

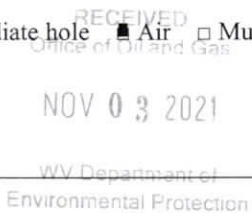
State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-009-00321 County BROOKE District BUFFALO
Quad BETHANY WV & STEUBENVILLE EAST OH Pad Name JOHN GOOD JR BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name JOHN PRATHER GOOD JR IRREVOCABLE TRUST Well Number JOHN GOOD JR BRK 3H
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,452,670.21 Easting 535,698.08
Landing Point of Curve Northing 4,452,862.94 Easting 535,706.95
Bottom Hole Northing 4,455,859.99 Easting 534,618.66

Elevation (ft) 1,153.5 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
SOBM



Date permit issued 11/19/2020 Date drilling commenced 4/6/2021 Date drilling ceased 4/22/2021
Date completion activities began 7/3/2021 Date completion activities ceased 8/1/2021
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 327 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 449 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 309 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
DCW
01/21/2022

WR-35
Rev. 8/23/13

API 47-009 - 00321

Farm name JOHN PRATHER GOOD JR IRREVOCABLE TRUST

Well number JOHN GOOD JR BRK 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	24	20	126	NEW	J-55/94#		Y
Surface	17.5	13.375	381	NEW	J-55/54.50#	253.3	Y, 24 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	1,661	NEW	J-55/36#		Y, 25 BBLS
Intermediate 2	12.25	9.625					
Intermediate 3							
Production	8.75/8.50	5.5	16,820	NEW	P-110HP/20#		Y
Tubing		2.875	6,528	NEW	P-105/6.50		N
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	401	15.60	1.20	481.2	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	640	15.60	1.19	761.6	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,278	15.60	1.19	3,900.82	SURFACE	24
Tubing							

Drillers TD (ft) 16,820' Loggers TD (ft) 16,820'
 Deepest formation penetrated _____ Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5,015'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

01/21/2022

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/3/2021
Job End Date:	7/25/2021
State:	West Virginia
County:	Brooke
API Number:	47-009-00321-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	JOHN GOOD JR BRK 3
Latitude:	40.22369633
Longitude:	-80.58042064
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,831
Total Base Water Volume (gal):	16,766,656
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
Base Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	88.18899	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.30629	

Econo-CI200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
Tolicide PS 50A	SWN Well Services	Biocide					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
SWN FRW-11LC	SWN Well Services	Friction Reducer					
				Listed Below			
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.							
			Crystalline Silica, quartz	14808-60-7	100.00000	11.42282	
			Hydrochloric Acid	7647-01-0	15.00000	0.04208	
			Petroleum Distillates, Hydrotreated	64742-47-8	25.00000	0.02014	
			Tetrakis	55566-30-8	55.00000	0.01063	
			Glycerin	56-81-5	50.00000	0.00292	

			Ammonium Chloride	12125-02-9	2.00000	0.00161	
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00121	
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00121	
			Diethylenetriamine penta	15827-60-8	10.00000	0.00058	
			Acetic Acid	64-19-7	37.50000	0.00056	
			Methanol	67-56-1	80.00000	0.00034	
			Citric Acid	77-92-9	22.50000	0.00034	
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00019	
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00004	
			Fatty acids	61790-12-3	5.02700	0.00002	
			Modified thiourea polymer	68527-49-1	4.74600	0.00002	
			Potassium acetate	127-08-2	0.02200	0.00000	
			Formaldehyde	50-00-0	0.00400	0.00000	

* 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

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)

