#### State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

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SEP 3 0 2022

API 47 - 103 - 03006 County Wetzel	District Magnolia Environmental F	ent of Protection
Quad Porter Falls 7.5' Pad Name Lackawanna	Field/Pool Name	
Farm name M.B. Investments	Well Number Lackawanna 3H	
Operator (as registered with the OOG) Tug Hill Operating, LLC		
Address 380 Southpointe Boulevard, Plaza II, Suite 200 City Canonsburg	State PA Zip 15317	
As Drilled location NAD 83/UTM Attach an as-drilled plat, profile Top hole Northing 4,384,049.11	Easting 512,301.95	
Landing Point of Curve Northing 4,383,875.63	Easting 512,386.98	
Bottom Hole Northing 4,386,555.99	Easting 510,838.88	
Elevation (ft) 1305.44' GL Type of Well New $\square$ Ex	tisting Type of Report □Interim ■Fina	1
Permit Type   Deviated   Horizontal   Horizontal   A	Vertical Depth Type   Deep	Shallow
Type of Operation □ Convert □ Deepen ■ Drill □ Plug Back	□ Redrilling □ Rework ■ Stimulate	
Well Type □ Brine Disposal □ CBM 💆 Gas □ Oil □ Secondary Reco	very □ Solution Mining □ Storage □ Other _	
Type of Completion □ Single ■ Multiple Fluids Produced ■ Brine	■Gas ■ NGL □ Oil □ Other	
Drilled with □ Cable ■ Rotary		
	ermediate hole Air Mud Fresh Water	□ Brine
Production hole □ Air ■ Mud □ Fresh Water □ Brine		
Mud Type(s) and Additive(s) SOBM; Base oil, osmotic inhibitor, weighting agent, viscosifier, e	emulsifier, hardness buffer, fluid loss additiv	ve, LCM,
Shale inhibitor, de-foamer, soaping agent, coagulant, flocculant		
Date permit issued 10/26/2018 Date drilling commenced spud: 11/3	3/2014 big rig: 7/18/2019 Date drilling ceased8/10/.	2019
Date completion activities began10/27/2021 Date comp	eletion activities ceased 12/28/2021	_
Verbal plugging (Y/N) N Date permission granted n/	/a Granted by n/a	
Please note: Operator is required to submit a plugging application within 5	days of verbal permission to plug	
Freshwater depth(s) ft 1134' Open mine(	(s) (Y/N) depths	
Salt water depth(s) ft 1595' Void(s) enc	ountered (Y/N) depths N	
1024 1040! 1120 1125!	ncountered (Y/N) depths	
Is coal being mined in area (Y/N) N	Reviewed by	

APPROVED OCT 0 1 202 2 10/14/2022

API 47- 103 - 03006

Farm name M.B. Investments

\_Well number\_Lackawanna 3H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	26"	20"	40"	NEW	BW	N/A	Y
Surface	17 1/2"	13 3/8"	1,264'	NEW	48#	N/A	Y
Coal	17 1/2"	13 1/8"	1,264'	NEW	48#	N/A	· ·
Intermediate 1	12 1/4"	9 5/8"	2,886'	NEW	36#	N/A	· · · · · · · · · · · · · · · · · · ·
Intermediate 2						14//	
Intermediate 3							
Production	8 7/8"	5 1/2"	17,599'	NEW	20#	N/A	V
Tubing		2 3/8"	8,800'	NEW	4.7#	N/A	
Packer type and de	epth set		-,500		1.77	19/7	7 //

Comment Details

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume ( <u>ft ³</u> )	Cement Top (MD)	WOC (hrs)
Conductor	Α	65	15.6	1.21	78	0	8
Surface	Α	933	15.6	1.21	1,128	0	8
Coal	Α	933	15.6	1.21	1,128	0	8
Intermediate 1	А	954	15.6	1.19	1,135	0	
Intermediate 2					1,100		0
Intermediate 3							
Production	A	4,901	14.5	1.17	5,756	0	0
Tubing				1.17	0,100	0	•

Drillers TD (ft) 17,622'			Loggers TD (ft) n/a	
Deepest formation penetrated Ma	arcellus		Plug back to (ft) n/a	DECEMED.
Plug back procedure n/a				RECEIVED Office of Oil and Gas
				SEP 3 0 2022
Kick off depth (ft) 5,994'				tenem durant of
				WV Department of Environmental Protection
Check all wireline logs run	□ caliper	$\Box$ density	deviated/directional	□ induction
	□ neutron	□ resistivity	📕 gamma ray	□ temperature □sonic
DESCRIBE THE CENTRALIZATION Intermediate – 1 centralizer every other joint.  Production – one centralizer every other joint in la				G 3 centralizers on surface casing at equal distance.
WAS WELL COMPLETED AS	SHOT HOLE	□ Yes 💄 1	No DETAILS	
WAS WELL COMPLETED OP	EN HOLE?	□ Yes 💄 No	DETAILS	
WERE TRACERS USED			ACER(S) USED	

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API 47- 103 - 03006

Farm name M.B. Investments

\_Well number\_Lackawanna 3H

#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	*see attached				1 ormation(o)
					RECEIVED Office of Oil and Gas
					SEP 3 0 2022
					VAN/ Department of
					WV Department of Environmental Protection

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
attached				,		(00.0)	r tierogeni ottier (units)
			-				
		Date Rate (BPM)	Date Rate (BPM) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proposition (Ibs)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proposition (Ibs) Water (Ible)

Please insert additional pages as applicable.

API 47- 103	PI 47- 103 _ 03006 Farm na		name M.B. Inv	M.B. InvestmentsWell number_Lackawan				ına 3H			
PRODUCING	FORMAT	ION(S)		DEPTHS							
MARCELLUS				6,750'-6,604'	_TVD	7,354'-	-17,622'	MD		RECE! Office of Oil	VED and Gas
										SEP 3 (	
										WV Depar	tmen <b>t of</b>
Please insert ac	lditional pa	ages as a	ipplicable.					<del></del>	l	WV Depar Environmenta	l Protection
GAS TEST	□ Build u	p 🗆 D	rawdown	Open Flow		OIL T	EST 🛔	Flow $\square$	Pump		
SHUT-IN PRE	SSURE	Surfac	e 1300	psi Botto	m Hole_		psi	DURAT	ION C	F TEST 4	hrs
OPEN FLOW	Gas 923	mcfpd	Oil 5	NGL bpd	bpd	Water	bpd			RED BY	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH I	N FT I	BOTTOM DEPTH IN FI TVD	ТОР	BOTTC DEPTH II MD	OM NFT DE	ESCRIBE F	ROCK TYF	E AND	RECORD QUA	
*See attached	0			U							
Dlagas insent a	1 1 2 2 1		1. 11								
Please insert ad			ippiicable.								
Drilling Contra Address 10350			illo 700		11						
Address 10330	KIGIIIIUIIU A	venue, St	aite 700	City	Houston			State	TX _	Zip	2
Logging Comp	any n/a										
Address				City				State		Zip	
Cementing Cor	npany BJ	Services									
Address 4000 T	own Center	Boulevard	ı	City	Canonsb	urg		State	PA	Zip _1531	7
Stimulating Co	<sub>mpany</sub> s	Stingray									
Address 66680				City	St. Clairs	ville		State	ОН	Zip 4395	0
Please insert ad	lditional pa	ages as a	pplicable.					-		<u> </u>	
Completed by	Amy L. M	orris				T <sub>e</sub>	elenhone	304-376	-0111		
Signature W	M XV	lovus		Title P	ermitting Sp		phone		Date_	9/29/20	220

