

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
JUN 7 2022

WV Department of
Environmental Protection

API 47-051-02413 County MARSHALL District LIBERTY
Quad GLEN EASTON, WV Pad Name O E BURGE MSH PAD Field/Pool Name VICTORY FIELD WET
Farm name MASON DIXON FARMS, LLC Well Number O E BURGE MSH 205H
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 4,400,172.683 Easting 531,556.078
Landing Point of Curve Northing 4,400,661.933 Easting 531,967.928
Bottom Hole Northing 4,401,526.586 Easting 531,137.934

Elevation (ft) 1,342.1' 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 9/21/2021 Date drilling commenced 12/01/2021 Date drilling ceased 12/16/2021
Date completion activities began 1/10/2022 Date completion activities ceased 3/22/2022
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 228' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,188' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1,091' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed

Reviewed by:
[Signature] 8/23/22

09/09/2022

API 47-051 - 02413 Farm name MASON DIXON FARMS, LLC Well number O E BURGE MSH 205H

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	328'	NEW	J-55/54.5#		Y: 19 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2,800'	NEW	J-55/36#		Y: 74 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75	5.5	20,540'	NEW	P-110 HP/20#		N
Tubing							
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	325	15.60	1.20	390.0	SURFACE	8
Coal							
Intermediate 1	CLASS A	1,252	16.00	1.12	1,402.24	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,525	15.00	1.29	4,547.25	2,360'	24
Tubing							

Drillers TD (ft) 20,540' Loggers TD (ft) 20,540'
 Deepest formation penetrated MARCELLUS Plug back to (ft) 20,448'
 Plug back procedure N/A

Kick off depth (ft) 6,659' MD

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: 5 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 INTERMEDIATE: 34 CENTRALIZERS - EVERY THIRD JOINT OF CASING
 PRODUCTION: 411 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 _____

API 47- 051 - 02413 Farm name MASON DIXON FARMS, LLC Well number O E BURGE MSH 205H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>MARCELLUS</u>	<u>7,087'</u>	<u>TVD 7,661' MD</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2,975 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 20,548 mcfpd Oil 235 bpd NGL _____ bpd Water 468 bpd
 GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>		<u>BOTTOM</u>		<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

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 RD City THE WOODLANDS State TX Zip 77380

Cementing Company SCHLUMBERGER WELL SERVICES
 Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State TX Zip 77478

Stimulating Company SWN WELL SERVICES
 Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Please insert additional pages as applicable.

Completed by CAROL A. PRUITT Telephone 832-796-3007
 Signature  Title SR. REGULATORY ANALYST Date 6/06/2022

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

RECEIVED Office of Oil and Gas JUN 7 2022 WV Department of Environmental Protection	Job Start Date:	1/11/2022
	Job End Date:	3/11/2022
	State:	West Virginia
	County:	Marshall
	API Number:	47-051-02413-00-00
	Operator Name:	Southwestern Energy
	Well Name and Number:	O E BURGE MSH 205
	Latitude:	39.75087899
	Longitude:	-80.63165198
	Datum:	NAD83
Federal Well:	NO	
Indian Well:	NO	
True Vertical Depth:	7,109	
Total Base Water Volume (gal):	22,601,736	
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	90.76609	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.36199	

			Water	7732-18-5	85.00000	0.36199	
			Water	7732-18-5	85.00000	0.36199	
Sand	SWN Well Services	Proppant					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
Plexslick V996	SWN Well Services	Friction Reducer					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
Tolicide 4Frac	SWN Well Services	Biocide					
				Listed Below			
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Ferriplex 80	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	8.74792	
			Hydrochloric Acid	7647-01-0	15.00000	0.05608	