Approved for Release
 on 11/14/2013

NOV 0 2013

12/14/2013

JOHN GOOD JR. BRK 3H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	6/30/2021	16,774	16,677	36
2	7/4/2021	16,643	16,465	36
3	7/4/2021	16,432	16,254	36
4	7/5/2021	16,221	16,043	36
5	7/5/2021	16,010	15,832	36
6	7/5/2021	15,799	15,621	36
7	7/6/2021	15,588	15,410	36
8	7/6/2021	15,377	15,199	36
9	7/6/2021	15,166	14,988	36
10	7/6/2021	14,955	14,777	36
11	7/7/2021	14,744	14,566	36
12	7/9/2021	14,533	14,355	36
13	7/10/2021	14,322	14,144	36
14	7/10/2021	14,111	13,933	36
15	7/11/2021	13,899	13,722	36
16	7/11/2021	13,688	13,511	36
17	7/12/2021	13,477	13,300	36
18	7/12/2021	13,266	13,088	36
19	7/12/2021	13,055	12,877	36
20	7/13/2021	12,844	12,666	36
21	7/13/2021	12,633	12,455	36
22	7/13/2021	12,422	12,244	36
23	7/14/2021	12,211	12,033	36
24	7/14/2021	12,000	11,822	36
25	7/14/2021	11,789	11,611	36
26	7/14/2021	11,578	11,400	36
27	7/15/2021	11,367	11,189	36
28	7/15/2021	11,156	10,978	36
29	7/15/2021	10,945	10,767	36
30	7/15/2021	10,734	10,556	36
31	7/16/2021	10,523	10,345	36
32	7/17/2021	10,312	10,134	36
33	7/18/2021	10,101	9,923	36
34	7/18/2021	9,890	9,712	36
35	7/18/2021	9,679	9,501	36
36	7/19/2021	9,468	9,290	36
37	7/19/2021	9,257	9,079	36
38	7/19/2021	9,046	8,868	36
39	7/20/2021	8,835	8,657	36
40	7/20/2021	8,623	8,444	36
41	7/21/2021	8,412	8,235	36
42	7/21/2021	8,201	8,024	36
43	7/22/2021	7,990	7,812	36
44	7/22/2021	7,779	7,601	36
45	7/22/2021	7,568	7,390	36
46	7/23/2021	7,357	7,179	36
47	7/23/2021	7,148	6,966	36
48	7/24/2021	6,935	6,757	36
49	7/24/2021	6,724	6,546	36
50	7/24/2021	6,513	6,335	36
51	7/25/2021	6,302	6,124	36

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Office of Oil and Gas

NOV 03 2021

WV Department of
Environmental Protection

01/21/2022

JOHN GOOD JR. BRK 3H
ATTACHMENT 2
STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
1	7/3/2021	78.5	8,246	7,432	4,095	177,140	5,643	0
2	7/4/2021	88	8,120	4,986	4,137	355,380	8,386	0
3	7/5/2021	89.6	7,921	5,561	4,278	355,490	8,127	0
4	7/5/2021	85.8	7,664	5,471	4,116	358,780	8,120	0
5	7/5/2021	87.9	7,612	5,512	3,970	362,340	8,160	0
6	7/5/2021	90.6	7,631	5,420	4,092	356,720	7,657	0
7	7/6/2021	91.2	7,991	5,556	4,028	357,020	7,819	0
8	7/6/2021	86.1	7,971	5,822	4,126	358,680	8,248	0
9	7/6/2021	87.8	7,652	5,423	4,272	361,620	8,046	0
10	7/7/2021	85.1	7,776	5,265	4,011	360,100	8,254	0
11	7/8/2021	95.9	7,325	5,220	4,590	363,640	8,098	0
12	7/10/2021	91.8	6,438	5,485	4,442	358,340	8,008	0
13	7/10/2021	93.6	7,366	5,085	4,390	360,520	8,000	0
14	7/11/2021	86	6,972	5,563	4,251	365,360	7,852	0
15	7/11/2021	86	6,878	5,065	4,394	355,560	8,060	0
16	7/11/2021	98.2	7,599	5,692	4,328	359,740	7,897	0
17	7/12/2021	93.2	7,032	5,267	4,442	360,740	7,724	0
18	7/12/2021	93	6,949	5,803	4,078	356,140	7,780	0
19	7/13/2021	88.9	6,836	4,833	4,333	363,720	7,952	0
20	7/13/2021	92.8	7,111	5,536	4,263	357,700	7,926	0
21	7/13/2021	96.5	7,629	6,092	4,355	361,620	8,012	0
22	7/13/2021	98.7	7,433	5,598	4,316	357,260	7,672	0
23	7/14/2021	92.7	6,731	5,781	4,338	332,020	7,665	0
24	7/14/2021	92.9	6,991	5,339	4,199	355,000	7,817	0
25	7/14/2021	98.7	7,297	5,548	4,325	358,960	7,807	0
26	7/14/2021	97.6	6,983	5,530	4,431	359,740	7,720	0
27	7/15/2021	93	6,757	5,316	4,422	355,820	7,758	0
28	7/15/2021	91.15	6,669	5,299	4,323	359,340	8,607	0
29	7/15/2021	97.6	6,967	5,583	4,384	362,500	7,766	0
30	7/15/2021	91.25	6,556	5,014	4,192	359,260	8,982	0
31	7/17/2021	95	6,741	5,399	4,307	362,500	7,669	0
32	7/18/2021	94.5	6,726	5,375	4,372	360,200	7,674	0
33	7/18/2021	92.8	6,490	5,625	4,285	359,800	7,514	0
34	7/18/2021	92	6,289	5,662	4,428	356,820	7,695	0
35	7/19/2021	93.8	6,402	5,311	4,255	358,100	7,760	0
36	7/19/2021	91.3	6,209	5,399	4,166	363,040	7,760	0
37	7/19/2021	93	6,301	5,634	4,511	365,390	7,799	0
38	7/20/2021	90.5	6,257	5,523	3,882	359,560	7,512	0
39	7/20/2021	91.33	6,453	5,701	4,503	357,040	7,532	0
40	7/21/2021	99.5	6,724	5,637	4,305	361,740	7,998	0
41	7/21/2021	96.56	6,870	5,453	3,959	358,120	7,832	0
42	7/22/2021	81.1	8,152	4,778	4,442	357,480	7,644	0
43	7/22/2021	95.5	6,446	5,179	4,238	355,600	7,771	0
44	7/22/2021	97.6	6,582	5,399	4,359	358,670	7,624	0
45	7/23/2021	93.44	6,403	5,827	4,067	356,260	7,727	0
46	7/23/2021	91.3	6,927	5,667	4,125	359,020	7,741	0
47	7/24/2021	96.1	6,233	5,147	4,409	358,820	7,425	0
48	7/24/2021	97.2	6,340	5,660	4,212	359,040	7,911	0
49	7/24/2021	99.9	6,506	5,588	4,184	359,240	7,966	0
50	7/25/2021	98.2	6,300	5,674	4,189	354,660	7,995	0
51	7/25/2021	98.3	6,358	6,060	4,018	375,720	8,281	0