# LACKAWANNA 3H PEFORATION RECORD

SEP 3 0 2022

		Perforated from	1	Number of	WV Department of Environmental Protection
tage No.	Perforation Date	MD ft.	MD. Ft.	Perforations	Formation(s)
1	10/27/2021	17,200	17,346	48	Marcellus
2	10/28/2021	17,024	17,171	48	Marcellus
3	10/29/2021	16,848	16,995	48	Marcellus
4	10/30/2021	16,672	16,819	48	Marcellus
5	10/31/2021	16,497	16,643	48	Marcellus
6	11/1/2021	16,321	16,467	48	Marcellus
7	11/2/2021	16,145	16,292	48	Marcellus
8	11/3/2021	15,969	16,116	48	Marcellus
9	11/4/2021	15,793	15,940	48	Marcellus
10	11/5/2021	15,618	15,764	48	Marcellus
11	11/6/2021	15,442	15,588	48	Marcellus
12	11/7/2021	15,020	15,167	48	Marcellus
13	11/8/2021	15,090	15,237	48	Marcellus
14	11/9/2021	14,914	15,061	48	Marcellus
15	11/10/2021	14,493	14,639	48	Marcellus
16	11/12/2021	14,563	14,709	48	Marcellus
17	11/13/2021	14,387	14,534	48	Marcellus
18	11/14/2021	14,211	14,358	48	Marcellus
19	11/15/2021	14,035	14,182	48	Marcellus
20	11/16/2021	13,860	14,006	48	Marcellus
21	11/17/2021	13,684	13,830	48	Marcellus
22	11/18/2021	13,508	13,655	48	Marcellus
23	11/21/2021	13,332	13,479	48	Marcellus
24	11/22/2021	13,156	13,303	48	Marcellus
25	11/25/2021	12,981	13,127	48	Marcellus
26	11/26/2021	12,805	12,951	48	Marcellus
27	11/27/2021	12,629	12,776	48	Marcellus
28	11/28/2021	12,453	12,600	48	Marcellus
29	11/29/2021	12,277	12,424	48	Marcellus
30	11/30/2021	12,102	12,248	48	Marcellus
31	12/1/2021	11,926	12,072	48	Marcellus
32	12/3/2021	11,750	11,897	48	Marcellus
33	12/4/2021	11,574	11,721	48	Marcellus
34	12/5/2021	11,398	11,545	48	Marcellus
35	12/6/2021	11,223	11,369	48	Marcellus
36	12/7/2021	11,047	11,193	48	Marcellus
37	12/8/2021	10,871	11,018	48	Marcellus
38	12/9/2021	10,695	10,842	48	Marcellus
39	12/10/2021	10,519	10,666	48	Marcellus
40	12/11/2021	10,344	10,490	48	Marcellus
41	12/12/2021	10,168	10,314	48	Marcellus
42	12/13/2021	9,992	10,139	48	Marcellus

		Perforated from	Perforated to	Number of	
Stage No.	Perforation Date	MD ft.	MD. Ft.	Perforations	Formation(s)
43	12/14/2021	9,816	9,963	48	Marcellus
44	12/15/2021	9,640	9,787	48	Marcellus
45	12/16/2021	9,465	9,611	48	Marcellus
46	12/17/2021	9,289	9,435	48	Marcellus
47	12/18/2021	9,113	9,260	48	Marcellus
48	12/19/2021	8,937	9,084	48	Marcelius
49	12/20/2021	8,761	8,908	48	Marcellus
50	12/21/2021	8,586	8,732	48	Marcellus
51	12/22/2021	8,410	8,556	48	Marcellus
52	12/23/2021	8,234	8,381	48	Marcellus
53	12/24/2021	8,058	8,205	48	Marcellus
54	12/25/2021	7,882	8,029	48	Marcellus
55	12/26/2021	7,707	7,853	48	Marcellus
56	12/27/2021	7,531	7,677	48	Marcellus
57	12/28/2021	7,355	7,502	48	Marcellus

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# LACKAWANNA N-3HM STIMULATION INFORMATION PER STAGE

	Ave. Pump	Ave Treatment	Max Breakdown		Amount of	Amount of	Amount of		
Stage No.	Rate (BPM)	Pressure (PSI)	Pressure (PSI)	ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other (L	ınits)	
1	82.40	8893	6388	4400	45827	2898		1111037	
2	89.90	7495	4910	4595	444080	8583	0	_	
3	88.60	7191	4696	5000	443500	8425	0		
4	89.90	7017	5038	4200	436580	8464	0		
5	89.10	7071	5067	4300	446400	8536	0		
6	90.10	7076	4782	3876	445220	8540	0		
7	90.00	6927	4633	4398	444060	8411	0		
8	88.70	6891	4693	4321	444880	8522	0		
9	89.60	6800	4787	4555	444520	8414	0		
10	89.00	6770	4692	4096	440640	8358	0		
11	89.90	6685	4696	3925	443040	7862	0		
12	90.00	6798	4558	3812	439240	7865	0		
13	89.90	6934	4693	4172	449380	7959	0		
14	90.50	6886	4789	4819	448080	7847	0		
15	89.70	6885	4832	4396	443900	7869	0		
16	90.20	6853	4627	4870	446640	7963	0		
17	89.80	6964	4998	4600	438120	7802	0		
18	90.00	6907	4865	4400	437920	7743	0		
19	90.30	7033	4911	4800	443520	7775	0		
20	90.30	6831	4721	4575	441120	7690	0		
21	89.40	6958	4784	4200	438760	7722	0		
22	91.20	6765	4763	5000	445620	7743	0		
23	89.90	6668	4709	4278	445760	7728	0		
24	89.60	6911	4591	4505	444820	7850	0		
25	89.90	6677	4580	4597	445260	7816	0		
26	89.60	6538	4567	4164	441160	7627	0	ш	
27	91.50	6767	4567	4276	443510	7752	0	35	0
28	90.00	7133	4621	4546	400300	8527	0	a D	
29	90.80	6694	4701	4584	441600	7647	0	epartme	C
30	90.50	6659	4629	4649	445760	7664	0	<u> </u>	0
31	88.80	6835	4924	4453	445200	7603	0	ent of rotection	7707
32	89.50	6893	4901	4847	447280	8279	0	00	-