			Sodium Erythorbate	6381-77-7	100.00000	0.00199	
			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00168	
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00028	
			Ethylene glycol	107-21-1	40.00000	0.00023	
			Ethanol	64-17-5	2.50000	0.00009	
			Cinnamaldehyde	104-55-2	10.00000	0.00006	
			Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	10.00000	0.00006	
			N,N-Dimethylformamide	68-12-2	10.00000	0.00006	
			Isopropyl alcohol	67-63-0	5.00000	0.00003	
			benzyl chloridequaternized	72480-70-7	5.00000	0.00003	
			1-Octanol	111-87-5	5.00000	0.00003	
			1-Decanol	112-30-1	5.00000	0.00003	
			2-Butoxyethanol	111-76-2	5.00000	0.00003	
			Triethyl phosphate	78-40-0	5.00000	0.00003	

* 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)

**O E BURGE MSH 205H
ATTACHMENT 1
PERF REPORT**

RECEIVED
Office of Oil and Gas
JUN 7 2022

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	12/29/2021	20,448	20,354	36
2	1/12/2022	20,320	20,141	36
3	1/13/2022	20,108	19,928	36
4	1/14/2022	19,895	19,716	36
5	1/15/2022	19,683	19,504	36
6	1/19/2022	19,470	19,291	36
7	1/22/2022	19,258	19,079	36
8	1/23/2022	19,045	18,866	36
9	1/26/2022	18,833	18,654	36
10	1/27/2022	18,620	18,441	36
11	1/28/2022	18,408	18,229	36
12	1/30/2022	18,195	18,016	36
13	1/31/2022	17,983	17,804	36
14	1/31/2022	17,770	17,585	72
15	2/1/2022	17,558	17,379	36
16	2/2/2022	17,345	17,166	36
17	2/3/2022	17,133	16,954	36
18	2/7/2022	16,920	16,741	36
19	2/7/2022	16,708	16,529	36
20	2/9/2022	16,495	16,316	36
21	2/9/2022	16,283	16,104	36
22	2/10/2022	16,071	15,891	36
23	2/11/2022	15,858	15,679	36
24	2/12/2022	15,646	15,466	36
25	2/12/2022	15,433	15,254	36
26	2/13/2022	15,221	15,042	36
27	2/15/2022	15,008	14,829	36
28	2/16/2022	14,796	14,617	36
29	2/17/2022	14,583	14,404	36
30	2/18/2022	14,371	14,192	36
31	2/18/2022	14,158	13,979	36
32	2/19/2022	13,946	13,767	36
33	2/20/2022	13,733	13,554	36
34	2/20/2022	13,521	13,342	36
35	2/21/2022	13,308	13,129	36
36	2/22/2022	13,096	12,917	36
37	2/22/2022	12,883	12,704	36
38	2/23/2022	12,671	12,492	36
39	2/23/2022	12,458	12,279	36
40	2/24/2022	12,246	12,067	36
41	2/25/2022	12,033	11,854	36
42	2/26/2022	11,821	11,642	36
43	2/27/2022	11,609	11,429	36

WV Department of
Environmental Protection

**O E BURGE MSH 205H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	2/28/2022	11,396	11,217	36
45	3/1/2022	11,184	11,005	36
46	3/2/2022	10,971	10,792	36
47	3/2/2022	10,759	10,580	36
48	3/3/2022	10,546	10,367	36
49	3/4/2022	10,334	10,155	36
50	3/4/2022	10,121	9,942	36
51	3/5/2022	9,909	9,730	36
52	3/6/2022	9,696	9,517	36
53	3/6/2022	9,484	9,305	36
54	3/7/2022	9,271	9,092	36
55	3/7/2022	9,059	8,880	36
56	3/8/2022	8,846	8,667	36
57	3/9/2022	8,634	8,455	36
58	3/9/2022	8,421	8,242	36
59	3/10/2022	8,209	8,030	36
60	3/11/2022	7,996	7,817	36

