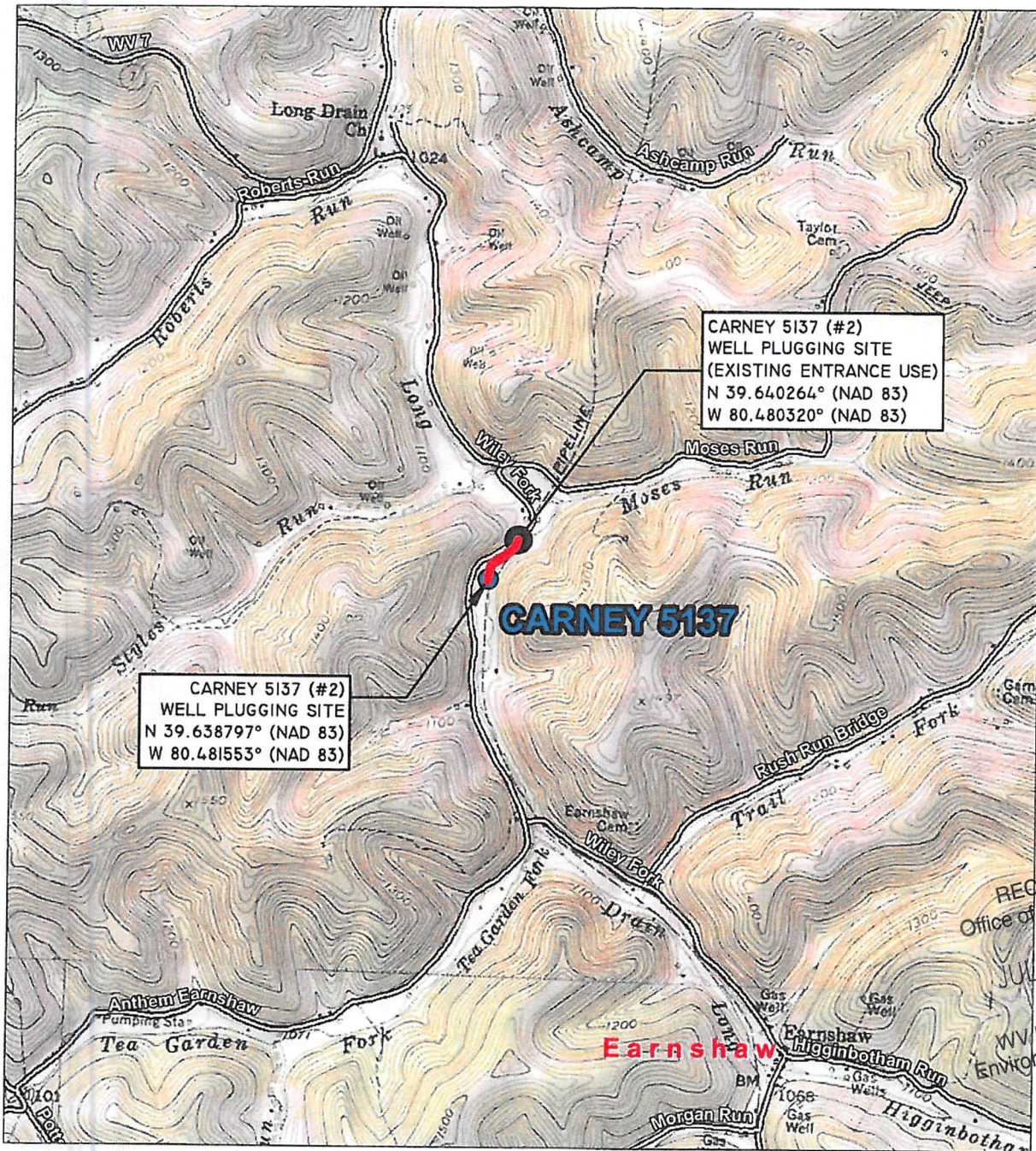
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Office of Oil and Gas

JUL 19 2019

TYPICAL WOOD MAT CROSSING DETAIL WV Department of Environmental Protection

NOT TO SCALE

DRAWINGS TO ACCOMPANY FORM WW-9	
LEATHERWOOD, INC.	
200 HALLAM ROAD	
WASHINGTON, PA 15301	
WATERSHED: <u>LONG DRAIN</u>	
DISTRICT: <u>CHURCH</u>	COUNTY: <u>WETZEL</u>
CARNEY	
QUADRANGLE: <u>HUNDRED</u>	WELL NO: <u>5137 (#2)</u>
DATE: <u>05/25/2017</u>	PAGE <u>3</u> OF <u>3</u>



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WV Department of
Environmental Protection

LOCATION MAP
HUNDRED, WV 7.5M USGS QUADRANGLE
SCALE: 1"=2000'



Blue Mountain Inc.
Engineers and Land Surveyors
Woman Owned Small Business
11023 Mason Dixon Hwy.
Burton, WV 26562-9656
(304) 662-6486

LOCATION MAP
GAS WELL PLUGGING
CARNEY 5137 (#2) GAS WELL
CHURCH DISTRICT
WETZEL COUNTY, WV
LEATHERWOOD, INC.
200 HALLAM ROAD
WASHINGTON, PA 15301

DRAWN BY: LLF
CHECKED BY: WPF
DATE: 05/25/2017
SCALE: 1"=2000'
WATERSHED:
LONG DRAIN
PAGE 2 OF 3

WW-7
8-30-06



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

API: 47-103-00856 WELL NO.: 5137

FARM NAME: Carney

RESPONSIBLE PARTY NAME: LEATHER WOOD, INC.

COUNTY: Wetzel DISTRICT: Church

QUADRANGLE: Hundred

SURFACE OWNER: Kern Delbert Victor HRS.

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,387,796.873 Meters

(1032')

UTM GPS EASTING: 544,486.887 Meters GPS ELEVATION: 314.554 Meters

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 _____

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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. WV Department of Environmental Protection

Ashey G. Saunders
Signature

Assistant Vice President - Leatherwood
Title

07/17/19
Date