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Stage No.	Ave. Pump Rate (BPM)	Ave Treatment	Max Breakdown	ICID (DCI)	Amount of	Amount of	Amount of
		Pressure (PSI)	Pressure (PSI)	ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other (units)
33	90.30	6652	4878	4787	440980	8130	
34	89.60	6909	4892	4810	402980	7783	
35	89.50	6622	4929	4821	441680	8385	
36	89.50	6781	5000	4227	447860	8096	
37	89.90	6676	5054	4571	444700	8186	0
38	89.90	6600	5110	4762	442440	8115	0
39	90.50	6750	5206	4471	445940	8161	0
40	88.70	6907	5347	4634	447340	8179	0
41	89.30	6674	4973	4172	438360	8167	0
42	89.40	6621	5137	4293	440340	8172	0
43	89.90	6558	5233	3716	439740	8113	0
44	91.50	6598	5790	3962	445000	8164	0
45	90.00	6589	6059	5021	443100	8147	0
46	89.90	6547	5147	4842	439080	8091	0
47	89.90	6615	5647	4411	442800	8177	0
48	89.60	6451	5492	3790	446100	8107	0
49	90.20	6403	5659	3916	440660	8054	0
50	89.40	6238	5450	4642	445820	8019	0
51	90.40	6137	5329	4210	447810	8196	0
52	90.30	6213	5177	4291	438380	8068	0
53	90.30	6050	4905	4570	447260	8308	0
54	89.50	6145	5371	4298	447240	8010	0
55	90.90	6104	5193	3991	438380	8185	0
56	89.80	6121	5432	4427	428100	7759	0
57	89.50	6266	5208	4800	438060	7865	0

WV Department of Environmental Protection

Office of Oil and Gas
SEP 3 0 2022

### Lackawanna 3H

### Lithology Informtion

	TOP DEPTH IN FT/	BOTTOM DEPTH	TOP DEPTH	BOTTOM DEPTH	DESCRIBE ROCK TYPE AND RECORD
LITHOLOGY/FORMATION	Name TVD	IN FT TVD	IN FT MD	IN FT MD	QUQANTITY AND TYPE OF FLUID
Maxton	2072	2188	2072	2188	Sandstone
Big Lime	2188	2311	2188	2312	Limestone
Big Injun	2311	2649	2312	2651	Sandstone
Weir	2649	2841	2651	2843	Sandstone
Berea	2841	3222	2843	3226	Sandstone
Gordon	3222	3281	3226	3286	Sandstone
Fifty Foot	3281	3796	3286	3832	Sandstone
Speechley	3796	5160	3832	5363	Sandstone
Benson	5160	5545	5363	5794	Sandstone
Alexander	5545	6132	5794	6413	Siltstone
Rhinestreet	6132	6573	6413	6894	Black Shale
Middlesex	6573	6655	6894	7025	Black Shale
Geneseo/Burkett	6655	6675	7025	7065	Black Shale
Tully	6675	6707	7065	7146	Limestone
Hamilton	6707	6720	7146	7189	Gray Shale
Marcellus	6720	-	7189	-	Black Shale

WV Department of Environmental Protection

Office of Oil and Gas
SEP 3 0 2022

# LACKAWANNA N-3HM STIMULATION INFORMATION PER STAGE

	Ave. Pump	Ave Treatment	Max Breakdown		Amount of	Amount of	Amount of
Stage No.	Rate (BPM)	Pressure (PSI)	Pressure (PSI)	ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other (units)
1	82.40	8893	6388	4400	45827	2898	0
2	89.90	7495	4910	4595	444080	8583	0
3	88.60	7191	4696	5000	443500	8425	0
4	89.90	7017	5038	4200	436580	8464	0
5	89.10	7071	5067	4300	446400	8536	0
6	90.10	7076	4782	3876	445220	8540	0
7	90.00	6927	4633	4398	444060	8411	0
8	88.70	6891	4693	4321	444880	8522	0
9	89.60	6800	4787	4555	444520	8414	0
10	89.00	6770	4692	4096	440640	8358	0
11	89.90	6685	4696	3925	443040	7862	0
12	90.00	6798	4558	3812	439240	7865	0
13	89.90	6934	4693	4172	449380	7959	0
14	90.50	6886	4789	4819	448080	7847	0
15	89.70	6885	4832	4396	443900	7869	0
16	90.20	6853	4627	4870	446640	7963	0
17	89.80	6964	4998	4600	438120	7802	0
18	90.00	6907	4865	4400	437920	7743	0
19	90.30	7033	4911	4800	443520	7775	0
20	90.30	6831	4721	4575	441120	7690	0
21	89.40	6958	4784	4200	438760	7722	0
22	91.20	6765	4763	5000	445620	7743	0
23	89.90	6668	4709	4278	445760	7728	0
24	89.60	6911	4591	4505	444820	7850	g
25	89.90	6677	4580	4597	445260	7816	SE SE
26	89.60	6538	4567	4164	441160	7627	SEP SEP
27	91.50	6767	4567	4276	443510	7752	<u> </u>
28	90.00	7133	4621	4546	400300	8527	
29	90.80	6694	4701	4584	441600	7647	2022 Broke
30	90.50	6659	4629	4649	445760	7664	6 2
31	88.80	6835	4924	4453	445200	7603	ð
32	89.50	6893	4901	4847	447280	8279	0

Stago No	Ave. Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of	Amount of Water (bbls)	Amount of
Stage No.					Proppant (lbs)		Nitrogen/other (units)
33	90.30	6652	4878	4787	440980	8130	
34	89.60	6909	4892	4810	402980	7783	
35	89.50	6622	4929	4821	441680	8385	
36	89.50	6781	5000	4227	447860	8096	
37	89.90	6676	5054	4571	444700	8186	0
38	89.90	6600	5110	4762	442440	8115	0
39	90.50	6750	5206	4471	445940	8161	0
40	88.70	6907	5347	4634	447340	8179	0
41	89.30	6674	4973	4172	438360	8167	0
42	89.40	6621	5137	4293	440340	8172	0
43	89.90	6558	5233	3716	439740	8113	0
44	91.50	6598	5790	3962	445000	8164	0
45	90.00	6589	6059	5021	443100	8147	0
46	89.90	6547	5147	4842	439080	8091	0
47	89.90	6615	5647	4411	442800	8177	0
48	89.60	6451	5492	3790	446100	8107	0
49	90.20	6403	5659	3916	440660	8054	0
50	89.40	6238	5450	4642	445820	8019	0
51	90.40	6137	5329	4210	447810	8196	0
52	90.30	6213	5177	4291	438380	8068	0
53	90.30	6050	4905	4570	447260	8308	0
54	89.50	6145	5371	4298	447240	8010	0
55	90.90	6104	5193	3991	438380	8185	0
56	89.80	6121	5432	4427	428100	7759	0
57	89.50	6266	5208	4800	438060	7865	0