01/21/2022



Well Name: John Good Jr BRK 3H

47009003210000

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	0.00	0.00	327.00	327.00	
Top of Salt Water	449.00	449.00	NA	NA	
Pittsburgh Coal	309.00	309.00	313.00	313.00	
Pottsville (ss)	439.00	439.00	788.00	788.00	
Raven Cliff (ss)	788.00	788.00	1437.00	1437.00	
Big Injun (ss)	1437.00	1437.00	5356.00	5336.00	
Rhinestreet (shale)	5356.00	5336.00	5628.00	5580.00	
Cashaqua (shale)	5628.00	5580.00	5695.00	5633.00	
Middlesex (shale)	5695.00	5633.00	5776.00	5693.00	
Burket (shale)	5776.00	5693.00	5798.00	5710.00	
Tully (ls)	5798.00	5710.00	5878.00	5765.00	
Mahantango (shale)	5878.00	5765.00	6065.00	5865.00	
Marcellus (shale)	6065.00	5865.00	NA	NA	GAS

LATITUDE: 40°15'00" SURFACE HOLE (2000' SCALE)

10879'

LATITUDE: 40°17'30" BOTTOM HOLE (2000' SCALE)

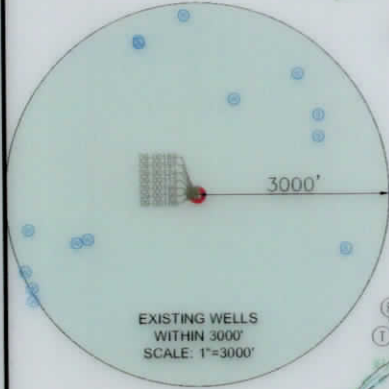
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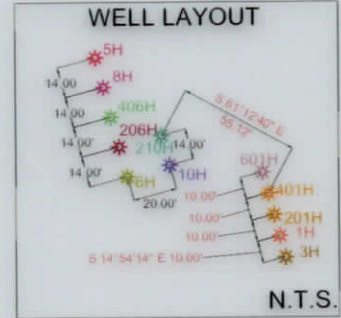
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St. Clairsville, Ohio 43950
740-695-6100

