

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

API 47-051-02371 County MARSHALL District LIBERTY
Quad CAMERON 7 1/2, WV Pad Name GLADYS BRIGGS MSH PAD Field/Pool Name VICTORY FIELD WET
Farm name GLADYS R. BRIGGS ESTATE Well Number GLADYS BRIGGS MSH 405H
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 4,401,985.388 Easting 532,911.102
Landing Point of Curve Northing 4,402,677.210 Easting 533,553.902
Bottom Hole Northing 4,404,782.690 Easting 532,002.824

Elevation (ft) 1,382.6 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

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Date permit issued 5/13/2021 Date drilling commenced 4/25/2021 Date drilling ceased 5/28/2021
Date completion activities began 7/28/2021 Date completion activities ceased 8/29/2021
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 733 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1221 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1087 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed

Reviewed by:
[Signature]
12/05/2021

API 47-051 - 02371 Farm name GLADYS R. BRIGGS ESTATE Well number GLADYS BRIGGS MSH 405H

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	802	NEW	J-55/54.50#		Y, 45 BBLs
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2,707	NEW	J-55/40#		Y, 55 BBLs
Intermediate 2	12.25	9.625					
Intermediate 3							
Production	8.75/8.50	5.5	16,854	NEW	P-110 HP/20#		Y
Tubing		2.375		NEW	L-80/4.7#		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	909	15.60	1.19	1,081.71	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	1,134	16.00	1.13	1,281.42	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,774	14.50	1.17	3,245.58	SURFACE	24
Tubing							

Drillers TD (ft) 16,854' Loggers TD (ft) 16,854'
 Deepest formation penetrated _____ Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 7,110'

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
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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
 WV Department of Environmental Protection

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 _____

API 47-051 - 02371 Farm name GLADYS R. BRIGGS ESTATE Well number GLADYS BRIGGS MSH 405H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMENT	1		

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	ATTACHMENT	2				

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Please insert additional pages as applicable.

API 47- 051 - 02371 Farm name GLADYS R. BRIGGS ESTATE Well number GLADYS BRIGGS MSH 405H

PRODUCING FORMATION(S)	DEPTHS		
MARCELLUS	7,132'	TVD	8,086' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2647 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 19,476 mcfpd Oil 22 bpd NGL _____ bpd Water 408 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
	SEE	ATTACHMENT	3		

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Please insert additional pages as applicable.

Drilling Contractor SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company BAKER HUGHES
Address 9110 GROGANS MILL ROAD City THE WOODLANDS State TX Zip 77380

Cementing Company SCHLUMBERGER WELLS SERVICES
Address 1080 US-33 City WESTON State WV Zip 26452

Stimulating Company SWN WELL SERVICES
Address PO BOX 12359 City SPRING State TX Zip 77391

Please insert additional pages as applicable.

Completed by BOBBY WILLIS Telephone 832-796-2884
Signature _____ Title SENIOR REGULATORY SPECIALIST Date 10/29/2021

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

12/03/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/29/2021
Job End Date:	8/21/2021
State:	West Virginia
County:	Marshall
API Number:	47-051-02371-01-00
Operator Name:	Southwestern Energy
Well Name and Number:	GLADYS BRIGGS MSH 405
Latitude:	39.76716016
Longitude:	-80.61574462
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,178
Total Base Water Volume (gal):	14,882,758
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	90.40932	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.24905	

HCL	SWN Well Services	Solvent					
				Listed Below			
Tolicide 4Frac	SWN Well Services	Biocide					
				Listed Below			
Plexaid 655	SWN Well Services	Scale Inhibitor					
				Listed Below			
PLEXSLICK 930	SWN Well Services	Friction Reducer					
				Listed Below			
Econo-CI200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				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	9.25379	
			Hydrochloric Acid	7647-01-0	15.00000	0.03062	
			Petroleum Distillates, Hydrotreated	64742-47-8	20.00000	0.02320	
			copolymer of 2-propenamide	69418-26-4	20.00000	0.02320	