WV Department of Environmental Protection

## **Hydraulic Fracturing Fluid Product Component Information Disclosure**

Job Start Date:	10/27/2021
Job End Date:	12/28/2021
State	West Virginia
County:	Wetzel
API Number:	47-103-03006-00-00
Operator Name:	Tug Hill Operating, LLC
Well Name and Number:	Lackawanna N-3HM
Latitude:	-80.85670585
Longitude:	39.60609798
Datum:	NAD27
Federal Well:	YES
Indian Well:	NO
True Vertical Depth:	6,758
Total Base Water Volume (gal):	19,890,024
Total Base Non Water Volume:	0



### **Hydraulic Fracturing Fluid Composition:**

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Tug Hill Operating	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	69.40657	None
Sand (30/50 Mesh Proppant)	US Silica	Proppant					
			Silica Substrate	14808-60-7	100,00000	21.08902	None
Sand (40/70 Mesh Proppant)	US Silica	Proppant					
2010			Silica Substrate	14808-60-7	100.00000	6.99618	None
Sand (100 Mesh Proppant)	US Silica	Proppant					
			Silica Substrate	14808-60-7	100.00000	2.40869	None
StimSTREAM FR 9800	Chemstream Oilfield Services	Friction Reduction					
			copolymer of 2-propenamide	Proprietary	25.00000	0.01105	None
			Petroleum Distillate	64742-47-8	18.00000	0.00796	None
			Oleic Acid Diethanolamide	93-83-4	3.00000	0.00133	None
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0,00088	None
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00044	None
Hydrochloric Acid (28%)	Dover	Acidizing					

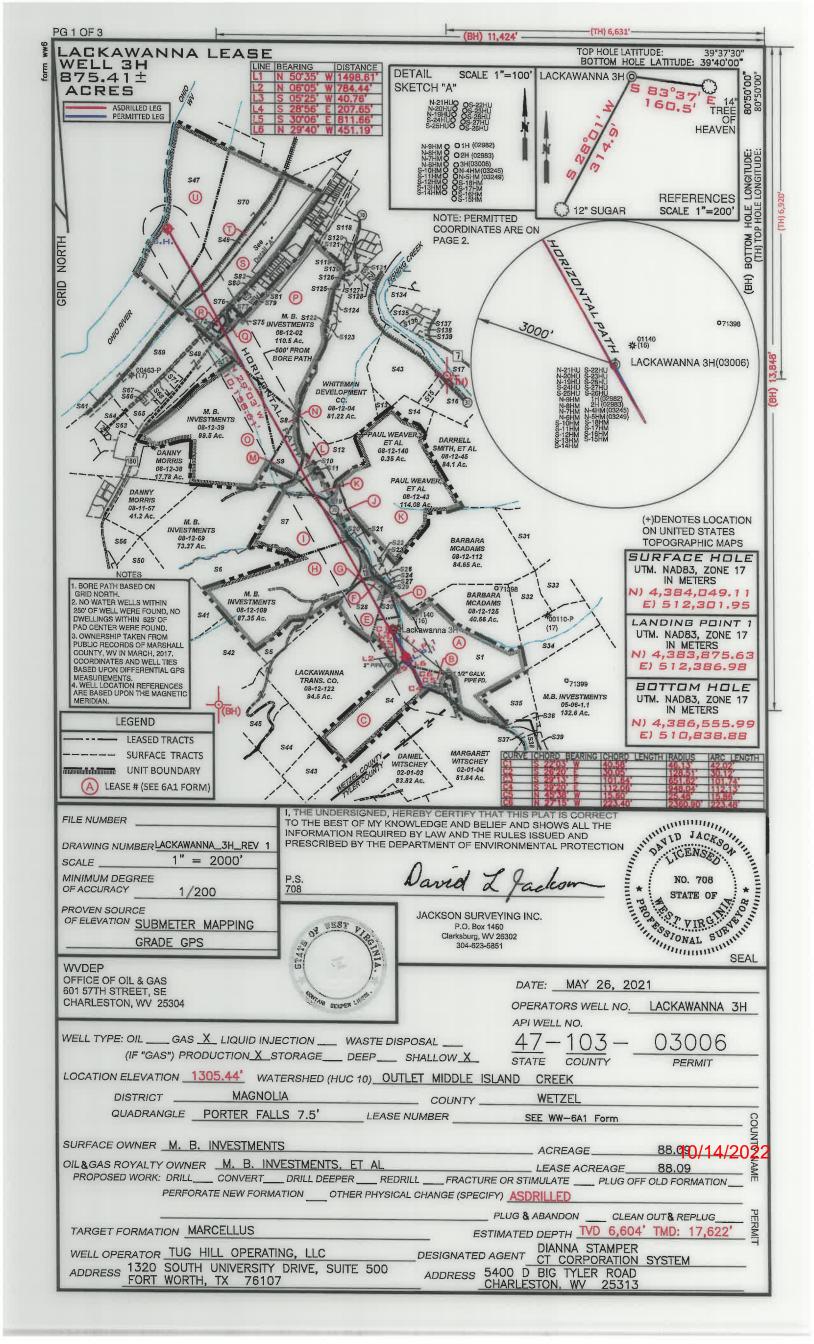
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	28.00000	0.01545	None
lexhib 166	Chemplex Solvay	Corrosion Inhibitor/Iron Control	"				
			Methanol	67-56-1	96.00000	0.00015	None
			Proargyl alcohol	107-19-7	3.00000	0.00000	None
			Formaldehyde	50-00-0	1.00000	0.00000	None
ther Chemical(s)	Listed Above	See Trade Name(s)					
and Gridinidal(5)	Listed Above	List	Data-lawa Distillata	04740 47.0	40.0000	0.00700	
no chomballo	Listed Above	List	Petroleum Distillate	64742-47-8	18.00000	0.00796	
	Listed Above	List	Petroleum Distillate Oleic Acid Diethanolamide	64742-47-8 93-83-4	18.00000 3,00000	0.00796 0.00133	
Ss.moui(s)	Listed Above	List		77			
	Listed Above	List	Oleic Acid Diethanolamide	93-83-4	3.00000	0.00133	
	Listed Above	List	Oleic Acid Diethanolamide Alcohols, C12-16, ethoxylated	93-83-4 68551-12-2	3.00000 2.00000	0.00133 0.00088	