NOTES ON SURVEY

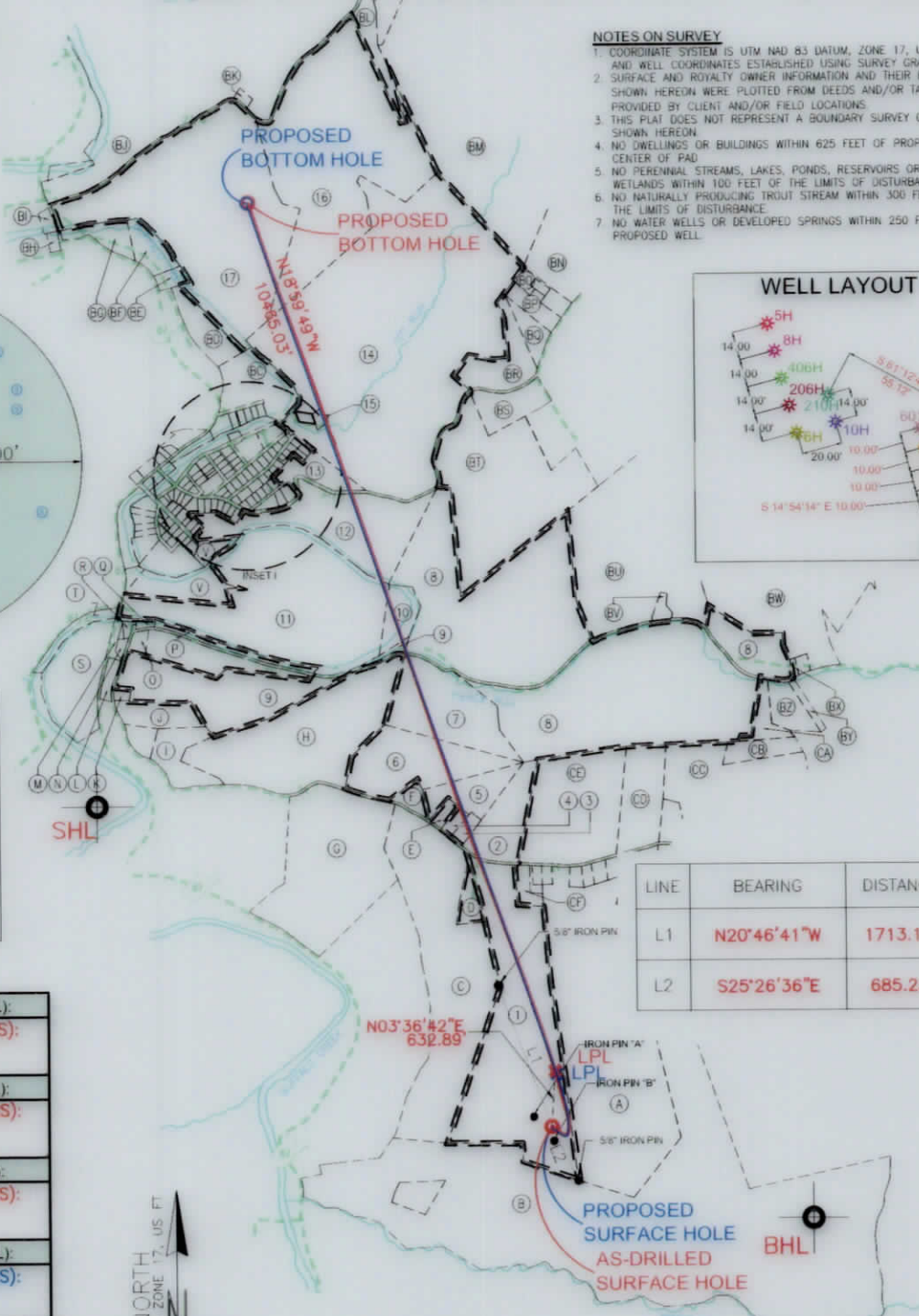
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



EXISTING WELLS WITHIN 3000' SCALE: 1"=3000'



N.T.S.