			Tetrakis	55566-30-8	45.00000	0.00483
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00174
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00174
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00081
			Diethylenetriamine penta	15827-60-8	10.00000	0.00046
			Acetic Acid	64-19-7	37.50000	0.00041
			Ethanol	64-17-5	2.50000	0.00027
			Methanol	67-56-1	80.00000	0.00025
			Citric Acid	77-92-9	22.50000	0.00025
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00003
			Fatty acids	61790-12-3	5.02700	0.00002
			Modified thiourea polymer	68527-49-1	4.74600	0.00001
			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)

GLADYS BRIGGS MSH 405H

ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	7/29/2021	16,785	16,690	36
2	7/29/2021	16,656	16,476	36
3	7/30/2021	16,442	16,262	36
4	7/30/2021	16,229	16,048	72
5	7/30/2021	16,015	15,835	36
6	7/31/2021	15,801	15,621	36
7	7/31/2021	15,587	15,407	36
8	8/1/2021	15,374	15,194	36
9	8/1/2021	15,160	14,980	36
10	8/1/2021	14,946	14,766	36
11	8/2/2021	14,732	14,552	36
12	8/2/2021	14,519	14,339	36
13	8/3/2021	14,305	14,125	36
14	8/4/2021	14,091	13,911	36
15	8/5/2021	13,878	13,697	36
16	8/5/2021	13,664	13,484	36
17	8/6/2021	13,450	13,270	36
18	8/7/2021	13,236	13,056	36
19	8/7/2021	13,023	12,843	36
20	8/8/2021	12,809	12,629	36
21	8/9/2021	12,595	12,415	36
22	8/9/2021	12,382	12,201	36
23	8/10/2021	12,168	11,988	36
24	8/11/2021	11,954	11,774	36
25	8/12/2021	11,740	11,560	36
26	8/13/2021	11,527	11,347	36
27	8/13/2021	11,313	11,133	36
28	8/14/2021	11,099	10,919	36
29	8/15/2021	10,885	10,705	36
30	8/15/2021	10,672	10,492	36
31	8/16/2021	10,458	10,278	36
32	8/17/2021	10,244	10,064	36
33	8/18/2021	10,031	9,850	36
34	8/18/2021	9,817	9,637	36
35	8/18/2021	9,603	9,423	36
36	8/18/2021	9,389	9,209	36
37	8/19/2021	9,176	8,996	36
38	8/19/2021	8,962	8,782	36
39	8/20/2021	8,748	8,568	36
40	8/20/2021	8,534	8,354	36
41	8/21/2021	8,321	8,141	36