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

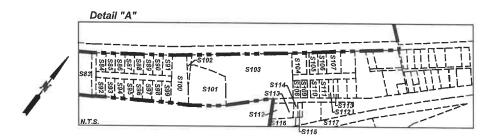
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



<sup>\*</sup> Total Water Volume sources may include fresh water, produced water, and/or recycled water \*\* Information is based on the maximum potential for concentration and thus the total may be over 100%



#### LACKAWANNA LEASE WELL 3H 875.41± ACRES



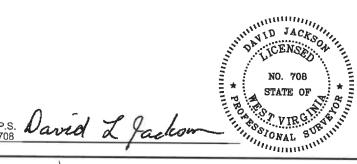
SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,384,049.34
E) 512,301.60

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,383,854.26
E) 512,396.85

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,386,556.16
E) 510,836.86

Office of Oil and Gas
SEP 3 0 2022

VIV Department of Environment and Protection



10/14/2022



DPERATOR'S
WELL #: LACKAWANNA 3H
DISTRICT: Magnolia
COUNTY: Wetzel
STATE: WV

API #: 47-103-03006

DATE: 05/26/2021

WELL PLAT

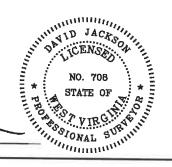
PAGE 2 OF 3

#### LACKAWANNA LEASE WELL 3H 875.41± ACRES

		CLIDEA OF OURIED	
	TAX MAP-PARCEL		ACRES
	08-12-134	M. B. Investments	88.09
S2	08-12-134.1	Raymond L. & Elizabeth Pibble	2.14
S3 (B)	08-12-134.3	M. B. Investments	5.55
	08-17-04	M. B. Investments	46.75
S5	08-12-109.1		
	08-12-109.1	M. B. Investments	10.0019
S6	08-12-108	M. B. Investments	24.0
S7 (I)	08-12-70	M. B. Investments	50.37
S8 (N)	08-12-14	Thomas & Helena McLaughlin	10.5
S9 (M)	08-12-40		
39 1	00-12-40	Timothy Doty & Helena	8.83
		McLaughlin	
S10 (L)	08-12-41	Michael A. & Annabelle Corbin	3.39
2.00		& Paul E. & Christine Weaver	0.00
S11	08-12-42	Shriver Cemetery	
S12		Shriver Cemetery	1.0
212	08-12-43.1	Michael A. & Annabelle Corbin	22.25
		& Paul E. & Christine Weaver	
S13	08-12-15	Michael A. & Annabelle Corbin	2.6
		& Paul E. & Christine Weaver	
514	08-12-44	Richard L. Armstrong	0.0
S15			8.0
	08-12-5.1	Michael & Joyce Durig	4.0
S16	08-12-16	Russell Dairymple, et al	11.87
S17	08-12-08	Calvin Dean Cross	14.96
518	08-12-17	Virgie E. Kuhns	1.25
S19 (J)	08-12-43.2	Michael A. & Annabelle Corbin	
313 9	JU-12-43.2	Pa Paul E & OLDER	7.25
000		& Paul E. & Christine Weaver	
S20	08-12-43.5	M. B. investments	8.774
S21	08-12-43.4	Michael A. & Annabelle Corbin	0.996
		& Paul E. & Christine Weaver	
S22	08-12-43.3	Corelding C. Core	017
		Geraldine C. Cross	0.13
S23	08-12-111	WV Conservation Comm.	1.0
S24	08-12-112.1	M. B. Investments	0.82
525 G	08-12-110	Lackawanna Transport Company	3.59
S26	08-12-72	Paul E. & Christine Weaver	
			0.50
S27 (F)	08-12-124	M. B. Investments	2.23
S28 (E)	08-12-123	Lackawanna Transport Company	18.55
S29	08-12-134.2	M. B. Investments	0.23
530 (0)	08-12-134.4	M. B. Investments	
	08-12-113	M. D. investments	3.51
S31		Jacob Presley Morgan III	16.30
S32	08-12-126	Jacob Presley Morgan III	16.06
S33	08-12-127	Jacob Presley Morgan III	10.0
S34	08-12-136	Jacob Presley Morgan III	28.25
S35	08-12-135	Torothy   11	
300	00-12-135	Timothy J. Haynes & Gary W. Woofter	21.0
		Gary W. Woofter	
S36	02-01-5.2	Mark K. & Teresa J. Loy	2.94
S37	02-01-5.3	Mark K. & Teresa J. Loy	1.939
S38	02-01-5.1	Mark K. & Teresa J. Loy	
S39		Mark K. at leresa J. Loy	4.56
	05-06-01	Mark K. & Teresa J. Loy	2.37
540	02-01-05	Daniel A. Witschey	21.5
S41	08-12-121	Charles E. & Mary Elizabeth	
			31.94
1	00 12 121	Clean	31.94
542		Clegg	
542	08-12-129	Clegg Charles E. &	31.94
	08-12-129	Clegg Charles E. & Mary Elizabeth Clegg	20.0
S42 S43		Clegg Charles E. & Mary Elizabeth Clegg	20.0
	08-12-129 08-12-05	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig	20.0
S43 S44	08-12-129 08-12-05 08-17-07	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company	20.0 30.5 21.37
S43 S44 S45	08-12-129 08-12-05 08-17-07 08-17-7.1	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company	20.0 30.5 21.37
S43 S44 S45 S46 ①	08-12-129 08-12-05 08-17-07 08-17-7.1	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad	20.0 30.5 21.37
S43 S44 S45	08-12-129 08-12-05 08-17-07 08-17-7.1	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad  State of WV, Department of	20.0 30.5 21.37
S43 S44 S45 S46 ①	08-12-129 08-12-05 08-17-07 08-17-7.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural	20.0 30.5 21.37
S43 S44 S45 S46 ①	08-12-129 08-12-05 08-17-07 08-17-7.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of	20.0 30.5 21.37
S43 S44 S45 S46 (1) S47 (1)	08-12-129 08-12-05 08-17-07 08-17-7.1 Ohio River	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad  State of WV, Department of Commerce, Division of Natural Resouces	20.0 30.5 21.37 25.64
S43 S44 S45 S46 (7) S47 (1)	08-12-129 08-12-05 08-17-07 08-17-7.1 Ohio River	Clegg  Charles E. & Mary Elizabeth Clegg  Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission	20.0 30.5 21.37 25.64
S43 S44 S45 S46 (1) S47 (1) S48 S48	08-12-129 08-12-05 08-17-07 08-17-7.1 Ohio River Rt 180 08-12-106	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell	20.0 30.5 21.37 25.64
S43 S44 S45 S46 (1) S47 (1) S48 S49 S50	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell	20.0 30.5 21.37 25.64
S43 S44 S45 S46 (1) S47 (1) S48 S48	08-12-129 08-12-05 08-17-07 08-17-7.1 Ohio River Rt 180 08-12-106	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell	20.0 30.5 21.37 25.64
S43 S44 S45 S46 (1) S47 (1) S48 S49 S50	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams &	20.0 30.5 21.37 25.64 15.96 15.96 14.04
S43 S44 S45 S46 (1) S47 (1) S48 S49 S50 S56	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61
S43 S44 S45 S46 (7) S47 (1) S48 S49 S50 S56	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61
S43 S44 S45 S46 (7) S47 (1) S48 S49 S50 S56 S61 S62	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83
S43 S44 S45 S46 (7) S47 (1) S48 S48 S49 S50 S56 S61 S62 S63	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-19  08-11-41	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61
S43 S44 S45 S46 (1) S47 (1) S48 S49 S50 S56 S61 S62 S63 S64	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-41  08-11-35	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.83
S43 S44 S45 S46 (7) S47 (1) S48 S48 S49 S50 S56 S61 S62 S63	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-41  08-11-35	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 5.9
S43 S44 S45 S46 (1) S47 (1) S48 S49 S50 S56 S61 S62 S63 S64 S65	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-39.1  08-11-35  08-12-11	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64