O E BURGE MSH 205H
ATTACHMENT 2
STIM REPORT

RECEIVED
Office of Oil and Gas
JUN 7 2022

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	Amount of other
1	1/11/2022	72.5	8,869	9,243	3,522	175,560	8,176	0	0
2	1/12/2022	67.8	7,114	6,205	4,823	303,340	13,649	0	0
3	1/13/2022	98.5	9,159	3,897	4,687	307,340	10,102	0	0
4	1/15/2022	97.5	8,911	5,357	4,954	304,480	9,702	0	0
5	1/19/2022	95.3	9,171	5,420	4,920	303,825	10,160	0	0
6	1/21/2022	95.1	8,821	5,525	4,577	278,920	10,466	0	0
7	1/23/2022	98	9,368	5,541	5,214	303,580	8,735	0	0
8	1/26/2022	97.6	9,513	6,539	5,348	303,300	10,119	0	0
9	1/27/2022	82.8	8,029	5,428	5,487	304,300	8,860	0	0
10	1/28/2022	91.3	8,552	6,033	5,102	305,200	8,933	0	0
11	1/30/2022	85.9	8,117	6,297	5,012	300,830	9,265	0	0
12	1/31/2022	86.9	8,285	5,940	4,755	303,310	10,215	0	0
13	1/31/2022	96.5	9,603	5,978	5,532	303,030	8,647	0	0
14	2/1/2022	85.5	8,198	6,211	5,818	303,540	12,442	0	0
15	2/2/2022	95.5	9,273	5,016	4,769	306,780	9,423	0	0
16	2/3/2022	80.2	7,750	6,132	4,979	302,910	11,161	0	0
17	2/7/2022	91.8	9,278	6,502	4,916	309,950	8,689	0	0
18	2/7/2022	90	9,252	6,615	4,756	304,460	8,686	0	0
19	2/9/2022	96.8	8,924	6,704	4,588	302,760	8,886	0	0
20	2/9/2022	90	8,974	6,204	5,039	305,200	9,071	0	0
21	2/10/2022	82.4	8,017	6,545	5,491	300,570	8,924	0	0
22	2/11/2022	97.9	8,816	6,349	4,803	301,120	8,790	0	0
23	2/11/2022	97.4	8,475	6,102	5,042	306,310	9,027	0	0
24	2/12/2022	98.8	8,248	6,005	4,646	295,400	8,753	0	0
25	2/13/2022	94.7	8,313	6,136	4,818	304,200	8,902	0	0
26	2/15/2022	99.2	8,230	6,214	4,743	300,480	8,700	0	0
27	2/15/2022	96.5	8,463	6,800	4,838	302,570	9,192	0	0
28	2/16/2022	97	8,514	6,555	4,333	303,900	9,663	0	0
29	2/17/2022	94	8,215	6,430	5,326	303,700	9,984	0	0
30	2/18/2022	97	8,334	6,291	4,805	304,640	8,647	0	0
31	2/19/2022	98.3	8,038	6,572	4,782	302,260	8,497	0	0
32	2/19/2022	100	8,802	6,210	5,232	305,040	8,415	0	0
33	2/20/2022	98.3	7,742	6,032	5,103	306,540	8,645	0	0
34	2/21/2022	97.4	7,754	6,724	5,198	308,970	8,398	0	0
35	2/21/2022	99	8,494	6,501	5,154	310,480	9,159	0	0
36	2/22/2022	99.5	7,840	6,784	4,436	302,200	8,821	0	0
37	2/23/2022	95	7,751	6,170	4,615	312,740	8,469	0	0
38	2/23/2022	96.3	7,726	6,475	5,325	302,920	9,108	0	0
39	2/24/2022	99.6	7,940	6,556	4,752	300,960	8,415	0	0
40	2/25/2022	95.8	8,131	6,910	4,607	314,560	8,374	0	0
41	2/26/2022	99.9	7,997	6,340	5,081	309,900	8,155	0	0
42	2/27/2022	96.4	7,444	5,277	5,787	302,450	8,622	0	0
43	2/28/2022	95.3	7,582	5,583	4,733	309,220	8,285	0	0
44	3/1/2022	91.3	8,836	6,505	4,556	311,820	8,223	0	0
45	3/2/2022	94.2	8,324	6,452	6,025	303,880	8,099	0	0
46	3/2/2022	98.3	7,645	6,243	5,697	300,830	8,640	0	0
47	3/3/2022	92.1	7,222	6,357	4,635	305,280	9,268	0	0
48	3/4/2022	98.3	8,082	6,474	4,703	303,080	8,327	0	0
49	3/4/2022	96.7	8,109	5,265	8,004	309,490	8,195	0	0
50	3/5/2022	98.7	7,986	6,504	4,640	311,790	8,461	0	0
51	3/5/2022	97.5	7,897	6,071	4,560	310,240	8,335	0	0
52	3/6/2022	90.4	8,631	6,222	5,031	310,500	8,361	0	0
53	3/7/2022	99.3	8,117	6,060	4,538	311,900	8,255	0	0

