

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

API 47-051-02500 County MARSHALL District UNION
 Quad MOUNDSVILLE Pad Name DAVID REINBEAU-MSH-PAD1 Field/Pool Name NORTH VICTORY FIELD WET
 Farm Name SHELLY A. & DAVID W REINBEAU Well Number DAVID REINBEAU MSH 6H
 Operator (as registered with the OOG) SWN Production Company LLC
 Address PO Box 12359 City Spring State TX
 Zip 77391-2359

As Drilled Location NAD83/UTM Attach an as-drilled plat, profile view, and deviation survey
 Top Hole Northing 4,427,005.236 Easting 528,890.011
 Landing Point of Curve Northing 4,426,839.792 Easting 528,737.937
 Bottom Hole Northing 4,420,808.629 Easting 530,869.590

Elevation (ft) 1,251.2' GL Type of Well New Existing Type of Report Interim Final
 Permit Type Deviate Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
 Type of Operation Convert Deepen Drill Plug Back Redrill Re-Work 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
 See attached Mud Summary Report

Date permit issued 2023-06-23 Date drilling commenced 2023-09-12 Date drilling ceased 2023-09-29
 Date Completion activities began 2024-01-01 Date Completion activities ceased 2024-02-22
 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 426' Oprn mine(s) (Y/N) depths N
 Salt water depth(s) ft 883' Void(s) encountered (Y/N) depths N
 Coal depth(s) ft 775' Cavern(s) encountered (Y/N) depths N
 Is coal being mined in area (Y/N) N

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 06/14/2024

API 47-051-02500

Farm name SHELLY A. & DAVID W. REINBEAU

Well number DAVID REINBEAU MSH 6H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Wt lb/ft	Grade	Basket Depth	Did cement circulate (Y/N) *Provide details below*
Conductor	20.000	20.000	136	New	J-55	94.00		Y
Surface	17.500	13.375	477	New	J-55	54.50		Y/ 30 BBLS
Coal	SEE INTERMEDIATE							
Intermediate 1	12.250	9.625	2075	New	J-55	36.00		Y/ 20 BBLS
Intermediate 2								
Intermediate 3								
Production	8.500	5.500	27840	New	P-100 HP	20.00		Y/ 65 BBLS
Tubing		2.875	6771	New	6.50	P-110		
Packer type and depth set								

Comment Detail: _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ²)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	487	15.6	1.19	579.53	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	675	15.6	1.19	803.25	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	5343	14.5	1.29	6892.47	SURFACE	24
Tubing							

Drillers TD (ft) 27,850

Loggers TD (ft) 27,850

Deepest formation penetrated MARCELLUS

Plug back to (ft) 27,754

Plug back procedure N/A

Kick off depth (ft) 5,735' MD

Check all wireline logs run caliper density deviated/directional induction sonic

neutron resistivity gamma ray temperature

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: 25 CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 599 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

WAS WELL COMPLETED AS SHOT HOLE Yes No Details _____

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WAS WELL COMPLETED AS OPEN HOLE Yes No Details _____

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

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API 47-051-02500 Farm name SHELLY A. & DAVID W. REINBEAU Well number DAVID REINBEAU MSH 6H

PRODUCING FORMATION(S)	DEPTHS			
<u>MARCELLUS</u>	<u>6,353'</u>	<u>TVD</u>	<u>6,628'</u>	<u>MD</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Please insert additional pages applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2895 psi Bottom Hole _____ psi DURATION OF TEST (hrs) _____

OPEN FLOW GAS 8,712 mcpd OIL 817 bpd NGL _____ bpd WATER 1,704 bpd GAS MEASURED BY Estimate Orifice Pilot

LITHOLOGY/ FORMATION TOP DEPTH IN FT BOTTOM DEPTH IN FT TOP DEPTH IN FT BOTTOM DEPTH IN FT DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)

FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)
					SEE ATTACHMENT 3
					RECEIVED Office of Oil and Gas
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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 RD City IE WOODLANI State TX Zip 77380

Cementing Company SCHLUMBERGER Address 110 SCHLUMBERGER DRIVE City SUGAR LANE State TX Zip 77478

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

Please insert additional pages as applicable.

Completed by Denise Grantham Telephone 832.796.6139 Signature Denise Grantham Title Regulatory Specialist Date 4.4.2024