S43 S44 S45 S46 (7) S47 (1) S48 S49 S50 S56 S61 S62 S63 S64 S65 S66	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-41  08-11-35  08-12-11  08-12-11	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$65 \$66 \$67	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-41  08-11-35  08-12-11  08-12-11.1  08-12-11.3	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807
\$43 \$44 \$45 \$46 \$47 \$47 \$48 \$48 \$49 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$65 \$66 \$66 \$67 \$68	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-35  08-12-11  08-12-11  08-12-11.3  08-12-11.3	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr.	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$65 \$66 \$67	08-12-129  08-12-05  08-17-07  08-17-7.1  Ohio River  Rt 180  08-12-106  08-12-106.1  08-11-61  08-11-19  08-11-39.1  08-11-41  08-11-35  08-12-11  08-12-11.1  08-12-11.3	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr.	20.0 30.5 21.37 25.64 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$56 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$65 \$66 \$67 \$68 \$69	08-12-129  08-12-05 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-19 08-11-39.1 08-11-41 08-11-35 08-12-11 08-12-11.1 08-12-11.1 08-12-11.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 5.9 6.64 0.25 0.807 1.94 50.71
\$43 \$44 \$45 \$45 \$46 (1) \$47 (1) \$48 \$49 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$65 \$66 \$67 \$68 \$69 \$70 (8)	08-12-129  08-12-05 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-39 08-11-41 08-11-35 08-12-11 08-12-11.1 08-12-11.3 08-12-11.3 08-12-11.4 08-12-01 08-07-105	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 1.83 1.64 1.64 1.
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$56 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$65 \$66 \$67 \$68 \$69	08-12-129  08-12-05 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-19 08-11-39.1 08-11-41 08-11-35 08-12-11 08-12-11.1 08-12-11.1 08-12-11.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 5.9 6.64 0.25 0.807 1.94 50.71
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$69 \$70	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61 08-11-9 08-11-35 08-12-11 08-12-11 08-12-11.3 08-12-11.3 08-12-11.4 08-12-01 08-07-105 08-12-11.2	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 1.83 1.64 1.64 1.
\$43 \$44 \$45 \$46 \$47 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$69 \$70 \$71	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-19 08-11-39.1 08-11-41 08-11-35 08-12-11 08-12-11.3 08-12-11.3 08-12-11.3 08-12-11.4 08-12-01 08-07-105 08-12-11.2	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus	20.0 30.5 21.37 25.64 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811
\$43 \$44 \$45 \$46 \$47 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$69 \$70 \$71	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61 08-11-19 08-11-39.1 08-11-41 08-11-35 08-12-11.1 08-12-11.3 08-12-11.4 08-12-11.3 08-12-11.4 08-12-01 08-07-105 08-12-11.2	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18
\$43 \$44 \$45 \$45 \$46 (1) \$47 (1) \$48 \$49 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$69 \$70 (8) \$71 \$72 \$73 (8)	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-9 08-11-41 08-11-35 08-12-11 08-12-11.1 08-12-11.3 08-12-11.4 08-12-11.5 08-12-11.4 08-12-11.5 08-12-11.5 08-12-11.5 08-12-11.5 08-12-11.5 08-12-11.5 08-12-11.5 08-12-11.5	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments Department of Public Safety	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18 1.37
\$43 \$44 \$45 \$45 \$46 (7) \$47 (0) \$48 \$49 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$59 \$70 (8) \$71 \$72 \$73 (8) \$75 (0)	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-39.1 08-11-39.1 08-11-35 08-12-11.1 08-12-11.3 08-12-11.3 08-12-11.4 08-12-01 08-07-105 08-12-11.2	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments Department of Public Safety H. Lee Scott Jr.	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18 1.37 1.110
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$85 \$66 \$67 \$68 \$69 \$70 \$571 \$72 \$73 \$69 \$75 \$69 \$75 \$69 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75	08-12-129  08-12-05 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-19 08-11-35 08-12-11 08-12-11.3 08-12-11.1 08-12-11.3 08-12-11.2 08-12-01 08-07-105 08-12-13 08-12-13 08-12-13 08-12-13 08-12-13 08-07-87.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments Department of Public Safety H. Lee Scott Jr.	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18 1.37 1.110 0.95
\$43 \$44 \$45 \$45 \$46 (7) \$47 (0) \$48 \$49 \$50 \$56 \$61 \$62 \$63 \$64 \$65 \$66 \$67 \$68 \$59 \$70 (8) \$71 \$72 \$73 (8) \$75 (0)	08-12-129  08-12-05 08-17-07 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-39.1 08-11-39.1 08-11-35 08-12-11.1 08-12-11.3 08-12-11.3 08-12-11.4 08-12-01 08-07-105 08-12-11.2	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments Department of Public Safety H. Lee Scott Jr.	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18 1.37 1.110 0.95
\$43 \$44 \$45 \$46 \$47 \$47 \$50 \$50 \$56 \$61 \$62 \$63 \$64 \$85 \$66 \$67 \$68 \$69 \$70 \$571 \$72 \$73 \$69 \$75 \$69 \$75 \$69 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75	08-12-129  08-12-05 08-17-07 08-17-7.1  Ohio River  Rt 180 08-12-106 08-12-106.1 08-11-61  08-11-19 08-11-35 08-12-11 08-12-11.3 08-12-11.1 08-12-11.3 08-12-11.2 08-12-01 08-07-105 08-12-13 08-12-13 08-12-13 08-12-13 08-12-13 08-07-87.1	Clegg Charles E. & Mary Elizabeth Clegg Michael Lloyd & Joyce Diana Durig Lackawanna Transport Company Lackawanna Transport Company CSX Railroad State of WV, Department of Commerce, Division of Natural Resouces State Road Commission Thomas C. Pennell Thomas R. & Tamera D. Pennell Hunter B. McAdams & Doug McAdams Lisa Straight & Edwin Rial William L. & Beulah Talkington A+A Supply, LLC Lisa Straight & Edwin Rial Calvin T. Hedrick Larry D. McCaman Larry McCaman Paul Andrew James Simmons, Jr. Mount Clare Properties, Inc Mount Clare Properties, Inc Ascent Resources Marcellus Minerals, LLC M. B. Investments Department of Public Safety H. Lee Scott Jr.	20.0 30.5 21.37 25.64 15.96 15.96 14.04 7.61 6.3 1.83 1.63 5.9 6.64 0.25 0.807 1.94 50.71 116.08 1.811 8.18 1.37 1.110 0.95