GLADYS BRIGGS MSH 405H

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	7/29/2021	80	8,925	7,473	5,135	156,570	5,498	0
2	7/29/2021	93.44	8,672	6,654	4,916	312,300	9,097	0
3	7/30/2021	94.56	8,811	6,335	5,001	315,280	8,732	0
4	7/30/2021	89.64	8,448	6,251	5,316	315,320	12,474	0
5	7/31/2021	98.22	8,412	6,258	4,602	312,280	8,996	0
6	7/31/2021	95.22	8,183	6,330	5,457	315,960	8,829	0
7	7/31/2021	98.33	8,497	6,254	4,687	315,660	8,932	0
8	8/1/2021	96.56	9,001	6,618	4,860	314,200	8,633	0
9	8/1/2021	79.6	8,626	6,345	4,669	311,020	9,757	0
10	8/1/2021	93.44	8,201	6,110	5,150	315,240	8,545	0
11	8/2/2021	91.78	8,406	6,431	4,725	317,660	8,737	0
12	8/3/2021	72.75	8,634	6,359	4,582	314,220	10,270	0
13	8/4/2021	96.22	8,513	6,167	4,530	317,060	8,690	0
14	8/5/2021	84.78	8,015	6,506	5,037	313,700	8,929	0
15	8/5/2021	99	8,379	5,822	4,574	316,580	8,723	0
16	8/6/2021	91	8,107	6,150	4,523	311,140	8,537	0
17	8/6/2021	91	8,081	5,867	4,700	309,200	8,444	0
18	8/7/2021	95	7,848	6,185	4,421	291,800	8,222	0
19	8/8/2021	98.89	7,932	6,185	4,484	316,040	8,491	0
20	8/8/2021	99.44	7,708	6,298	4,536	316,440	8,363	0
21	8/9/2021	99.33	7,906	6,237	4,752	314,220	8,496	0
22	8/10/2021	94.22	8,089	6,185	4,336	309,520	8,455	0
23	8/11/2021	94.89	8,077	6,185	4,704	312,260	8,289	0
24	8/12/2021	95.11	7,933	6,204	4,412	315,220	8,622	0
25	8/12/2021	89.67	7,734	6,209	4,947	236,300	8,444	0
26	8/13/2021	95.54	7,634	5,446	4,876	311,760	8,730	0
27	8/14/2021	99.99	7,852	6,025	4,616	320,940	8,752	0
28	8/15/2021	93.78	7,496	5,915	4,497	316,720	8,109	0
29	8/15/2021	92	7,532	5,933	4,591	321,580	8,222	0
30	8/16/2021	99.22	7,803	5,839	4,790	318,320	8,545	0
31	8/17/2021	91.67	7,608	6,290	4,360	307,540	8,400	0
32	8/17/2021	94.44	7,499	5,870	4,712	319,720	8,366	0
33	8/18/2021	98.89	7,552	5,854	4,751	320,960	8,529	0
34	8/18/2021	97.89	7,652	5,936	4,620	316,740	8,477	0
35	8/18/2021	97.44	7,444	5,709	4,914	326,720	8,615	0
36	8/19/2021	98.89	7,813	5,832	4,345	318,680	8,793	0
37	8/19/2021	94.3	7,425	5,632	5,210	320,420	8,468	0
38	8/20/2021	98.22	7,590	5,632	4,323	320,540	8,492	0
39	8/20/2021	97.33	7,440	5,792	4,625	323,900	8,457	0
40	8/21/2021	98.56	7,378	6,338	4,316	322,780	8,510	0
41	8/21/2021	95.11	7,322	6,338	4,857	329,560	8,429	0



Well Name:

Gladys Briggs MSH 405H ST1

47051023710100

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	733.00	733.00	
Top of Salt Water	1221.00	1221.00	NA	NA	
Pittsburgh Coal	1087.00	1087.00	1092.00	1092.00	
Pottsville (ss)	1212.00	1212.00	1224.00	1224.00	
Raven Cliff (ss)	1587.00	1587.00	1727.00	1727.00	
Maxton (ss)	1981.00	1981.00	2221.00	2221.00	
Big Injun (ss)	2221.00	2221.00	2482.00	2481.00	
Rhonestreet (shale)	7095.00	6470.00	7442.00	6766.00	
Cashaqua (shale)	7442.00	6766.00	7602.00	6886.00	
Middlesex (shale)	7602.00	6886.00	7739.00	6978.00	
Burket (shale)	7739.00	6978.00	7780.00	7004.00	
Tully (ls)	7780.00	7004.00	7818.00	7026.00	
Mahantango (shale)	7818.00	7026.00	8086.00	7132.00	
Marcellus (shale)	8086.00	7132.00	NA	NA	GAS

Latitude: 39°47'30"

SURFACE HOLE 9,108'

Latitude: 39°50'00"

BOTTOM HOLE 341'

Longitude: 80°37'30"

Longitude: 80°35'00"