O E BURGE MSH 205H

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/other
54	3/7/2022	83	6,933	6,436	5,126	307,860	7,858	0
55	3/8/2022	97.8	7,918	6,441	4,676	307,730	8,306	0
56	3/9/2022	99.2	7,939	6,036	4,685	307,380	8,231	0
57	3/9/2022	98.5	8,132	5,564	4,618	303,980	8,078	0
58	3/10/2022	91.8	6,853	5,691	4,975	309,440	9,699	0
59	3/11/2022	99.8	7,566	5,981	4,523	309,990	8,341	0
60	3/11/2022	99	8,015	5,955	4,796	309,210	8,199	0

Latitude: 39°47'30" SURFACE HOLE 1,869'

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

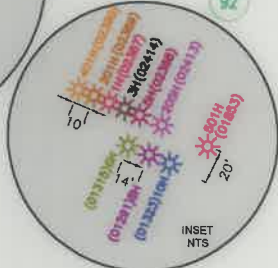
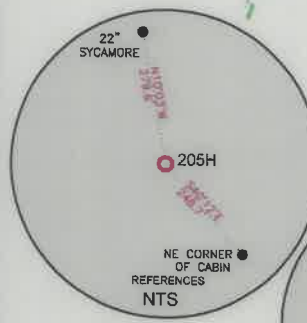
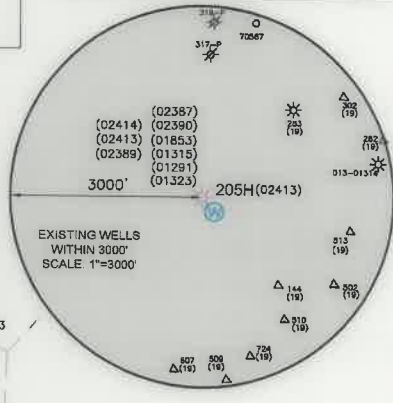
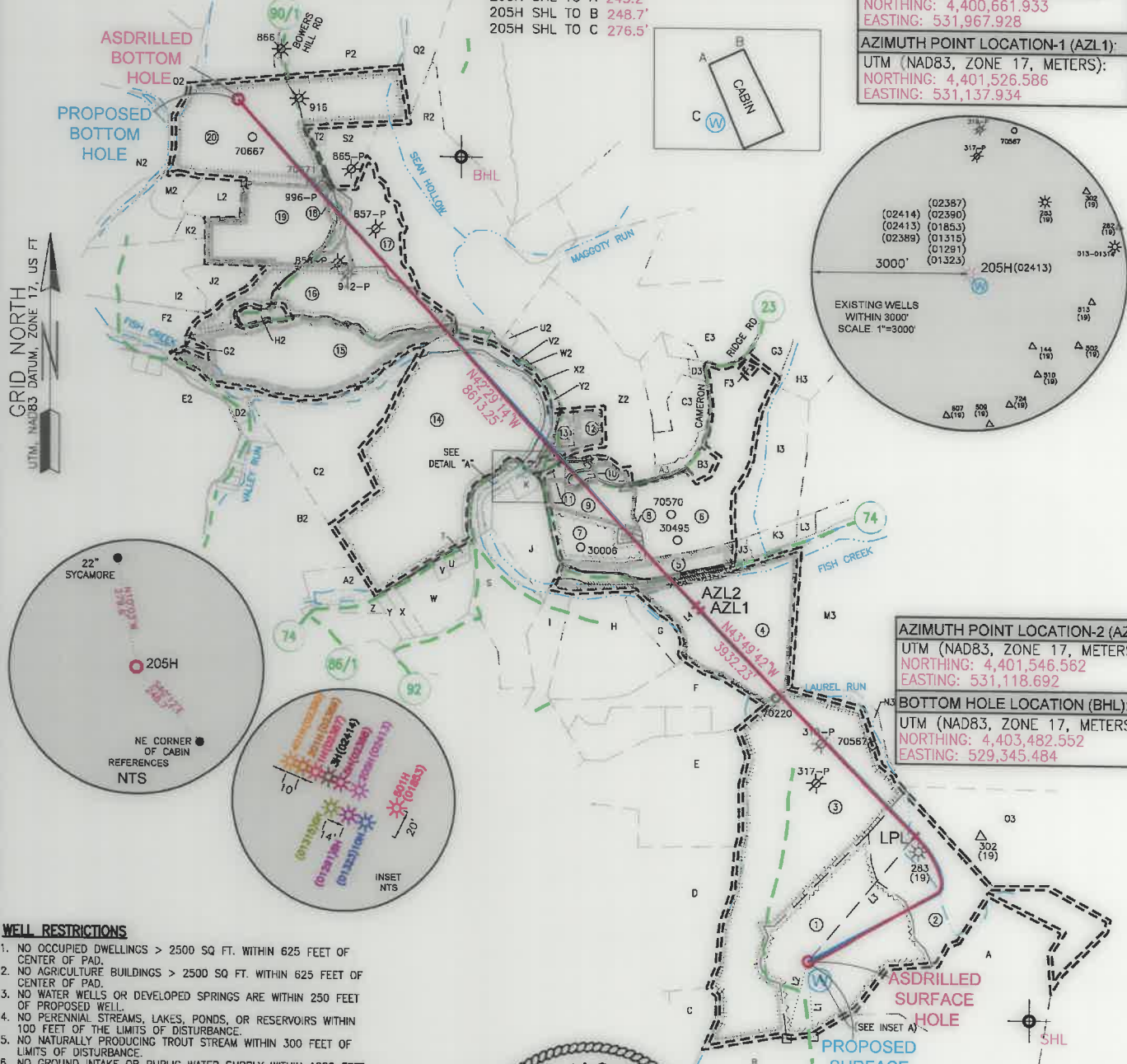
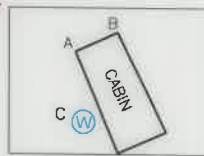
Latitude: 39°47'30"

BOTTOM HOLE 9,079'

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 03°33'29" E	951.82'	SHL TO LANDMARK	30" BLACK OAK FD
L2	S 15°45'01" W	1015.85'	SHL TO LANDMARK	3/4" REBAR FOUND
L4	N 43°55'37" W	91.00'	AZL1 TO AZL2	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 40°05'35" E	2,098.16'	2,700.14'	SHL TO LP

SURFACE HOLE LOCATION (SHL)	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,400,172.683
	EASTING: 531,556.078
LANDING POINT LOCATION (LPL)	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,400,661.933
	EASTING: 531,967.928
AZIMUTH POINT LOCATION-1 (AZL1)	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,401,526.586
	EASTING: 531,137.934

205H SHL TO A 243.2'
205H SHL TO B 248.7'
205H SHL TO C 276.5'



AZIMUTH POINT LOCATION-2 (AZL2):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,401,546.562
	EASTING: 531,118.692
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,403,482.552
	EASTING: 529,345.484

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.