S78 S79 S80			ACRES
	08-07-88	Living Quarters, LLC	1.08
	08-07-89.3	Living Quarters, LLC	0.94
	08-07-89.2	Barbara S. Nice	0.89
S81	08-07-89	Barbara S. Nice	0.40
S82	08-07-89.1	Barbara S. Nice	
			0.40
S83	08-07-90	Barbara Shank	0.70
S84	08-07-91	Dennis Phillips	0.20
S85	08-07-92	Karen D. Pugh	
	00-07-92	Kulen D. Fugn	0.20
S86	08-07-93	Darrell S. & Diana Lynn Hartwig	0.20
S87	08-07-94	Ronald D. & Carole Dawson	0.21
S88			
300	080795	Debra Barrile, (Leslie L. Debolt,	0.21
		land contract)	
S89	08-07-96	Rita E. Barrick	0.21
S90			
280	08-07-102	Michael Vaughn Skeen &	0.22
		Patricia Ann Sawyer	
S91	08-07-103.1	Charlotte M. Adams	0.22
S92	08-07-97		
		David Ray Christian	0.20
S93	08-07-98	David Ray Christian	0.20
S94	08-07-98.1	Lionel Kent, Helen A. Potts &	0.20
	00 0, 30,		0.20
		Deloris Potts (Life)	
S95	08-07-99	Lionel Kent, Helen A. Potts &	0.20
		Deloris Potts (Life)	20
202	00 07 100	Delotis Fotts (Life)	
S96	08-07-100	James J. & Carol Clark	0.21
S97	08-07-101	Doris A. Fannin & Richard S.	0.21
	3. 101	Williamson	U.Z I
000	00.5		
S98	08-07-102.1	Ronald E. Jr. & Lori J McCoy	0.21
S99	0807-103	Michael L. & Joyce D. Duria	0.21
S100			
	08-07-104	Lisa Denise Bridge	0.12
S101	08-07-106.1	Tiona Henthorn	1.49
S102	08-07-104.1	Lisa Denise Bridge	
		Lisa Dellise Bridge	0.06
S103	08-07-106	Route 2 South, LLC	4.33
S104	08-07-107	Route 2 South, LLC	0.36
S105	08-07-108	Donald W. Owens, Jr.	
		Donald W. Owens, Jr.	0.21
S106	08-07-109	Douglas E. & Amber L. Straight	0.21
S107	08-07-110	Allen R. & Malinda J. Laugh	0.34
S108	08-07-114	William & Ruth Leek	
			0.14
S109	08-07-115	William J. Leek	0.14
S110	0807-116	Betty J. Yoho (Life),	0.20
•		Decty of Tollo (Life),	0.20
0444		Sandra M. Hardman	
S111	08-07-117	Jerry W. & Elizabeth Southerly	0.21
S112	08-07-123.1	William & Ruth Ann Leek	0.23
		William C. D. U. A. H. LOOK	
S113	08-07-123.2	William & Ruth Ann Leek	0.01
S114	08-07-124	William & Ruth Ann Leek	0.08
S115	08-07-125	William & Ruth Ann Leek	
		William of Kath Ann Leek	0.07
S116	08-07-129	Mary Burton, et al	1.10
S117	08-07-127	William Sherman & Ruth Ann Leek	0.40
S118	08-07-131.3	Nancy J. Todd	
		Ed W 1000	9.726
S119	08-07-131.1	Edgar W. Whiteman, Jr.	1.25
S120	08-07-131.4	Nancy J. Todd	0.989
S121		112.127 01 1000	0.303
<b>₩141</b>		0.7 0.04	
0400	00 45 4		
S122	08-12-03	O. Terrell Coffield Family Trust I	0.98
		O. Terrell Coffield Family Trust	0.98
S122 S123	08-12-03 08-12-4.1	Whiteman Development Co., LLC	2.59
S123	08-12-4.1	Whiteman Development Co., LLC & PRN, LLC	2.59
		Whiteman Development Co., LLC & PRN, LLC	2.59
S123 S124	08-12-4.1 08-07-142	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger	2.59
S123 S124 S125	08-12-4.1 08-07-142 08-07-142.1	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W. II & Teena B. Emch	2.59 1.35 1.35
S123 S124 S125 S126	08-07-142 08-07-142.1 08-07-160	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr.	2.59
S123 S124 S125	08-07-142 08-07-142.1 08-07-160	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr.	2.59 1.35 1.35 1.28
S124 S125 S126 S127	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al	2.59 1.35 1.35 1.28 5.58
S123 S124 S125 S126 S127 S128	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost	2.59 1.35 1.35 1.28 5.58 1.0
S123 S124 S125 S126 S127 S128 S129	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell	2.59 1.35 1.35 1.28 5.58
S123 S124 S125 S126 S127 S128	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell	2.59 1.35 1.35 1.28 5.58 1.0 2.25
S123 S124 S125 S126 S127 S128 S129 S130	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836
S123 S124 S125 S126 S127 S128 S129 S130 S131	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, II & Teena B. Emch  Frank L. Price, Jr.  Roger Hall, et al  Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak	2.59 1.35 1.35 1.28 5.58 1.0 2.25
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137.1 08-07-137.1	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, Il & Teena B. Emch  Frank L. Price, Jr.  Roger Hall, et al  Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak  Lois J. Day	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137.1 08-07-137.1	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, Il & Teena B. Emch  Frank L. Price, Jr.  Roger Hall, et al  Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak  Lois J. Day	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145 08-07-145.5	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, Il & Teena B. Emch  Frank L. Price, Jr.  Roger Hall, et al  Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak  Lois J. Day  Jodi Forni	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145 08-07-145.5	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65
\$123 \$124 \$125 \$125 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$135	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.3 08-07-145.2	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
\$123 \$124 \$125 \$125 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$135	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.3 08-07-145.2	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, Il & Teena B. Emch  Frank L. Price, Jr.  Roger Hall, et al  Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak  Lois J. Day  Jodi Forni  Jodi Forni  David J. Jackson,(Life), James  & Ruth Jackson,	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$135 \$135 \$135 \$135 \$137	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.2 08-12-06	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger  Thomas W, Il & Teena B. Emch Frank L. Price, Jr.  Roger Hall, et al Dominic D. Yost  Donald J. & Debby J. Powell  462 Properties, LLC  Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson  David J. Jackson, (Life), James	2.59 1.35 1.25 1.25 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