LINE	BEARING	DISTANCE
L1	N20°46'41"W	1713.13'
L2	S25°26'36"E	685.23'

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452670.21 EASTING: 535698.08
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452862.94 EASTING: 535706.95
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4455859.99 EASTING: 534618.66
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452670.32 EASTING: 535698.03
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452854.45 EASTING: 535713.31
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4455858.79 EASTING: 534615.17



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041

COMPANY: **SWN** Production Company, LLC

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	JOHN GOOD JR BRK
	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 3H	API WELL #: 47 009 00321

WELL TYPE: OIL	WASTE DISPOSAL	PRODUCTION <input checked="" type="checkbox"/>	DEEP	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	STORAGE	SHALLOW <input checked="" type="checkbox"/>
WATERSHED: UPPER OHIO SOUTH				ELEVATION: 1153.5'			
DISTRICT: BUFFALO				QUADRANGLE: BETHANY WV & STEUBENVILLE EAST OH			
SURFACE OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST				ACREAGE: ±66.57			
OIL & GAS ROYALTY OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST				ACREAGE: ±66.57			
DRILL	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION	01/21/2022	
CONVERT	PLUG & ABANDON	CLEAN OUT & REPLUG	OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	ESTIMATED DEPTH: 5,909' TVD 16,820' TMD			
TARGET FORMATION: MARCELLUS							

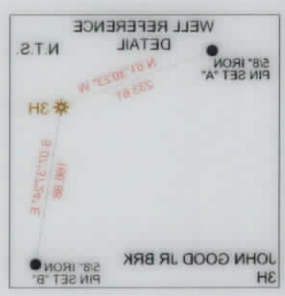
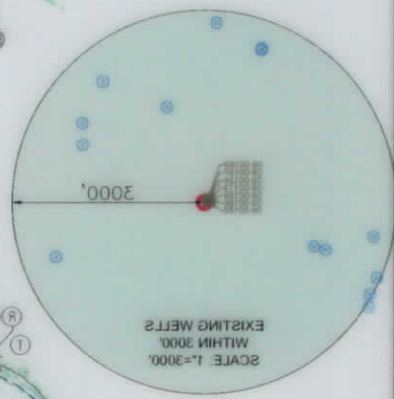
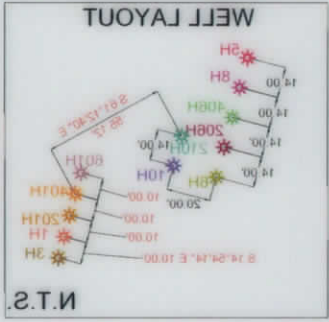
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: ○ EXISTING BOTTOM HOLE ☆ EXISTING / PRODUCING WELLHEAD LPL ☆ EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL ☆ PROPOSED LANDING POINT LOCATION	— ACCESS ROAD — PUBLIC ROAD — FLOOD PLAN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	REVISIONS: DATE: 09-29-2021 API NO: 47-009-00321 DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2020-0714 WELL LOCATION PLAT
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LATITUDE: 40°17'30" BOTTOM HOLE (5000' SCALE)

7250'

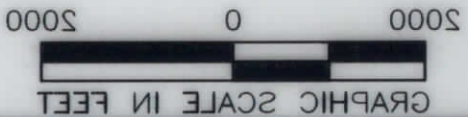
- NOTES ON SURVEY**
1. COORDINATE SYSTEM IS UTM AND 83 DATUM, ZONE 17, U.S. FOOT
 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS
 3. SHOWN HEREON IS A BOUNDARY SURVEY OF THE PARCELS
 4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF BAR
 5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE
 6. NO NATURALLY OCCURRING TROUGH STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE
 7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL



LINE	BEARING	DISTANCE
L1	N20°48'41"W	1713.13
L2	S25°28'28"E	682.23

WELL TYPE	UTM (NAD83, ZONE 17, METERS)	EASTING	NORTHING
SURFACE HOLE LOCATION (SHL)	UTM (NAD83, ZONE 17, METERS): 445267.21	535898.08	445267.21
LANDING POINT LOCATION (LPL)	UTM (NAD83, ZONE 17, METERS): 445282.94	535708.92	445282.94
BOTTOM HOLE LOCATION (BHL)	UTM (NAD83, ZONE 17, METERS): 445282.99	534818.66	445282.99
SURFACE HOLE LOCATION (SHL)	UTM (NAD83, ZONE 17, METERS): 445267.21	535898.03	445267.21
LANDING POINT LOCATION (LPL)	UTM (NAD83, ZONE 17, METERS): 445282.45	535713.21	445282.45
BOTTOM HOLE LOCATION (BHL)	UTM (NAD83, ZONE 17, METERS): 445282.79	534812.17	445282.79

CONCLUIDE: 80.32,00," BOTTOM HOLE (5000', 2SCALE)



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

COMPANY: **SWN** Production Company, L.L.C.
 SWN Production Company, L.L.C.

