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

RECEIVED Office of Oil and Gas

JUL 3 2017

WV Department of Environmental Protection

API 47 069 002	205 County OHIO	Dist	rict LIBERTY	
Quad BETHANY		WN COUCH-OHI-PAD1 Field		ANHANDLE FIELD
Farm name SHAWN W. CC		We	Il Number SH	AWN COUCH OHI 6F
	he OOG) SWN PRODUCT	ION COMPANY, LLC		
Address PO BOX 12359	City SP		State TX	Zip 77391-2359
As Drilled location NAD 8.  Top ho	ole Northing 4,444,243.093		535,035.664	
Landing Point of Cur			534,961.406	
Bottom Ho	ole Northing 4,441,410.236	Easting	535,748.343	
Elevation (ft) 1247' Permit Type   Deviated			Type of Report Depth Type	□Interim ■Final  □ Deep ■ Shallo
	t 🗅 Deepen 💄 Drill		□ Rework	■ Stimulate
Well Type □ Brine Disposal	□ CBM ■ Gas □ Oil □ Se	condary Recovery   Solution	on Mining   S	torage   Other
Γype of Completion ■ Singl	e   Multiple Fluids Prod	uced Brine Gas	NGL □ Oil	□ Other
	Rotary			
Production hole Air IN  Mud Type(s) and Additive(s)  SOBM		ne .		
Date permit issued01/21		nmenced 09/24/2016	_ Date drilling	cassed 10/26/2016
Date completion activities beg	03/07/2017			ceased
Pate completion activities beg	gan 03/07/2017	Date completion activitie	s ceased	04/09/2017
	gan		s ceased Granted by	ceased
/erbal plugging (Y/N)	gan	ed N/A	Granted by	04/09/2017 N/A
Verbal plugging (Y/N)	Date permission grants	edN/A( cation within 5 days of verba	Granted by	04/09/2017 N/A
Verbal plugging (Y/N)  Please note: Operator is requestreshwater depth(s) ft	N Date permission granter ired to submit a plugging application 299'	edN/A ( cation within 5 days of verba  Open mine(s) (Y/N) depth	Granted by	04/09/2017 N/A
Verbal plugging (Y/N)  Please note: Operator is requestreshwater depth(s) ft  Salt water depth(s) ft	Date permission grantering ired to submit a plugging application of the property of the proper	ocation within 5 days of verbath open mine(s) (Y/N) depth Void(s) encountered (Y/N)	Granted by	04/09/2017 N/A plug
Verbal plugging (Y/N)	Date permission grantering ired to submit a plugging application and the submit as a submit a plugging application and the submit as a submit	edN/A ( cation within 5 days of verba  Open mine(s) (Y/N) depth	Granted by	04/09/2017 N/A plug