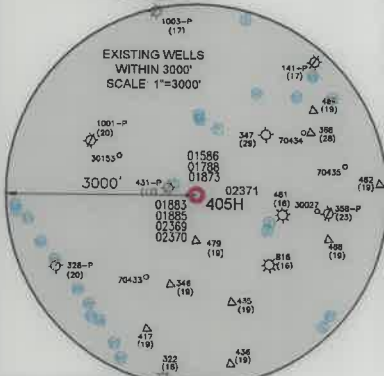
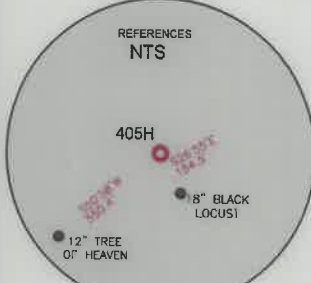
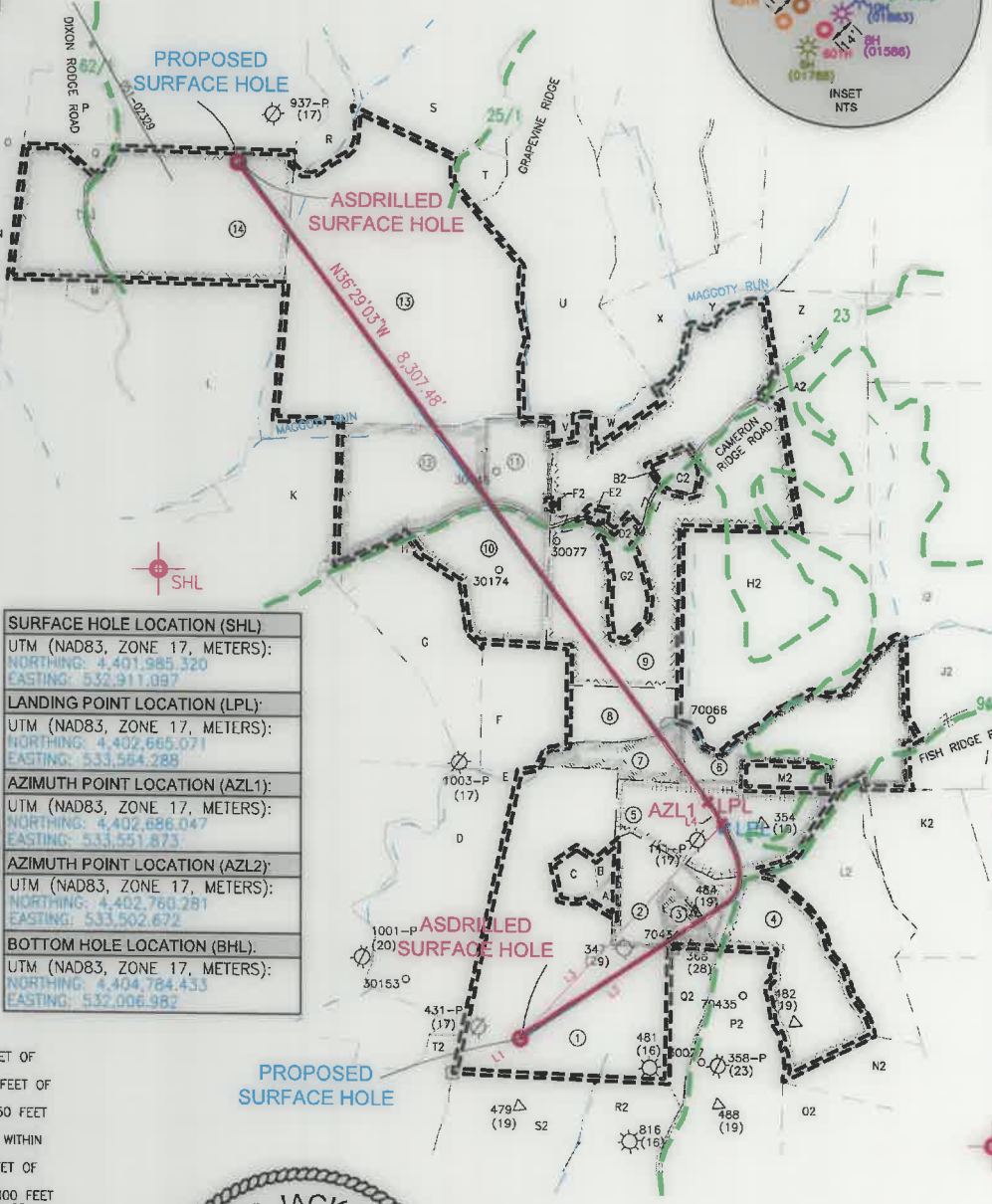
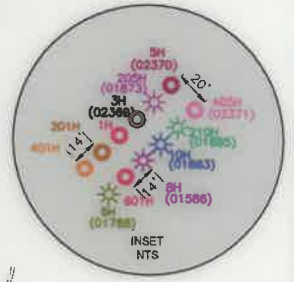
JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,985.388 EASTING: 532,911.102
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,402,677.210 EASTING: 533,553.902
AZIMUTH POINT LOCATION (AZL1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,402,746.805 EASTING: 533,508.423
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,404,782.690 EASTING: 532,002.824