\$123 \$124 \$125 \$125 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$135	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.3 08-07-145.2	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$135 \$135 \$135 \$135 \$137	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.2 08-12-06	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James	2.59 1.35 1.25 1.25 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144  08-07-144.1  08-07-137  08-07-137.1  08-07-145.5  08-07-145.5  08-07-145.2  08-12-06	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, Il & Teena B. Ernch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$135 \$135 \$135 \$135 \$137	08-12-4.1 08-07-142 08-07-142.1 08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.5 08-07-145.2 08-12-06	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson William Sherman &	2.59 1.35 1.25 1.25 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813
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\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138	08-12-4.1  08-07-142 08-07-142.1  08-07-160 08-07-144 08-07-143 08-07-144.1 08-07-137 08-07-137.1 08-07-145.5 08-07-145.2  08-12-06  08-12-07	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost  Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson  David J. Jackson,(Life), James & Ruth Jackson  David J. Jackson,(Life), James & Ruth Jackson  William Sherman & Ruth Ann Leek	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$139 \$140	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144  08-07-143  08-07-143  08-07-137  08-07-137  08-07-145  08-07-145.5  08-07-145.2  08-12-06  08-12-07  08-07-126	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr.	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$137 \$138 \$139 \$140 \$141 \$142	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144.0  08-07-144.1  08-07-137.1  08-07-137.1  08-07-145.5  08-07-145.3  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-126	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Ernch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr.	2.59 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$139 \$140	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144  08-07-143  08-07-137  08-07-137  08-07-145  08-07-145.5  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-117.1	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Lauah	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$136 \$137 \$138 \$139 \$140 \$141 \$142 \$143	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144  08-07-144  08-07-143  08-07-137  08-07-145  08-07-145.5  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-119  08-07-119	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, Il & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Lauah	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$135 \$136 \$137 \$138 \$139 \$140 \$141 \$142 \$142 \$143 \$144	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144  08-07-144  08-07-143  08-07-137  08-07-137.1  08-07-145  08-07-145.5  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-111  08-07-111  08-07-110	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson David J. Jackson,(Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$140 \$141 \$142 \$143 \$144 \$144 \$145	08-12-4.1  08-07-142  08-07-142.1  08-07-140  08-07-144  08-07-144  08-07-143  08-07-137  08-07-137.1  08-07-145  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence Charles D. & Shirley L. White	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$140 \$141 \$142 \$143 \$144 \$144 \$145	08-12-4.1  08-07-142  08-07-142.1  08-07-140  08-07-144  08-07-144  08-07-143  08-07-137  08-07-137.1  08-07-145  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110  08-07-110	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence Charles D. & Shirley L. White	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51 0.17
\$123 \$124 \$125 \$126 \$127 \$128 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$139 \$140 \$141 \$142 \$143 \$145 \$145 \$145 \$145 \$145 \$146 \$146	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144.0  08-07-144.1  08-07-137.1  08-07-137.1  08-07-145.3  08-07-145.3  08-07-145.3  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-112  08-07-111  08-07-112  08-07-113	Whiteman Development Co., LLC & PRN, LLC  Pamela E. Weisenbarger Thomas W, II & Teena B. Ernch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell  462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence Charles D. & Shirley L. White	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51 0.17 0.60
\$123 \$124 \$125 \$126 \$127 \$128 \$129 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$139 \$140 \$141 \$142 \$143 \$144 \$145 \$145 \$144 \$145 \$146 \$147	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144.0  08-07-144.1  08-07-144.1  08-07-137.1  08-07-145.5  08-07-145.3  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-112  08-07-113  08-07-113  08-07-113  08-07-113	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Ernch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence Charles D. & Shirley L. White Joe's Tire III, LLC Moser & Moser Associates, Inc.	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51 0.17
\$123 \$124 \$125 \$126 \$127 \$128 \$130 \$131 \$134 \$135 \$136 \$137 \$138 \$139 \$140 \$141 \$142 \$143 \$145 \$145 \$145 \$145 \$145 \$146 \$146	08-12-4.1  08-07-142  08-07-142.1  08-07-160  08-07-144.0  08-07-144.1  08-07-137.1  08-07-137.1  08-07-145.3  08-07-145.3  08-07-145.3  08-07-145.2  08-12-06  08-12-07  08-07-126  08-07-112  08-07-111  08-07-112  08-07-113	Whiteman Development Co., LLC & PRN, LLC Pamela E. Weisenbarger Thomas W, II & Teena B. Emch Frank L. Price, Jr. Roger Hall, et al Dominic D. Yost Donald J. & Debby J. Powell 462 Properties, LLC Anna E. McPeak Lois J. Day Jodi Forni Jodi Forni Jodi Forni David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson David J. Jackson, (Life), James & Ruth Jackson William Sherman & Ruth Ann Leek Donald L. Larsen, Jr. Joshua D. Larsen, Jr. Allen R. & Malinda J. Laugh William D. Lawrence Charles D. & Shirley L. White Joe's Tire III, LLC Moser & Moser Associates, Inc.	2.59 1.35 1.35 1.28 5.58 1.0 2.25 1.836 0.94 8.008 3.65 2.641 0.813 1.74 0.35 0.30 0.21 0.22 0.34 1.51 0.17 0.60

Number TAX MAP-PARCEL SURFACE OWNER



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Office of Oil and Gas

SEP 3 0 2022

WV Department of Environmental Protection

10/14/2022



DPERATOR'S WELL #: LACKAWANNA 3H DISTRICT: Magnolia

COUNTY:\_ Wetzel

STATE: WV

API #: <u>47-103-03006</u>

WELL PLAT

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DATE: 05/26/2021