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

**DAVID REINBEAU MSH 6H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	12/15/2023	27,754	27,662	36
2	1/1/2024	27,626	27,449	36
3	1/2/2024	27,416	27,239	36
4	1/2/2024	27,206	27,029	36
5	1/3/2024	26,996	26,819	36
6	1/3/2024	26,786	26,609	36
7	1/4/2024	26,576	26,399	36
8	1/5/2024	26,366	26,189	36
9	1/5/2024	26,156	25,979	36
10	1/5/2024	25,946	25,769	36
11	1/6/2024	25,736	25,559	36
12	1/6/2024	25,526	25,349	36
13	1/7/2024	25,316	25,139	36
14	1/7/2024	25,106	24,929	36
15	1/8/2024	24,896	24,719	36
16	1/8/2024	24,686	24,509	36
17	1/8/2024	24,476	24,299	36
18	1/9/2024	24,266	24,089	36
19	1/9/2024	24,056	23,879	36
20	1/11/2024	23,846	23,669	36
21	1/11/2024	23,636	23,459	36
22	1/12/2024	23,426	23,249	36
23	1/13/2024	23,216	23,039	36
24	1/13/2024	23,006	22,829	36
25	1/14/2024	22,796	22,619	36
26	1/14/2024	22,586	22,409	36
27	1/15/2024	22,376	22,199	30
28	1/15/2024	22,166	21,990	36
29	1/15/2024	21,957	21,780	36
30	1/16/2024	21,747	21,570	36
31	1/18/2024	21,537	21,360	36
32	1/19/2024	21,327	21,150	36
33	1/19/2024	21,117	20,940	36
34	1/20/2024	20,907	20,730	36
35	1/20/2024	20,697	20,520	36
36	1/21/2024	20,487	20,310	36
37	1/21/2024	20,277	20,100	36
38	1/22/2024	20,067	19,890	36
39	1/22/2024	19,857	19,680	36
40	1/23/2024	19,647	19,470	36
41	1/23/2024	19,437	19,260	36
42	1/24/2024	19,227	19,050	36
43	1/24/2024	19,017	18,840	36
44	1/24/2024	18,807	18,630	36
45	1/25/2024	18,597	18,420	36

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
46	1/25/2024	18,387	18,210	36
47	1/25/2024	18,177	18,000	36
48	1/26/2024	17,967	17,790	36
49	1/26/2024	17,757	17,580	36
50	1/27/2024	17,547	17,370	36
51	1/27/2024	17,337	17,160	36
52	1/27/2024	17,127	16,950	36
53	1/27/2024	16,917	16,740	36
54	1/28/2024	16,707	16,530	36
55	1/28/2024	16,497	16,320	36
56	1/28/2024	16,287	16,110	36
57	2/1/2024	16,077	15,900	36
58	2/2/2024	15,867	15,690	36
59	2/2/2024	15,657	15,480	36
60	2/3/2024	15,447	15,270	36
61	2/3/2024	15,237	15,060	36
62	2/3/2024	15,027	14,850	36
63	2/4/2024	14,817	14,640	36
64	2/4/2024	14,607	14,430	36
65	1/26/2024	14,397	14,220	36
66	2/5/2024	14,187	14,010	36
67	2/5/2024	13,977	13,800	36
68	2/5/2024	13,767	13,590	36
69	2/6/2024	13,557	13,380	36
70	2/6/2024	13,347	13,170	36
71	2/6/2024	13,137	12,960	36
72	2/7/2024	12,927	12,750	36
73	2/7/2024	12,717	12,540	36
74	2/7/2024	12,507	12,330	36
75	2/8/2024	12,297	12,120	36
76	2/8/2024	12,087	11,910	36
77	2/9/2024	11,877	11,700	36
78	2/9/2024	11,667	11,490	36
79	2/9/2024	11,457	11,280	36
80	2/9/2024	11,247	11,070	36
81	2/10/2024	11,037	10,861	36
82	2/10/2024	10,828	10,651	36
83	2/10/2024	10,618	10,441	36
84	2/11/2024	10,408	10,231	36
85	2/11/2024	10,198	10,021	36
86	2/11/2024	9,988	9,811	36
87	2/11/2024	9,778	9,601	36
88	2/11/2024	9,568	9,391	36
89	2/11/2024	9,358	9,181	36
90	2/12/2024	9,148	8,971	36

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
91	2/12/2024	8,938	8,761	36
92	2/12/2024	8,728	8,551	36
93	2/12/2024	8,518	8,341	36
94	2/12/2024	8,308	8,131	36
95	2/13/2024	8,098	7,921	36
96	2/13/2024	7,888	7,711	36
97	2/13/2024	7,678	7,501	36
98	2/13/2024	7,468	7,291	36
99	2/13/2024	7,258	7,081	36
100	2/13/2024	7,048	6,871	36
101	2/13/2024	6,838	6,661	36