Rev. 8/23/13									
API 47- 069	- 00205	Farm nai	ne_SHAWN	w. coud	H TRUS	STWell n	umber_SH	AWN (	COUCH OHI 6H
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket epth(s)		nent circulate (Y/N) ide details below*
Conductor	28	20	126	NEW		55/94#	pui(3)		BBLS RETURNED
Surface	17.5	13.375	409	NEW	<del>                                     </del>	10/48#		+	BBLS RETURNED
Coal	SEE INTERMEDIATE	10.070	100	1,1211		10/10//		<del>  ''=</del>	
Intermediate 1	12.25	9.625	1871	NEW	J-5	55/36#	<u> </u>	Y; 40	BBLS RETURNED
Intermediate 2									
Intermediate 3								1	-
Production	8.75/8.50	5.5	15412	NEW	P-1	10/20#			Y
Tubing		2.375	6625	NEW	P-1	10/4.7#		<b>—</b>	N
Packer type and d	epth set		<del>-</del>	<u> </u>	<u> </u>				
Comment Details									
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slum wt (p	,	Yield ft ³/sks)	Volume	Ceme Top (N		WOC (hrs)
Conductor	CLASS A	435	15.7		1.29	100	SURF		24
Surface	CLASS A	410	15.6	30	1.20	492	SURF	ACE	8
Coal	SEE INTERMEDIA	TE							-
Intermediate 1	CLASS A	435	15.6	60	1.20	522	SURF	ACE	8
Intermediate 2									
Intermediate 3									
Production	CLASS A	905/1930	15.6	60 1.:	23/1.19	1113.15/2296.	7 SURF	ACE	24
Tubing									
Drillers TD (f	15,412'		•	Loggers 7	ΓD ( <del>fl</del> ) 15,	,412'			
•	ation penetrated	MARCELLUS		Plug back				BEC	EIVED
Plug back pro	• -							Office of	CEIVED Oil and Gas
								JUL	<del>3 2017</del>
Kick off depth	ı (ft) <u>5,344'</u>						Env	_	artment of htal Protection
Check all wire	eline logs run	<ul><li>■ caliper</li><li>■ neutron</li></ul>	<ul><li>■ density</li><li>■ resistivity</li></ul>		ted/directi na ray		luction nperature	□soni	ic
Well cored	⊃Yes ∄ No	Conventio	nal Side	wall	W	ere cuttings o	collected [	Yes	■ No
DESCRIBE T	HE CENTRALIZ	ZER PLACEME	NT USED FO	OR EACH C	ASING S	TRING			
SURFACE: 7 CENTE	RALIZERS - EVERY THIRE	JOINT OF CASING							
	CENTRALIZERS - EVER			- OUD /		10.71 70			
PRODUCTION: 181	CENTRALIZERS - EVER	THIRD JOINT FROM S	URFACE TO TOP O	F CURVE, IMEN I	EVERY JOINT	UNTIL ID			
WAS WELL	COMPLETED A	S SHOT HOLE	□ Yes 🛔	No D	ETAILS				
WAS WELL	COMPLETED O	PEN HOLE?	□ Yes ■ N	lo DET	`AILS _				
WERE TRAC	ERS USED	Yes ■ No	TYPE OF T	RACER(S)	USED				

API 4	<sub>17-</sub> 069 _	00205	Farm name SHAWN W. COUCH TI	RUST Well number	SHAWN COUCH OHI 6H
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#### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMEN面	1		
			***		
	-				
			•		
		· · · · · ·			
				<u>.                                    </u>	
<b></b>			····		
	<u></u>	_l			

Please insert additional pages as applicable.

### STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	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)
		SEE	ATTACHMEN		10.1. (1.01)	Troppunt (100)		,,
							R	ECEIVED of Oil and Gas
							Office	of Oil and Gas
							JUL	<b>3</b> 2017
							WV D	epartment of ental Protection
							Environm	ental Protectio

Please insert additional pages as applicable.