GRID NORTH
UTM: NAD83 DATUM, ZONE 17, US FT

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 62°50'51" W	803.44'	SHL TO LANDMARK	CORNER FENCE POST
L2	N 58°45'59" E	1870.20'	SHL TO LANDMARK	FD. 1/2" REBAR
L3	N 42°53'47" E	3,098.28'	CURVE LENGTH	DESCRIPTION
L4	N 33°09'50" W	272.76'	3,514.98'	SHL TO LPL
			772.66'	LPL TO AZL1



SURFACE HOLE LOCATION (SHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,985.320 EASTING: 532,911.097
LANDING POINT LOCATION (LPL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,402,665.071 EASTING: 533,564.288
AZIMUTH POINT LOCATION (AZL1)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,402,686.047 EASTING: 533,551.873
AZIMUTH POINT LOCATION (AZL2)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,402,760.281 EASTING: 533,502.672
BOTTOM HOLE LOCATION (BHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,404,784.433 EASTING: 532,006.982

WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

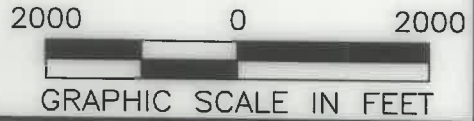
NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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. 708

David L Jackson



COMPANY: **SWN** Production Company, LLC

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

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

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

GLADYS BRIGGS MSH

OPERATOR'S WELL #: 405H

API WELL #: **47** STATE **051** COUNTY **02371** PERMIT

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

WATERSHED: FISH CREEK (HUC-10) ELEVATION: 1382.6'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON 7 1/2', WV

SURFACE OWNER: GLADYS R. BRIGGS ESTATE ACREAGE: ±121.429

OIL & GAS ROYALTY OWNER: GLADYS R. BRIGGS ESTATE ACREAGE: ±121.429

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) **ASDRILLED**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 1203/12084 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:



	PROPOSED SURFACE HOLE / BOTTOM HOLE		SURVEYED BOUNDARY
	EXISTING / PRODUCING WELLHEAD		DRILLING UNIT
	LPL		LEASE BOUNDARY
	LANDING POINT LOCATION		ASDRILLED PATH
	EXISTING WATER WELL		PROPOSED PATH
	EXISTING SPRING		