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DAVID REINBEAU MSH 6H
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 (bbl)	Amount of nitrogen/other
1	1/1/2024	71.3	8,240	2,910	3,601	192,480	7,946	0
2	1/1/2024	75.6	8,690	5,088	3,812	367,500	10,471	0
3	1/2/2024	73.6	7,972	2,568	4,121	367,500	11,273	0
4	1/3/2024	84.7	8,675	4,613	4,521	370,060	10,407	0
5	1/3/2024	88.5	9,636	5,014	4,825	367,760	10,202	0
6	1/4/2024	83	9,192	4,785	4,794	363,900	10,120	0
7	1/4/2024	85.3	9,542	6,380	4,485	366,980	9,419	0
8	1/5/2024	82	9,478	7,069	4,421	368,060	9,589	0
9	1/5/2024	91.7	9,847	6,407	4,835	366,980	9,592	0
10	1/6/2024	72.9	8,532	6,730	4,620	367,580	9,498	0
11	1/6/2024	91	9,697	5,836	4,952	367,700	9,263	0
12	1/6/2024	84.3	9,374	5,412	4,646	365,320	9,517	0
13	1/7/2024	90.1	9,097	6,013	4,687	367,500	9,662	0
14	1/7/2024	80.7	9,710	6,266	4,877	367,240	9,507	0
15	1/8/2024	87.3	9,843	6,781	4,685	366,980	9,329	0
16	1/8/2024	96.8	9,314	5,823	4,762	366,960	9,454	0
17	1/8/2024	92.9	9,687	4,977	4,651	369,400	9,655	0
18	1/9/2024	83	8,632	5,184	4,528	365,640	10,473	0
19	1/10/2024	90.5	9,661	4,818	4,782	367,400	9,377	0
20	1/11/2024	91	9,535	6,121	4,825	369,200	9,162	0
21	1/11/2024	87.9	9,909	6,523	3,855	366,160	9,333	0
22	1/12/2024	90.3	9,720	6,327	4,625	367,280	9,155	0
23	1/13/2024	89.8	9,888	6,107	4,358	366,360	9,394	0
24	1/13/2024	85.5	9,933	6,747	4,652	366,580	9,095	0
25	1/14/2024	90.7	9,569	5,728	4,538	367,720	9,127	0
26	1/14/2024	79	9,039	6,365	4,421	364,780	9,191	0
27	1/15/2024	91.2	9,747	6,381	4,536	365,640	9,100	0
28	1/15/2024	97	9,398	6,660	4,150	367,780	8,950	0
29	1/16/2024	84.4	9,298	6,070	4,152	369,000	8,754	0
30	1/16/2024	96.7	9,342	6,310	4,489	364,540	9,422	0
31	1/18/2024	89.6	9,362	3,308	5,367	365,680	9,041	0
32	1/19/2024	72.5	8,077	5,264	4,145	366,880	9,188	0
33	1/19/2024	90.1	9,219	6,211	4,953	366,680	9,112	0
34	1/20/2024	84	8,977	6,700	3,753	366,520	9,136	0
35	1/20/2024	91.9	9,655	3,057	5,317	367,380	8,308	0
36	1/21/2024	87.6	9,085	6,234	4,658	364,740	8,843	0
37	1/22/2024	98.2	9,954	4,775	5,531	366,180	8,625	0
38	1/22/2024	85.4	9,067	6,516	3,829	366,080	8,676	0
39	1/22/2024	90.4	9,331	6,369	5,304	367,860	8,424	0
40	1/23/2024	92.1	9,005	6,337	4,531	367,620	8,750	0
41	1/23/2024	95.3	9,739	3,017	5,319	366,920	8,396	0
42	1/24/2024	84.9	8,083	5,808	4,641	367,300	8,574	0
43	1/24/2024	92.7	8,899	6,550	5,196	366,980	8,359	0
44	1/25/2024	93.5	9,392	6,381	5,413	366,840	8,306	0
45	1/25/2024	81.7	8,479	6,266	4,469	341,520	8,213	0
46	1/25/2024	91.3	9,121	4,681	5,530	364,220	8,246	0
47	1/26/2024	89.8	8,887	6,309	5,179	366,080	8,100	0
48	1/26/2024	82	8,295	5,387	5,102	364,360	8,392	0
49	1/26/2024	94.1	8,845	4,297	5,197	367,000	8,013	0
50	1/27/2024	80.3	8,272	4,065	4,710	367,180	7,778	0
51	1/27/2024	90.5	9,259	6,707	5,588	367,960	7,770	0
52	1/27/2024	93.1	8,608	4,989	5,294	367,660	7,610	0
53	1/28/2024	95.1	9,077	2,891	5,483	365,520	7,728	0