STATE: OHIO
 COUNTY: COLUMBIANA
 PERMIT: 00321
 OPERATOR'S WELL #: 3H
 JOHN GOOD JR BRK

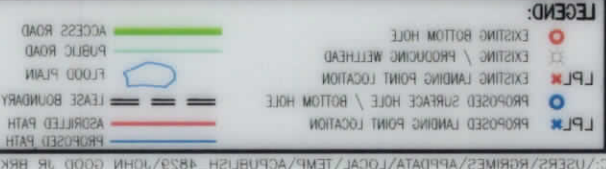
ELEVATION: (NAVD 88', US FT)
 SOURCE OF GRADE GPS
 PROVEN SURVEY
 ACCURACY: 1/300
 DEGREE OF MINIMUM

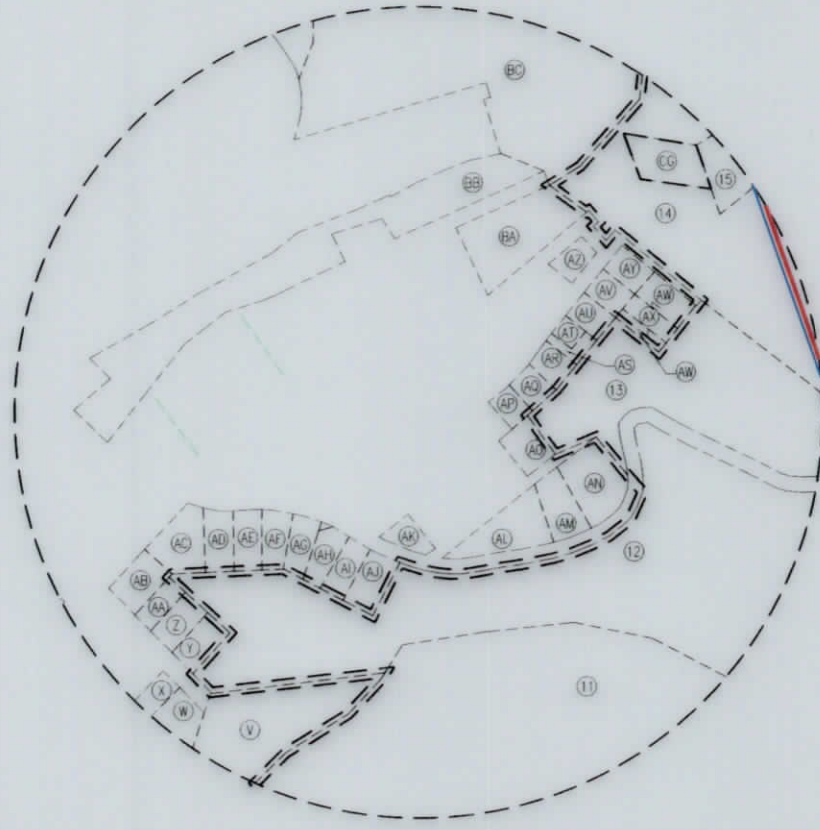
CHARLESTON, WV 25034
 OFFICE OF OIL & GAS
 601 57TH STREET
 WVDEP

WELL TYPE: OIL
 WASTE DISPOSAL
 PRODUCTION X
 DEEP X
 GAS X
 LIQUID INJECTION
 STORAGE X
 SHALLOW X
 ESTIMATED DEPTH: 2,900', TVD 16,850', TMD
 OTHER CHANGE X (SPECIFY) AS-DRILLED
 PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION
 ACREAGE: ±66.27
 QUADRANGLE: BETHAM W & STEUBENVILLE EAST ON
 WATERSHED: UPPER OHIO SOUTH
 DISTRICT: BUFFALO
 COUNTY: BROOKE
 SURFACE OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST
 OIL & GAS ROYALTY OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST

WELL OPERATOR: SWN PRODUCTION COMPANY, L.L.C.
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
 DESIGNATED AGENT: BRITANNY WOODY
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