API 47- 069	_ 00205	Farm 1	name_SHAWN	W. COUCH	H TRUST	Well nu	mber_	SHAWN CO	OUCH OHI 6
PRODUCING	FORMATION(S	<u>s)</u> _	<u>DEPTHS</u>						
MARCELLUS			6,182.53'	_TVD _6,	601.25'	MD			
	···								
Please insert ad	ditional pages a	s applicable.							
GAS TEST	□ Build up □	Drawdown	□ Open Flow	Ol	LTEST of	Flow 🗆 I	Pump		
SHUT-IN PRE	SSURE Surfa	ace 1350	_psi Botto	m Hole	psi	DURATI	ON O	F TEST	hrs
OPEN FLOW		Oil pdl	NGL bpd	bpd					□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD				RECORD QUAN ER, BRINE, OIL	NTITYAND , GAS, H₂S, ETC)
	0	4774011145117	0						
	SEE	ATTACHMENT	3						
- · · · · · · · · · · · · · · · · · · ·								Office	RECEIVED e of Oil and Gas
					-				
	<del> </del>								L 3 2017
					<del></del>	_	-	_ wi	Department of mental Protection
								Environ	nental Protection
Please insert ac	lditional pages a	s applicable.	<u> </u>					-	
Drilling Contra	ctor SWN DRIL	LING COMPAN	ΙΥ						
Address PO BO	X 12359		City	SPRING		State _	TΧ	Zip 77391	-2359
		EODD.	·						
Logging Comp	any WEATHERS	PORD	City	HOUSTON		State	тх	Zip 77056	<b>,</b>
				110001011		_ State _		Zip	
Cementing Cor	npany SCHLUM	BERGER WEL	L SERVICES						
Address 110 SC	CHLUMBERGER D	RIVE	City	SUGAR LANI	)	State _	TX	Zip <u>77478</u>	
Stimulating Co	mpany HALLIE	BURTON ENER	RGY SERVICES						
	MILNER ROAD, G		City	HOUSTON		State	TX	Zip _77032	
Please insert ac	lditional pages a	s applicable.				-			
Commission 1	. DENISE GRAN	ТНДМ			Т-11	832-706-6	130		
Signature D	DENISE GRAN	antha	MA Title R	EGULATORY T	Telephone ECHNICIAN	502-7-50-C	ate 6/	30/2017	
~.b	41.0041	WIVI W	PPW THIC						

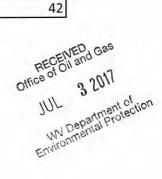
 Well Name:
 SHAWN COUCH OHI 6H
 47069002050000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	N/A	N/A	299.00	299.00	
Top of Salt Water	672.00	672.00	N/A	N/A	
Pittsburgh Coal	465.00	465.00	473.00	473.00	
Big Injun (ss)	1700.00	1699.86	1813.00	1812.85	
Berea (siltstone)	2118.00	2117.81	5662.83	5603.00	· · · · · · · ·
Rhinestreet (shale)	5662.83	5603.00	5975.57	5864.68	
Cashaqua (shale)	5975.57	5864.68	6050.94	5918.85	
Middlesex (shale)	6050.94	5918.85	6152.04	5986.21	
Burket (shale)	6152.04	5986.21	6187.31	6008.43	
Tully (Is)	6187.31	6008.43	6270.35	6057.38	
Mahantango (shale)	6270.35	6057.38	6601.25	6182.53	
Marcellus (shale)	6601.25	6182.53	N/A	N/A	GAS

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### SHAWN COUCH OHI 6H PERF SUMMARY

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	3/8/2017	15,108	15,302	42
2	3/8/2017	14,852	15,046	
3	3/8/2017	14,596	14,790	51
	3/9/2017	14,340	14,534	42
5	3/9/2017	14,084	14,278	42
6	3/9/2017	13,828	14,022	42
7	3/9/2017	13,572	13,766	42
8	3/9/2017	13,316	13,510	42
9	3/9/2017	13,060	13,254	42
10	3/10/2017	12,804	12,998	42
11	3/10/2017	12,548	12,742	42
12	3/10/2017	12,292	12,486	42
13	3/10/2017	12,036	12,230	42
14	3/11/2017	11,780	11,974	42
15	3/11/2017	11,524	11,718	42
16	3/11/2017	11,268	11,462	42
17	3/11/2017	11,012	11,206	42
18	3/12/2017	10,756	10,950	42
19	3/12/2017	10,500	10,694	42
20	3/12/2017	10,244	10,438	42
21	3/12/2017	9,988	10,182	42
22	3/13/2017	9,732	9,926	42
23	3/13/2017	9,476	9,670	42
24	3/13/2017	9,220	9,414	42
25	3/14/2017	8,964	9,158	42
26	3/14/2017	8,708	8,902	42
27	3/14/2017	8,452	8,646	42
28	3/14/2017	8,196	8,390	42
29	3/15/2017	7,940	8,134	42
30	3/15/2017	7,684	7,878	42
31	3/15/2017	7,428	7,622	42
32				
33				
34	3/16/2017	6,660	6,854	42