**DAVID REINBEAU MSH 6H
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
54	1/28/2024	92.5	9,189	6,322	5,433	369,080	7,774	0
55	1/28/2024	86.9	8,599	6,313	5,127	364,560	7,614	0
56	1/29/2024	86.7	8,309	2,318	5,482	370,060	7,763	0
57	2/1/2024	96.7	9,107	4,957	4,528	367,640	8,574	0
58	2/2/2024	83.8	8,534	7,419	4,110	365,300	7,770	0
59	2/2/2024	86.2	8,151	6,920	4,625	365,140	7,612	0
60	2/3/2024	81.7	7,961	6,901	4,153	327,700	7,233	0
61	2/3/2024	89.8	8,163	7,072	4,538	365,760	7,746	0
62	2/3/2024	85	7,741	5,691	4,800	367,260	7,631	0
63	2/4/2024	93	8,166	6,733	4,388	367,700	7,776	0
64	2/4/2024	84.7	7,504	6,425	4,798	366,560	7,739	0
65	2/5/2024	95.8	8,404	5,048	4,900	366,900	7,815	0
66	2/5/2024	85.7	7,733	6,651	4,512	366,660	7,494	0
67	2/5/2024	95.1	8,271	6,212	4,586	367,960	7,642	0
68	2/6/2024	92.4	8,150	6,480	4,798	361,880	7,484	0
69	2/6/2024	95	8,241	6,869	4,321	367,340	7,609	0
70	2/6/2024	88	8,557	6,074	4,358	367,380	7,519	0
71	2/7/2024	92.3	8,085	5,616	4,469	367,480	7,720	0
72	2/7/2024	82.1	7,524	6,947	4,419	368,160	7,623	0
73	2/7/2024	95.1	8,128	5,509	4,358	367,160	7,552	0
74	2/8/2024	96	7,914	4,204	4,750	367,000	7,563	0
75	2/8/2024	93.9	7,961	6,006	4,388	366,920	7,440	0
76	2/8/2024	97.1	8,227	5,785	4,685	367,280	7,415	0
77	2/9/2024	97.1	8,038	5,575	4,625	366,160	7,357	0
78	2/9/2024	86.2	7,312	6,430	4,305	367,460	7,305	0
79	2/9/2024	97	7,372	3,909	4,896	366,760	7,370	0
80	2/10/2024	97	7,849	4,269	4,469	365,920	7,368	0
81	2/10/2024	94.2	7,669	6,062	4,203	369,440	7,346	0
82	2/10/2024	97	7,318	4,668	4,650	367,720	7,099	0
83	2/10/2024	97	7,126	3,596	4,750	370,140	7,424	0
84	2/11/2024	97.5	7,461	5,148	4,115	372,040	7,302	0
85	2/11/2024	94.2	7,361	4,782	4,315	368,920	7,376	0
86	2/11/2024	90.7	7,014	6,091	4,200	369,200	7,214	0
87	2/11/2024	97.1	7,756	3,969	4,458	365,940	7,273	0
88	2/11/2024	97	6,204	4,180	4,689	368,460	7,291	0
89	2/11/2024	97	7,113	4,240	4,358	367,280	7,126	0
90	2/12/2024	97	7,429	3,875	4,234	367,200	7,186	0
91	2/12/2024	94	6,839	3,901	4,401	367,860	7,039	0
92	2/12/2024	90.2	6,650	3,847	4,442	367,700	6,907	0
93	2/12/2024	99	6,839	3,692	4,950	366,720	7,011	0
94	2/12/2024	99	7,416	5,878	4,850	366,280	7,065	0
95	2/13/2024	97.8	6,804	3,947	5,010	364,580	6,965	0
96	2/13/2024	85.6	6,379	3,931	4,391	369,320	6,651	0
97	2/13/2024	95	6,512	4,321	4,347	368,460	7,148	0
98	2/13/2024	94.8	6,529	5,018	4,257	366,680	6,886	0
99	2/13/2024	97.4	6,860	4,950	4,569	365,980	7,007	0
100	2/13/2024	97.4	6,532	6,148	4,698	368,040	7,168	0
101	2/14/2024	80.1	6,167	5,728	4,685	365,580	6,765	0

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APR 05 2024

WV Department of
Environmental Protection **06/14/2024**



Well Name:

David Reinbeau MSH 6H

47051025000000

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WV Department of
Environmental Protection

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	426.00	426.00	
Top of Salt Water	883.00	883.00	NA	NA	
Pittsburgh Coal	775.00	775.00	782.00	782.00	
Pottsville (ss)	883.00	883.00	1022.00	1022.00	
Raven Cliff (ss)	1221.00	1220.00	1461.00	1459.00	
Maxton (ss)	1461.00	1459.00	1787.00	1783.00	
Big Injun (ss)	1898.00	1892.00	2025.00	2018.00	
Berea (siltstone)	2332.00	2324.00	2353.00	2343.00	
Rhinestreet (shale)	5825.00	5781.00	6098.00	6038.00	
Cashqua (shale)	6098.00	6038.00	6171.00	6100.00	
Middlesex (shale)	6171.00	6100.00	6246.00	6158.00	
Burket (shale)	6280.00	6184.00	6305.00	6201.00	
Tully (ls)	6305.00	6201.00	6366.00	6241.00	
Mahantango (shale)	6366.00	6241.00	6613.00	6349.00	
Marcellus (shale)	6628.00	6353.00	NA	NA	GAS

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/31/2023
Job End Date:	02/14/2024
State:	West Virginia
County:	Marshall
API Number:	47-051-02500-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	DAVID REINBEAU MSH 6H
Latitude:	39.992747
Longitude:	-80.661556
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6520
Total Base Water Volume (gal)*:	34927044
Total Base Non Water Volume:	36958981