REVISIONS:	DATE: 10-25-2021
	DRAWN BY: N. MANO
	SCALE: 1" = 2000'
	DRAWING NO:
	WELL LOCATION PLAT

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BRIGGS GLADYS R EST (S)/(R)	07-16-02
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	YEATER PRESTON & HEATHER L (S)	07-16-29.4
3	YEATER PRESTON A ET UX (S)	07-16-29.2
4	YEATER THELMA - LIFE (S)	07-16-29
5	LEMASTERS VINCENT E (S)	07-10-24
6	RUSH HAROLD E & ANITA (S)	07-10-23
7	CLARK JAMES M (S)	07-10-09
8	CLARK JAMES M (S)	07-10-10
9	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS (S)	07-10-18
10	CLARK CHARLES R & WHIPKEY MARILYN V (S)	07-10-12
11	HOWARD PAMELA J & WHITE SCOTT MICHAEL OWEN (S)	07-10-15
12	CLARK CHARLES R & WHIPKEY MARILYN V (S)	07-10-04
13	GRAHAM WAYNE E JR ET UX (S)	07-07-04
14	STERN BLAINE E JR (S)	07-08-11

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BRIGGS PATTY K	07-16-2.2
B	BRIGGS JACK	07-16-2.1
C	LEMASTERS VINCENT E	07-16-01
D	CONSOL MINING COMPANY LLC ATTN: LAND ADMIN/PROPERTY TAX	07-10-08
E	BUZZARD DONALD G ET UX	07-10-07
F	CLARK CHARLES R & WHIPKEY MARILYN V	07-10-11
G	CLARK CHARLES R & WHIPKEY MARILYN V	07-10-05
H	CLARK CHARLES R & WHIPKEY MARILYN V	07-10-4.1
I	STERN PAUL F	07-10-03
J	STERN DONALD G ET AL	07-10-02
K	CLARK CHARLES R	07-10-01
L	DANAHEY SHAWN T SR & SHAWN T II	07-08-09
M	FIFE HOWARD C - LIFE - DOWNING STEVEN D	07-08-9.1
N	DOBBS JOHN ALFRED & LEORA - LIFE	07-08-04
O	KERNS DANNY R & FRANCES V ESTS	07-08-02
P	STERN BLAINE E JR	07-08-13
Q	STERN BLAINE E JR	07-08-11
R	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	07-07-03
S	GRAHAM WAYNE E JR & GWENDOLYN L	07-07-05
T	GRAHAM WAYNE E JR & GWENDOLYN L	07-07-5.1
U	MARSHALL COUNTY COAL RESOURCE INC	07-07-5.3
V	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-16
W	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-17
X	CAIN TIMOTHY R	07-07-6.1
Y	JAMISON CHARLES & JEAN	07-07-13
Z	CONSOLIDATION COAL COMPANY MURRAY ENERGY C/O LAND DEPT	07-10-19
A2	MURRAY JEFFREY A	07-10-18.2
B2	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-18.6
C2	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-18.7
D2	PYLES HAZEN B	07-10-18.1
E2	WHORTON JERRY S & CYNTHIA C	07-10-18.3
F2	DOBBS ERIC SCOTT & TIFFANY J	07-10-18.5
G2	DOBBS ERIC SCOTT & TIFFANY J	07-10-18.4
H2	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-22
I2	DOBBS G & JAN FAMILY TRUST & ERIC SCOTT DOBBS	07-10-21
J2	KNOWLTON MICHAEL	07-10-25.1
K2	WILLIAMS ROBERT D	07-16-30
L2	YEATER STEPHANIE F	07-16-29.3
M2	RUSH HAROLD E & ANITA	07-10-23.1
N2	YEATER RICHARD M ET UX	07-16-29.1
O2	CUMPSTON GEORGE R E UX	07-16-24
P2	CLARK WAYNE & JINA SUE SPRINGE	07-16-04
Q2	BRIGGS GLADYS R EST	07-16-03
R2	BRIGGS JACK J	07-16-05
S2	MASON DIXON FARMS LLC	07-16-06
T2	MASON DIXON FARMS LLC	07-17-19.1

REVISIONS:	COMPANY:	12/03/2021	
			
	OPERATOR'S	GLADYS BRIGGS MSH	DATE: 10-25-2021
	WELL #:	405H	DRAWN BY: N. MANO
	DISTRICT:	LIBERTY	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2
	API#	47-051-02371	

12/03/2021