## SHAWN COUCH OHI 6H FRAC STAGE SUMMARY

STAGE			Ave Pump	Ave Treatment	Max Breakdown			Amount of water	
NUM	Sti	m Date	Rate (BPM)	Pressure (PSI)		. ,			nitrogen/other
<u></u>	1_	3/8/2017			8,321		498,940	9,002	
	2	3/8/2017		7,822	8,368		501,140		
	3	3/8/2017		7,850	8,647	4,374	499,800		
	4	3/9/2017	100	7,971	8,596		500,000		
	5	3/9/2017	100	7,505	8,346				
	6	3/9/2017	100	8,020	8,417	4,387	501,080		
	7	3/9/2017	100	7,996	8,513	4,377	499,960	7,466	
	8	3/9/2017	100	7,812	8,406	4,469	496,660	7,443	
	9	3/9/2017	100	7,910	8,621	4,514	500,100	7,334	
	10	3/10/2017	100	7,897	8,166	3,854	502,580	7,295	
	11	3/10/2017	100	7,789	8,352	4,151	501,940	7,224	
	12	3/10/2017	100	7,996	8,394	4,200	501,000	7,199	
	13	3/10/2017	101	7,704	8,328	4,245	5,000,060	7,353	
	14	3/11/2017	100	7,859	8,344	4,326	501,820	7,276	
	15	3/11/2017	100	7,722	8,054	4,209	500,120	7,217	
	16	3/11/2017	100	7,800	8,190	4,305	499,660	7,288	
	17	3/11/2017	100	7,649	8,350	4,226	500,240	7,401	
	18	3/12/2017	100	7,569	8,260	4,124	507,480	7,377	
	19	3/12/2017	100	7,474	8,388	4,167	500,620	7,353	
	20	3/12/2017	100	7,299	8,564	4,092	499,160	7,229	
	21	3/12/2017	101	7,524	8,482	4,057	500,220	7,294	
	22	3/13/2017	100	6,929	7,186	4,011	499,240	6,999	
	23	3/13/2017	101	7,464		4,091	508,640	7,021	
	24	3/13/2017	100	7,474			500,060	6,895	
	25	3/14/2017	100	6,865	7,358	4,020	502,620	6,955	
	26	3/14/2017	99			4,012	509,771	6,923	
	27	3/14/2017	100	7,552	7,850	4,047	500,070	6,785	-
	28	3/14/2017	100	7,169	8,035	4,252	500,151	7,316	
	29	3/15/2017			7,664		499,376	6,967	
	30	3/15/2017			8,088				
	31	3/15/2017			7,298				
	32	3/15/2017			7,384				
	33	3/15/2017				<u> </u>			
	34	3/16/2017							

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Environmental Protection

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

Job Start Date:	3/9/2017
Job End Date:	3/16/2017
State:	West Virginia
County:	Ohio
API Number:	47-069-00205-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Shawn Couch OHI 6H
Latitude:	40.14780200
Longitude:	-80.58866500
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,304
Total Base Water Volume (gal):	10,192,616
Total Base Non Water Volume:	0







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

WV Department of Environmental Protection

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
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	82.12309	Density = 8.340
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	1.35801	

HYDROCHLORI C ACID	Halliburton	Solvent					
				Listed Below			
SAND- PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
HAI-150E	Halliburton	Corrosion Inhibitor					
				Listed Below			
EC6486A	Nalco Champion	Scale Inhibitor					
				Listed Below			
Bactron K-219	Nalco Champion	Biocide					
				Listed Below			16
SAND-COMMON WHITE - 100 MESH, 3307 LB BAG	Halliburton	Proppant				RE Office o	CEIVED of Oil and Gas
				Listed Below		JUL	L COURT
FDP-S1176-15	Halliburton	Friction Reducer				WV D Environn	epartment of ental Protection
				Listed Below			
Items above are Tr	ade Names with the	exception of Base Wa	ater . Items below are the ind		S. Shanis		
			Crystalline silica, quartz	14808-60-7	100.00000	16.46895	
			Hydrochloric acid	7647-01-0	30.00000	0.79121	
			Polyacrylate	Proprietary	30.00000	0.01966	

Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01966	
Methanol	67-56-1	60.00000	0.01112	
Quarternary Ammonium Compounds, Benzyl-C12 -16-Alkyldimethyl, Chlorides	68424-85-1	30.00000	0.00556	
Castor oil, ethoxylated	61791-12-6	5.00000	0.00328	
Sobitan, mono-9- octadececenoate, (Z)	1338-43-8	5.00000	0.00328	
Sodium chloride	7647-14-5	5.00000	0.00328	
9-Octadecenamide, n,n-bis-2(hydroxy-ethyl)-,(Z)	93-83-4	5.00000	0.00328	
Ammonium chloride	12125-02-9	5.00000	0.00328	
Amine Triphosphate	Proprietary	30.00000	0.00152	
Ethylene Glycol	107-21-1	30.00000	0.00152	
Non-hazardous food substance	Proprietary	100.00000	0.00013	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226

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)

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<sup>\*</sup> Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

L:\050-5635-SHAWN COUCH WELL PLATS-SOUTHWESTERN-\SURVEY\AS-DRILLED\SHAWN COUCH OHI 6H AS-DRILLED 02-14-2017.DWG
FRIDAY APRIL 28 2017 10:21AM

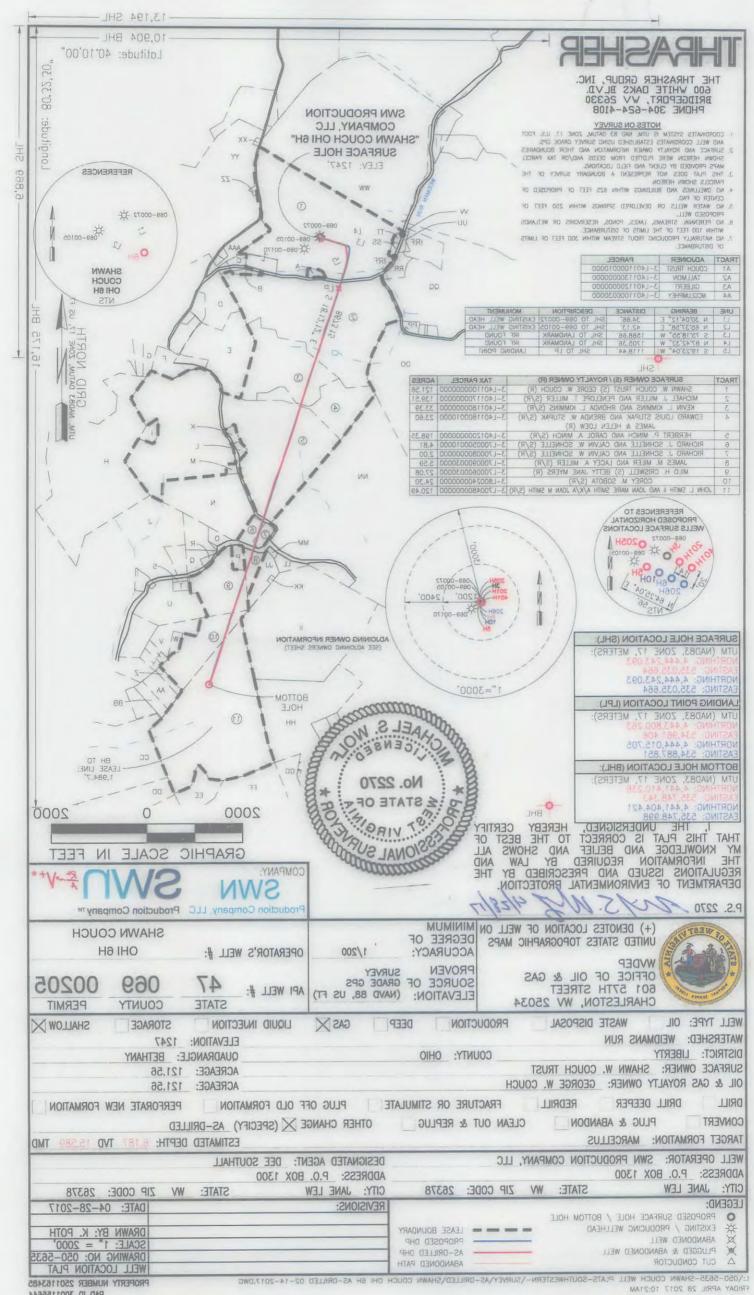
AS-DRILLED DHP ABANDONED PATH

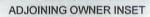
PLUGGED & ABANDONED WELL

CUT CONDUCTOR

Δ

PROPERTY NUMBER 2501163485 PAD ID 3001155644







THE THRASHER GROUP, INC. 600 WHITE DAKS BLVD. BRIDGEPORT, WV 26330 PHONE 304-624-4108

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	SHAWN W. COUCH TRUST	3-L4011000010000	1.16