Water Source	Percent
Surface Water, < 1000TDS	87.00%
Produced Water	13.00%

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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					
Excelerate LX-15	SWN Well Services	Friction Reducer					
FE-1A	SWN Well Services	Iron Control					
HAI-501	SWN Well Services	Corrosion Inhibitor					
HCL	SWN Well Services	Solvent					
MC MX 2-2822	SWN Well Services	Scale Inhibitor					
Sand	SWN Well Services	Proppant					
Tolcide 4Frac	SWN Well	Biocide					

06/14/2024

Services						
Items above are Trade Names. Items below are the individual ingredients.						
			Water	7732-18-5	100.00000	88.47652
			Crystalline silica, quartz	14808-60-7	100.00000	11.18067
			Water	7732-18-5	85.00000	0.21150
			Complex Amine Compound	Proprietary	50.00000	0.03960
			Hydrochloric acid	7647-01-0	15.00000	0.03732
			Hydrotreated light petroleum distillate	64742-47-8	25.00000	0.01980
			Water	7732-18-5	18.00000	0.01425
			Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	45.00000	0.00466
			Water	7732-18-5	45.00000	0.00466
			Surfactant	Proprietary	5.00000	0.00396
			Water	7732-18-5	55.00000	0.00152
			Acetic anhydride	108-24-7	65.00000	0.00082
			Ethoxylated alcohols	Proprietary	1.00000	0.00079
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00079
			Quaternary Ammonium Compounds	68424-85-1	7.50000	0.00078
			Methanol	67-56-1	20.00000	0.00055
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated, sodiumsalts	70900-16-2	20.00000	0.00055
			Acetic acid	64-19-7	35.00000	0.00044
			Ethanol	64-17-5	2.50000	0.00026
			Methanol	67-56-1	60.00000	0.00024
			Sodium chloride	7647-14-5	5.00000	0.00014
			Modified thiourea polymer	Proprietary	30.00000	0.00012
			Propargyl alcohol	107-19-7	5.00000	0.00002
			Ethoxylated alcohols	Proprietary	5.00000	0.00002

* 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%

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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Office of Oil and Gas

APR 05 2024

WV Department of Environmental Protection
06/14/2024

Latitude: 40°00'00" SURFACE HOLE 10,250'

Latitude: 39°57'30" BOTTOM HOLE

3,838'

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

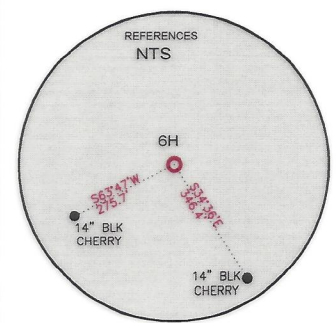
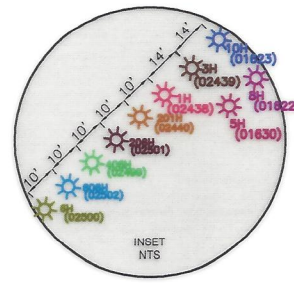
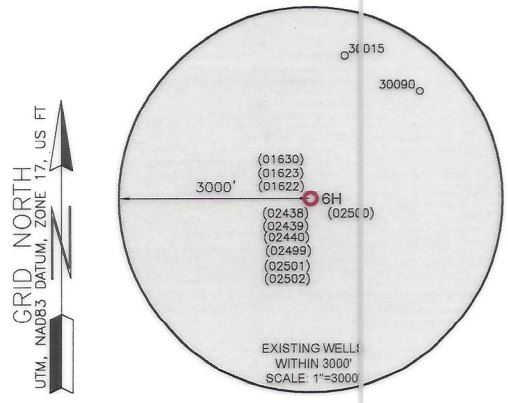
Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

Table with 2 columns: SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), BOTTOM HOLE LOCATION (BHL). Each row contains UTM coordinates (NORTHING, EASTING).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L5.



Longitude: 80°37'30" BOTTOM HOLE 7,833' SURFACE HOLE 2,648'

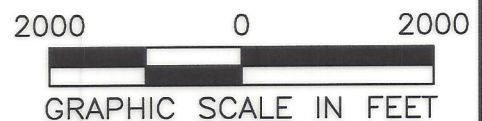
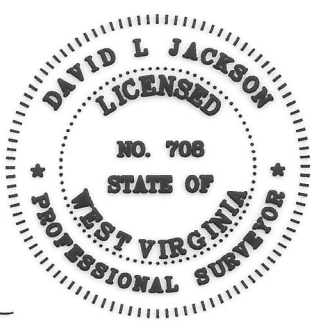


- WELL RESTRICTIONS: 1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD. 2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD. 3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL. 4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 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. 4. 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 SWN Production Company™

(+) 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)