REVISIONS	DATE	BY	DESCRIPTION
APL NO: 47-009-00321	09-29-2021		
DRAWN BY: R. GRIMES			
SCALE: 1" = 3000'			
DRAWING NO: 2020-0714			
WELL LOCATION PLAN			





INSET I

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JOHN PRATHER GOOD JR IRREVOCABLE TRUST (S)/(R)	03-B38-001.0
2	BRIAN BIRDASALL	03-B32-120.0
3	CRAIG & COURTNEY HAVEIKA	03-B32-121.0
4	TRAVIS A MILLER	03-B32-122.0
5	CARLE LEWIS & DELCIE MAY JONES	03-B32-124.0
6	EDWARD J. MARKER	03-B32-126.0
7	JAMES J. & ADRIEN N. ALLEN (SURVIVOR)	03-B32-098.0
8	STARVAGGI INDUSTRIES INC.	03-B33-054.0
9	MARK & GEORGIA FEDAK	03-B32-099.0
10	SAMUEL HERVEY HUBBARD	03-B32-097.0
11	SAMUEL HERVEY HUBBARD	03-B32-096.0
12	ALBERT & LOTTIE STEWART	03-B32H-050.0
13	STARVAGGI INDUSTRIES INC.	03-B33-054.0
14	STARVAGGI INDUSTRIES INC.	03-B32H-041.0
15	TIMOTHY J. ARACICH	03-B32H-008.0
16	MILDRED MANI & MILES BAUER	03-B27-026.0
17	STARVAGGI INDUSTRIES INC.	03-B27-027.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AI	MARY LAURA & HELEN KRUGER	03-B32H-047.0
AK	ALBERT & LOTTIE STEWART	03-B32H-031.0
AL	LUCILLE MOZINGO	03-B32H-037.0
AM	RONALD L. MCMASTERS JR	03-B32H-038.0
AN	DAVID HAMILTON	03-B32H-039.0
AO	SCOTT A. & FAITH L. LAW	03-B32H-036.0
AP	RICHARD P. & CLEO M TAYLOR	03-B32H-027.0
AQ	RICHARD P. & CLEO M TAYLOR	03-B32H-026.0
AR	RICHARD P. & CLEO M TAYLOR	03-B32H-025.0
AS	JAMIE JORDAN	03-B32H-025.1
AT	JAMIE ALAN JORDAN	03-B32H-024.0
AU	JAMIE ALAN JORDAN	03-B32H-023.0
AV	JAMIE ALAN JORDAN	03-B32H-022.0
AW	WILLIAM E. JORDAN	03-B32H-020.0
AX	JAMIE ALAN JORDAN	03-B32H-019.0
AY	JEFFREY RAY JR & STACIA JOANETTE JORDAN	03-B32H-021.0
AZ	CLYDE & CAROL JORDAN	03-B32H-018.0
BA	CLYDE & CAROL JORDAN (SURVIVOR)	03-B32H-041.1
BB	STARVAGGI INDUSTRIES INC	03-B32G-063.0
BC	TERRY & CHARLOTTE STEWART	03-B32H-001.0
BD	SYLVIA TAYLOR	03-B32-083.0
BE	SYLVIA TAYLOR	03-B32-084.0
BF	SYLVIA TAYLOR & TERENCE SPERRINGER	03-B32-086.0
BG	SYLVIA TAYLOR	03-B32-085.0
BH	GLORIA PRAMESA	03-B32-049.0
BI	RICHARD E. HARRISON JR	03-B32-048.0
BJ	MILDRED MANI, MILES & ERIK BAUER	03-B27-021.0
BK	MILDRED MANI REVOCABLE TRUST	03-B27-028.0
BL	MICHAEL W. SOMON	03-B27-025.0
BM	CHAD ALAN & TIFFANY NICOLE GRAHAM	03-B27-022.0
BN	KATHRYN A. DEGARMO (KATHRYNA. YOUNG)	03-B33-020.4
BO	THOMAS M & DEBORAH J. OLDAKER	03-B33-001.0
BP	NAOMI BARNHARDT	03-B33-003.0
BQ	ERIC SCOTT	03-B33-004.0
BR	GARY A. JR & ANDREA MORRIS	03-B33-005.0
BS	CAROL ANN WISNER	03-B33-006.0
BT	BEAR TRAK PROPERTIES LLC	03-B33-010.2
BU	STARVAGGI INDUSTRIES INC	03-B33-055.0