В	PAUL TYRNA & RHONDA TYRNA	3-L40114000000000	1.24
C	MARK E. NORMAN	3-L4011000020000	2.44
D	JAMES W. LOWE & HELEN L. LOWE	3-L4011800020000	15.00
E	KEVIN L. KIMMINS & RHONDA L. KIMMINS	3-L4011800030000	
F	DONALD T. PIKO	3-L5001600000000	
G	DAVID ALAN BELLANCO & DEBRA KAY BELLANCO	3-L5002000110000	2.87
H	JOSEPH F. BIPPUS, SR., ET AL	3-L5002000010000	
1	TUNNEL RIDGE LLC	3-L4012000030000	
J	JOSEPH F. BIPPUS, SR., ET AL	3-L8000100050000	
K	HERBERT P. MINCH, JR. & ASHLEA R. MINCH	3-L4012000020000	
L	CARL HARTLIEB & ELSIE HARTLIEB	3-L4012000020000	
M			
	CINDY L. LINTON & B. A. FARMER (LIFE ESTATE)	3-L70050000000000	
N	RONALD D. FEKETE & MARY LEE FEKETE	3-L7000500000000	
0	WENDY J. DAVIS	3-L7000600020000	
P	WARREN E. MCLAUGHLIN, JR.	3-L7000700000000	
Q	RUSSEL E. MYERS & BETTY JANE MYERS	3-L7000600010000	
R	RUSSEL E. MYERS & BETTY JANE MYERS	3-L7004900000000	
S	JOSEPH F. BIPPUS SR. & ICY M. BIPPUS (LIFE ESTATE); JOSEPH F. BIPPUS JR., MARY FEKETE & BETTY ANN SMITH (REMAINDERMEN)	3-L8000100030000	1,45
T	JOSEPH F. BIPPUS SR. & ICY M. BIPPUS (LIFE ESTATE); JOSEPH F. BPPUS JR., MARY FEKETE & BETTY ANN SMITH (REMAINDERMEN)	3-L8000100040000	1.00
U	JOSEPH F. BIPPUS, SR., ET AL	3-L8000100050000	96.05
V	DANIEL MCKEE	3-L8002400080000	
W	TYLER J. GRIFFITH	3-L8002400090000	
X			
	JAY T. MAUCK & MELISSA J. MAUCK	3-L8002500000000	
Y	JAY T. MAUCK & MELISSA J. MAUCK	3-L8002600000000	