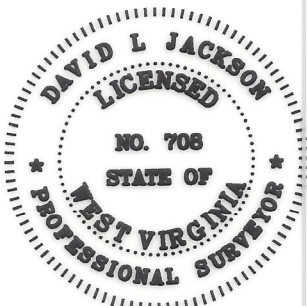
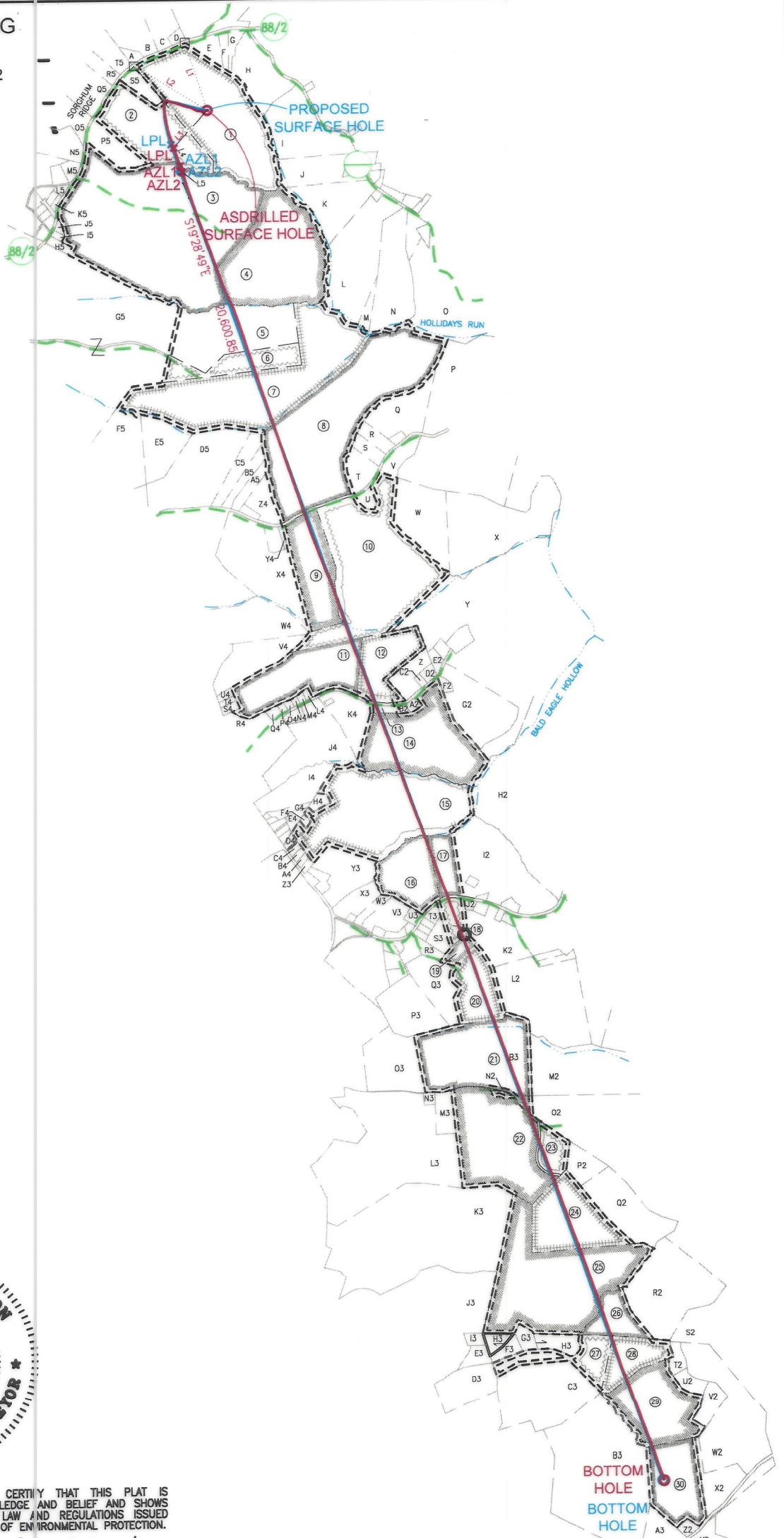
DAVID REINBEAU MSH OPERATOR'S WELL #: 6H API WELL #: 47 STATE 051 COUNTY 02500 PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [X] DEEP [] GAS [X] LIQUID INJECTION [] STORAGE [] SHALLOW [X] WATERSHED: HOLLIDAYS RUN OF WHEELING CREEK (HUC-10) DISTRICT: UNION COUNTY: MARSHALL SURFACE OWNER: SHELLY A. & DAVID W. REINBEAU OIL & GAS ROYALTY OWNER: SHELLY A. & DAVID W. REINBEAU DRILL [] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION [] CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [X] (SPECIFY) ASDRILLED ESTIMATED DEPTH: 6,521 TMD 27,850 TMD

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

Table with 2 columns: LEGEND (PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH) and REVISIONS/DATE.