BV	SCOTT & HOLLY STEWART	03-B33-055.1
BW	STARVAGGI INDUSTRIES INC	03-B33-041.0
BX	CHARLES J. DIXON	03-B33-051.0
BY	LAWRENCE MCLAUGHLIN II (L/E GROVER LEE HAUGHT)	03-B33-048.0
BZ	CARL & SOPHIA DEGARMO	03-B33-049.0
CA	PELUCHE TE FAMILY TRUST	03-B33-052.0
CB	PELUCHE TE FAMILY TRUST	03-B33-053.0
CC	DEBRA K. PELAEZ	03-B33-071.0
CD	GREG, REGINA, CHRISTOPHER, & JOSHUA ZOLMAN	03-B33-069.0
CE	SYLVIA ELIZABETH BARR & JOSEPH BEAVER	03-B33-056.0
CF	JOHN PRATHER GOOD JR IRREVOCABLE TRUST	03-B33-057.0
CG	TRINA ARACICH	03-B32H-007.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MARY JANE JACKSON ETAL	03-B33-080.0
B	STARVAGGI INDUSTRIES INC	03-B37-053.0
C	RICHARD RODGERS, CHERI SHARP, EDWARD O'DYER, ETAL	03-B37-048.0
D	JOHN PRATHER GOOD III & LAURIE THOMAS (SURVIVOR)	03-B32-119.0
E	BRADFORD L. JONES & SHARON E. SNYDER (SURVIVOR)	03-B32-123.0
F	DAVID PIERCE	03-B32-125.0
G	JOHN P. GOOD III & KENNETH D. JOHNSTON	03-B32-117.0
H	JAMIE L. & LESLIE OHLER (SURVIVOR)	03-B32-099.1
I	MATTHEW P. TOMSHACK	03-B32-099.4
J	JERY B. & PAMELA S. MERCER (SURVIVOR)	03-B32-099.3
K	LLOYD T. & JUDITH KAY VAN HORN	03-B32-106.0
L	LLOYD T. & JUDITH KAY VAN HORN	03-B32-104.0
M	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS AND MARK & GEORGIA FEDAK	UNKOWN
N	MARK & GEORGIA FEDAK (SURVIVOR)	03-B32-103.0
O	MARK & GEORGIA FEDAK	03-B32-102.0
P	MARK & GEORGIA FEDAK (SURVIVOR)	03-B32-100.0
Q	MARK & GEORGIA FEDAK	03-B32-101.0
R	MARK A. & GEORGIA M FEDAK	03-B32-199.0
S	HARRY & JUDITH ICKES (SURVIVOR)	03-B32-133.0
T	SAMUEL HERVEY HUBBARD	03-B32-096.0
U	MICHAEL & DELA SEREVICZ	03-B32-090.0
V	JAMES E. & ANNETTE M. BEST (SURVIVOR)	03-B32-201.0
W	JOHN L. SR & LUCILLE M BEST	03-B32-095.0
X	TERRY LYNN BEST	03-B32-094.0
Y	JADON LEWIS & MARY HELEN LISTON (SURVIVOR)	03-B32G-019.0
Z	SUANORA LANCASTER	03-B32G-020.0
AA	HEIDI NOLAN	03-B32G-021.0
AB	HEIDI NOLAN	03-B32G-022.0
AC	MELVIN A. COLLEY JR & KATHY L. STEWART (SURVIVOR)	03-B32G-031.0
AD	DENNIS F. MCCQUILLAN JR	03-B32G-032.0
AE	GARY PRATZ, CONNIE MORRIS, & KAREN MACKAY	03-B32G-033.0
AF	IONATHAN M. MCGOLDRICK	03-B32G-034.0
AG	HELEN V. TENNANT	03-B32G-035.0
AH	ALBERT & LOTTIE J. STEWART	03-B32G-037.0
AI	ALLEN L. & TERESA A. MORRIS (SURVIVOR)	03-B32H-046.0

01/21/2022

REVISIONS:			
COMPANY:	JOHN GOOD JR BRK		DATE: 09-29-2021
OPERATOR'S	3H		API NO: 47-009-00321
WELL #:	3H		DRAWN BY: R. GRIMES
DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	SCALE: N/A
			DRAWING NO: 2020-0714
			WELL LOCATION PLAT