Z	MICHELLE LYNN BONHAM & AARON BONHAM	3-L8002400100000	
AA	COREY M. SOBOTA	3-L8002400010000	
BB	JAMES E. CARRINGTON & SHANDRA D. CARRINGTON	3-18002400050000	
CC	STEVE VARGO & SHARON K. VARGO	3-L8002900000000	
DD	WILLIAM F. STRAUB & N. F. STRAUB	3-L1100010003000	
EE	JOSEPH A. DOUGLAS & DIANNA C. DOUGLAS	3-L7004800010000	
FF	PAUL J. ROBRECHT	3-L7004700000000	
GG	EILEEN B. GILMORE	3-L7004600000000	
HH	TUNNEL RIDGE LLC	3-L7004500000000	
11	JAMES A. PARSONS & CAROL L. PARSONS	3-L7001100000000	109.36
JJ	JAMES P. MILLER	3-L7000900020000	7.59
KK	JAMES P. MILLER	3-L7000900010000	0.34
LL	JAMES PURPURA TRUST	3-L7001000000000	3.04
MM	RENEE LYNN MOSA	3-L7000900000000	0.94
NN	WAYNE L. WILHELM & M. B. WILHELM	3-L7000400000000	184.76
00	LEE C. PAULL, III & JUNE W. PAULL	3-L4010900000000	
PP	JOHN C. MYERS & A.F. MYERS	3-L4010700000000	
QQ	HOLLAND PARK LIMITED LIABILITY	3-L4010500000000	0.10.0
RR	WINDSOR POWER HOUSE COAL COMPANY	3-L4010500070000	
SS	B. G. RIDLER & J. M. TALLMON	3-L4011300000000	
TT	DONALD E. GILBERT JR.	3-L4011200000000	
UU	B. G. RIDLER & J. M. TALLMON	3-L4010600000000	
W			
WW	DIXIE M. LAUDERMILT & L. LAUDERMILT	3-L4010600010000	0.19
	STEVEN M. MCGLUMPHY	3-L4011000030000	
XX	ROBERT E. DUVALL & E. C. DUVALL	3-L4011100010000	0.34
YY	MARK P. KAUFMAN & ANNELIESE KAUFMAN	3-L5000200000000	
ZZ	TODD E. PORTER	3-L4012500000000	
AAA	WILLIAM S. PATTERSON, JR.	3-L4011500000000	3.00