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



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*

06/14/2024

REVISIONS:	COMPANY:			DATE: 10-11-2023
	OPERATOR'S	DAVID REINBEAU MSH		DRAWN BY: N. MANO
	WELL #:	6H		SCALE: N/A
	DISTRICT:	COUNTY:	STATE:	DRAWING NO:
	UNION	MARSHALL	WV	WELL LOCATION PLAT 2



**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	REINBEAU SHELLY A & DAVID W (S/R)	13-8-29
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINBEAU SHELLY A & DAVID W (S)	13-8-27
3	MCCOMBS JOHN A SR, THOMAS E & BETH (S)	13-8-26
4	MCCOMBS JOHN A SR, THOMAS E & BETH (S)	13-8-11
5	CONNER AMBER D & DAVID HANES JR (S)	13-8-14
6	CONNER AMBER D & DAVID HANES JR (S)	13-8-13
7	CONNER AMBER D & DAVID HANES JR (S)	13-8-12
8	ROCKY PEARL FARM LLC (S)	13-9-6
9	JONES NICHOLAS & EVELINE J (S)	13-9-8
10	EDISON MARK C ET UX (S)	13-9-9
11	ELIAS GRANT THOMAS ET UX (S)	13-9-32
12	BERTRAM BRIAN B & ADDIE L (S)	13-9-30
13	HUCK LAURA LEE & MARY L (S)	13-9-29.2
14	KELCH SCOTT EDWARD ET UX (S)	13-9-29.5
15	CHAMBERS DOROTHY - LIFE (S)	13-14-7
16	MCWHORTER LELAND & DEBORAH 2018 IRREVOCABLE TRUST (S)	13-14-10
17	BRIGGS ANDREW & MAXCINE (S)	13-14-11
18	BENSON CHAZ M (S)	13-14-28
19	D'CAGNA LINN L (S)	13-14-29.5
20	FOSTER AARON M & MARSHA ANN (S)	13-14-29.8
21	FOSTER CHARLES S ET UX (S)	13-14-38.1
22	SMITH EDWARD LEE II (S)	14-5-26
23	BLEDSE DAVID R & KIMBERLY K (S)	14-5-26.1
24	BLEDSE BILLY JAMES SR & NORA; LIFE - BLEDSE TIMOTHY & BLEDSE DAVID (S)	14-5-26.2
25	HILL KAY F ET AL (S)	14-5-28
26	GORAKSHYA-SEVA & ENV EDU TR OF AMERICA INC (S)	15-2-18.2
27	HILL KAY F ET AL (S)	14-5-30
28	GORAKSHYA-SEVA & ENV EDU TR OF AMERICA INC (S)	15-7-2
29	MILLER R CRAIG & DONITA D (S)	15-7-2.4
30	WEISNER GEORGE L ET UX - TOD (S)	15-7-1.3