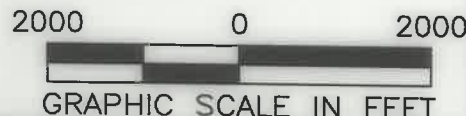
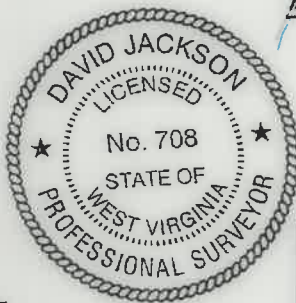
NOTES ON SURVEY

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	OE BURGE MSH
	PROVEN SURVEY SOURCE OF ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 205H
	API WELL #:	47 051 02413
		STATE COUNTY PERMIT

WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	ELEVATION: 1342.1'
WATERSHED: LAUREL RUN OF FISH CREEK (HUC-10)	QUADRANGLE: GLEN EASTON, WV
DISTRICT: LIBERTY COUNTY: MARSHALL	ACREAGE: ±66.02
SURFACE OWNER: MASON DIXON FARMS, LLC	ACREAGE: ±66.02
OIL & GAS ROYALTY OWNER: O. E. BURGE ET AL	
DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) ASDRILLED	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 7,150' 09/09/2022

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT RD., SUITE 200	ADDRESS: 1300 FORT PIERPONT RD., SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE:
PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL EXISTING WATER WELL EXISTING SPRING	SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH	05-18-2022 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	MASON DIXON FARMS LLC (S)	07-0018-5
2	MASON DIXON FARMS LLC (S)	07-0018-6
3	MASON DIXON FARMS LLC (S)	07-0017-36
4	MASON DIXON FARMS LLC (S)	07-0017-35
5	OLDFIELD KAREN K ET AL (S)	07-0017-37.1
6	COTTRELL SAMUEL L (S)	07-0017-10
7	BUTLER BENJAMIN ET UX (S)	07-0017-9.3
8	MATZ BRETT J (S)	07-0017-9.1
9	JOBES STEPHEN (S)	07-0017-9
10	BLEDSE DAVID R (S)	07-0017-9.2
11	MASON ERIC T (S)	07-0009-12
12	RICHMOND BERT KENNETH ET UX (S)	07-0009-10
13	HAYWARD CHARLES JR & LISA K (S)	07-0009-10.1
14	BUZZARD JOANN (S)	07-0017-3
15	WILLIAMS ROBERT W & DEBRA JEAN (S)	07-0009-5
16	DOBBS ADA C ET AL (S)	07-0009-4
17	CONSOLIDATION COAL COMPANY MURRAY ENERGY (S)	07-0009-3
18	ANDRICH THOMAS M JR EST ET UX (S)	09-0015-8.1
19	ANDRICH THOMAS M JR EST ET UX	09-0015-8
20	CONSOLIDATION COAL COMPANY MURRAY ENERGY (S)	09-0015-6



ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MASON DIXON FARMS LLC	07-0018-7
B	MASON DIXON FARMS LLC	07-0018-8.1
C	CROW HOY GLENN ET UX	07-0018-11
D	BAKER DONALD RAY	07-0018-3
E	MASON DIXON FARMS LLC	07-0017-37
F	SCOTT AARON COLE & SAMANTHA	07-0017-37.4
G	WALLACE RODNEY J & DIANNA L	07-0017-37.3
H	WALLACE RODNEY J ET UX	07-0017-37.6
I	MASON DIXON FARMS LLC	07-0017-37.5
J	COLUMBIA GAS TRANSMISSION	07-0017-6
K	COLUMBIA GAS TRANSMISSION	07-0017-7
L	W VA DEPT OF HIGHWAYS	07-0009-12.1
M	SPONAUGLE QUINTIN M ET UX	07-0009-11
N	W VA DEPT OF HIGHWAYS	07-0009-11.1
O	W VA DEPT OF HIGHWAYS	07-0017-3.2
P	W VA DEPT OF HIGHWAYS	07-0017-7.1
Q	COLUMBIA GAS TRANSMISSION	07-0017-4
R	W VA DEPT OF HIGHWAYS	07-0017-3.2
S	MASON DIXON FARMS LLC	07-0017-38
T	BUZZARD GUY L	07-0017-38.1
U	BUZZARD GUY L	07-0017-38.2
V	BUZZARD GUY LAMONT	07-0017-38.4
W	BUZZARD GUY L	07-0017-38.3
X	STERN SHAWN GLENN	07-0017-38.6
Y	STERN JERRY GLENN ET UX - LIFE	07-0017-38.5
Z	STERN JERRY G ET UX - LIFE	07-0017-1.2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A2	STERN JERRY GLENN - LIFE	07-0017-1.7
B2	STERN FAMILY FARM LLC	07-0017-1
C2	STERN FAMILY FARM LLC	07-0017-2
D2	EWING MICHELLE R	09-0017-24
E2	MASON J MONT EST	09-0017-17
F2	HALL ROBERT L	09-0015-22
G2	CRISWELL JEREMY M & KAYLA M	09-0017-18
H2	MASTERS STEVEN D & MONICA M	07-0009-4.1
I2	HALL ROBERT L	09-0015-20
J2	HALL ROBERT L	09-0015-21
K2	HALL ROBERT L	09-0015-9
L2	ANDRICH THOMAS M JR EST ET UX	09-0015-8.2
M2	TYLER WILLIAM A ET AL	09-0015-10
N2	BYERS RICHARD W	09-0015-12
O2	BYERS RICHARD W	09-0015-5
P2	MEYER ANNA E EST	09-0012-35
Q2	CONSOLIDATION COAL COMPANY MURRAY ENERGY	09-0012-36
R2	ASTON PAUL & SUSAN (S)	07-0009-2
S2	CONSOLIDATION COAL COMPANY MURRAY ENERGY (S)	09-0015-7
T2	WOODS RONALD L & LISA	09-0015-7.1
U2	J & T ENTERPRISES	07-0009-9.1
V2	MAGNONE WILLIAM NICHOLAS I & ARLENE C - LIFE	07-0009-8
W2	ASTON PAUL ET UX	07-0009-7.1
X2	ASTON CHAD EVERETT ET UX	07-0009-7
Y2	ASTON CHAD EVERETT ET UX	07-0009-6
Z2	HAYWARD CHARLES JR & LISA K	07-0009-9
A3	WARREN JAMES ROBERT	07-0009-13
B3	COTTRELL SAMUEL F ET UX	07-0017-10.1
C3	CONSOL MINING COMPANY LLC	07-0009-15
D3	WILLIAMS CHAD R & BETSY J	07-0009-16
E3	CONSOL MINING COMPANY LLC	07-0009-19
F3	COTTRELL SAMUEL L	07-0017-10.2
G3	COTTRELL SAMUEL L	07-0009-31
H3	MCCULLEY BETTY TAYLOR ET VIR	07-0009-34
I3	MCCULLEY BETTY TAYLOR ET VIR	07-0017-13
J3	JOHNSON ROBERT & KATHY	07-0017-8
K3	BARTSCH DAVID	07-0017-12
L3	MASON DIXON FARMS LLC	07-0017-16.1
M3	MASON DIXON FARMS LLC	07-0017-33
N3	WARREN JAMES ROBERT	07-0017-34
O3	MASON DIXON FARMS LLC	07-0019-1

DETAIL "A"



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,172.646 EASTING: 531,556.164
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,400,656.444 EASTING: 531,976.124
AZIMUTH POINT LOCATION-1 (AZL1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,525.924 EASTING: 531,131.226
AZIMUTH POINT LOCATION-2 (AZL2):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,545.934 EASTING: 531,112.386
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,403,481.580 EASTING: 529,346.496

REVISIONS:	COMPANY:	 		09/09/2022
	OPERATOR'S	OE BURGE MSH	API	DATE: 05-18-2022
	WELL #:	205H	47-051-02413	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	LIBERTY	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 2