COMPANY: SWN Production Company, LLC	SVN R <sup>L</sup> V <sup>+</sup> ®
REVISIONS:	DATE: 04-28-2017
	DRAWN BY: K. POTH
per	SCALE: DRAWING NO: 050-5635 WELL LOCATION PLAT



### ADJOINING OWNER INSET

THE THRASHER GROUP, INC. 600 WHITE DAKS BLVD. BRIDGEPORT, WV 26330 PHONE 304-624-4108

TAX PARCEL ACRES		SURFACE OWNER SHAWN W. COUCH TRUST PAUL TYRNA & RHONDA TYRNA	
1.16	3-14011000010000	SHAWN W. COUCH TRUST	A
1.24	3-140114000000000	PAUL TYRNA & RHONDA TYRNA	8
2,44	3-L4011000020000	MARK E. NORMAN	3
15.00	3-14011800020000	JAMES W. LOWE & HELEN L. LOWE	0
29.00	3-14011800030000		3
10.91	3-L50016000000000	DONALD T. PIKO	7
2,87	3-L5002000110000		0
	3-L5002000010000	JOSEPH F. BIPPUS, SR., ET AL	H
6.12	3-L4012000030000	TUNNEL RIDGE LLC	-
96.05	3-LB000100050000	JOSEPH F. BIPPUS, SR., ET AL	L
1.45	3-L4012000020000	HERBERT P. MINCH, JR. & ASHLEA R. MINCH	К
1.29	3-L4012000010000		1
1.00	3-1700500000000	CINDY L. LINTON & B. A. FARMER (LIFE ESTATE)	M
40.18	3-17000500000000	RONALD D. FEKETE & MARY LEE FEKETE	N
2.49	3-17000600020000	WENDY J. DAVIS	0
2.73	3-17000700000000	WARREN E, MCLAUGHLIN, JR.	9
10.69	3-17000600010000	RUSSEL E. MYERS & BETTY JANE MYERS	0
0.59	3-17004900000000	RUSSEL E. MYERS & BETTY JANE MYERS	Я
1.45	3-L8000100030000		S
Chil	COOCCOOL COORT—C		C
20.1	00001000100001 F	JOSEPH F, BIPPUS JR., MARY FEKETE & BETTY ANN SMITH (REMAINDERMEN) JOSEPH F, BIPPUS SR. & ICY M. BIPPUS (LIFE ESTATE);	-
1.00	3-L8000100040000		T
20.20	00003000100001 7	JOSEPH F. BIPPUS JR., MARY FEKETE & BETTY ANN SMITH (REMAINDERMEN) JOSEPH F. BIPPUS, SR., ET AL	U
96.05	3-18000100050000	JUSEPH F. BIPPUS, SK., EL AL DANIEL MOKEE	
9.26	3-1,8002400080000		
2.09	3-L8002400090000	TYLER J. GRIFFITH	
2.05	3-L8002500000000	JAY T. MAUCK & MELISSA J. MAUCK JAY T. MAUCK & MELISSA J. MAUCK	X
2.00	3-1.8002600000000	MICHELLE LYNN BONHAM & AARON BONHAM	7
2.00	3-1.8002400100000		AA
6,00	3-L8002400010000	COREY M. SOBOTA	-
4.00	3-L8002400050000	JAMES E. CARRINGTON & SHANDRA D. CARRINGTON	88
52.14	3-18002900000000	STEVE VARGO & SHARON K. VARGO	00
24:52	3-L1100010003000	WILLIAM F. STRAUB & N. F. STRAUB	-
12.02		JOSEPH A. DOUGLAS & DIANNA C. DOUGLAS	33
46,49	3-17004700000000	PAUL J. ROBRECHT	-
6.43	3-1.7004600000000	EILEEN B. GILMORE	99
60.66	3-17004500000000	TUNNEL RIDGE LLC	HH
109.36	3-17001100000000	JAMES A PARSONS & CAROL L. PARSONS	11
7.59	3-17000900020000	JAMES P. MILLER	lil
0.34	3-17000900010000	JAMES P. MILLER	KK
3.04	3-170010000000000	JAMES PURPURA TRUST	11
0.94	3-17000900000000	RENEE LYNN MOSA	MM
184.76		WAYNE L. WILHELM & M. B. WILHELM	NN
	3-L40109000000000	LEE C. PAULL, III & JUNE W. PAULL	00
3.68	3-14010700000000	JOHN C. MYERS & A.F. MYERS	99
	3-1.4010500000000	HOLLAND PARK LIMITED LIABILITY	00
3.81	3-14010500070000	WINDSOR POWER HOUSE COAL COMPANY	ЯЯ
1.03	3-L4011300000000	B. G. RIDLER & J. M. TALLMON	SS
0.71	3-L4011200000000	DONALD E. GILBERT JR.  B. G. RIDLER & J. M. TALLMON	TT
1.06	3-L40105000000000		UU
0.19	3-L4010600010000	DIXIE M. LAUDERMILT & L. LAUDERMILT	VV
189.84	3-14011000030000	STEVEN M. MCGLUMPHY	WW
0.34	3-14011100010000	ROBERT E. DUVALL & E. C. DUVALL	XX
102.08	3-15000200000000	MARK P. KAUFMAN & ANNELIESE KAUFMAN	YY
0.53	3-14012500000000	TODD E. PORTER	22
3.00	3-L40115000000000	WILLIAM S. PATTERSON, JR.	AAA

SWIN A-MV+*	COMPANY: SWN Production Company, LLC:
DATE: 04-28-2017	REVISIONS:
DRAWN BY: K. POTH SCALE:	
DRAWING NO: 050-5635 WELL LOCATION PLAT	