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ALEXANDER LORRAINE	13-7-20
B	ALEXANDER LORRAINE	13-7-18.1
C	ALEXANDER LORRAINE	13-7-18
D	SAMPSON EDITH VIRGINIA EST	13-7-19
E	NARRISH KEVIN	13-8-30
F	SOUTH CHRISTOPHER R	13-8-31
G	KOSTELECKY JOSEPH J JR & CAROLYN - TOD	13-8-31.1
H	KOSEM DEBBIE & EARL	13-8-32
I	ARCHY RICK L ET AL	13-8-1
J	LIBERTY JOHN ET UX	13-8-10
K	BIRKETT WILLIAM N III & CHASITY A	13-8-10.2
L	LILLEY CONSTANCE E - TOD	13-8-10.1
M	LILLEY CONSTANCE E - TOD	13-8-7.7
N	KINNEER JAMIE ET UX	13-8-7.9
O	KINNEER VERNON A JR & JAMIE	13-8-6
P	CUNNINGHAM GEORGE A	13-9-3
Q	CUNNINGHAM GEORGE A	13-9-5
R	LOY CHARLES E SR - TOD	13-9-5.2
S	WILSON RONALD A ET UX	13-9-5.3
T	LOY CHARLES E SR - TOD	13-9-5.1
U	EDISON MARK C ET UX	13-9-9.1
V	LOY CHARLES E SR - TOD	13-9-4
W	EDISON MARK C ET UX	13-9-10
X	CUNNINGHAM BESSIE JANE	13-9-11
Y	SHERMAN FAMILY TRUST	13-9-26
Z	BERTRAM BRIAN B & ADDIE	13-9-29
A2	HUCK MARY L & HUCK MARIA MARIE	13-9-29.4
B2	ZUKOFF JACOB P ET UX	13-9-29.6
C2	FANKHAUSER TERRY N ET UX	13-9-29.3
D2	FANKHAUSER TERRY N ET UX	13-9-29.1
E2	GOMPERS SHANNON	13-9-28
F2	MYSLUWIEC JOHN A & MARY ANN	13-9-27
G2	MYSLUWIEC JOHN A & MARY ANN	13-9-26.2
H2	THOMPSON MICHAEL C & CRYSTAL M	13-14-13
I2	ROGERSON CHESTER ET AL - LIFE	13-14-12
J2	MOORE NANCY ROGERSON	13-14-27.3
K2	ROGERSON CHESTER ET AL - LIFE	13-14-27
L2	GRAY CAROLYN L	13-14-24
M2	GRAY CAROLYN L	13-14-24.2
N2	FOSTER CHARLES S ET UX	13-14-38.5
O2	SMITH RICHARD A	14-5-27
P2	BLEDSE DAVID R & KIMBERLY K	14-5-26.3
Q2	BLEDSE BILLY J JR & CLARA M	14-5-26.4
R2	ECO VRINDABAN INC	15-2-18
S2	HUNTT DAVID	15-2-18.1
T2	SAWYER ANGELA MARIE	15-7-2.6
U2	FRIED GABRIEL	15-7-2.3
V2	PHILLIPS MARIAN E	15-7-2.5
W2	MEBERG MARY P - TOD	15-7-2.2
X2	WIESNER GEORGE L ET UX - TOD	15-7-2.1
Y2	SOFSKY EMIL P JR ET AL	15-7-6.4
Z2	ISKCON NEW VRINDABAN INC	15-7-1.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A3	ISKCON NEW MATHURA VRINDABAN	15-7-1.2
B3	MOORE DAVID & SHIRLEY	14-5-77
C3	PETTIT DIANA LYNN	14-5-31.2
D3	HILL KAY F ET UX	14-5-32.4
E3	LILLEY ROGER W JR & TRICIA	14-5-32.6
F3	HILL HOWARD B EST	14-5-29.2
G3	HILL KAY F ET UX	14-5-29.1
H3	HILL KAY F ET UX	14-5-29
I3	LILLEY ROGER W ET UX	14-5-32.5
J3	TATICH DANIEL EDWARD TRUST	14-5-36
K3	FRANCIS LISA JANE	14-5-37
L3	KOONTZ CARL JR ET AL	14-5-24
M3	FOSTER CAITLIN E	13-14-50
N3	WILSON ROBERT J & REBECCA S	14-5-24.6
O3	FOSTER CHARLES S & BREANNA	13-14-38.2
P3	HENRY G H & JANET FAMILY TRUST	13-14-29
Q3	SNIDER LINDA ELIZABETH	13-14-29.11
R3	MASON CURTIS G ET UX	13-14-29.7
S3	ANDERSON ROBERT P & BECKI L	13-14-29.6
T3	ANDERSON ROBERT P & BECKI L	13-14-29.1
U3	MCDIFFITT CLYDE J & KAREN - TOD	13-14-9.1
V3	GODDARD RUSSELL E	13-14-9.3
W3	COULTER JAMES G & SONDRRA K	13-14-9.7
X3	ROVER PIPELINE LLC	13-14-9
Y3	ROVER PIPELINE LLC	13-14-8
Z3	BECKNER DAVID E & DEBORAH K	13-14-7.3
A4	LEWEY CHARLES L & MARGARET A	13-14-7.1
B4	DORAN BRIAN W ET UX	13-14-7.4
C4	COTTRELL COLE T	13-14-7.5
D4	GIVENS BRUCE E ET UX	13-14-7.2
E4	CHAMBERS DOROTHY	13-14-6.2
F4	MURPHY MICHAEL A & BLACK AMY S	13-14-7.6
G4	FREEMAN RAYMOND CHRISTOPHER	13-14-4
H4	SUNDERHAUS TINA M & STEPHEN G	13-14-7.7
I4	PARSONS JAY D ET UX	13-14-1
J4	LILLEY KENNETH R & CARLOTTA J	13-9-31
K4	CUNNINGHAM JOHN F	13-9-29.7
L4	PHILLIPS JANET M	13-9-32.6
M4	PHILLIPS JANET M	13-9-32.8
N4	WRIGHT DAVID JAMES	13-9-32.4
O4	CRAKE ROBERT J & SHELLEY S	13-9-32.7
P4	CRAKE ROBERT J & SHELLEY S	13-9-32.3
Q4	ZUKOFF LISA B ET AL	13-9-32.2
R4	EAGLE LTD	13-9-32.1
S4	CHAMBERS ROBIN L & DENICE E	13-9-33.2
T4	CHAMBERS ROBIN L & DENICE E	13-9-33.1
U4	MILLER KENNETH LEE - TOD	13-9-33
V4	METS PROPERTIES LLC	13-10-23
W4	METS PROPERTIES LLC	13-10-22
X4	JONES NICHOLAS & EVELINE J	13-10-21.8
Y4	JONES NICHOLAS & EVELINE J	13-10-21.7
Z4	GANTZER THOMAS P & JILL N	13-10-21.3



06/14/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	6H	
	DISTRICT:	COUNTY:	STATE:
	UNION	MARSHALL	WV
			DATE: 10-11-2023
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 3

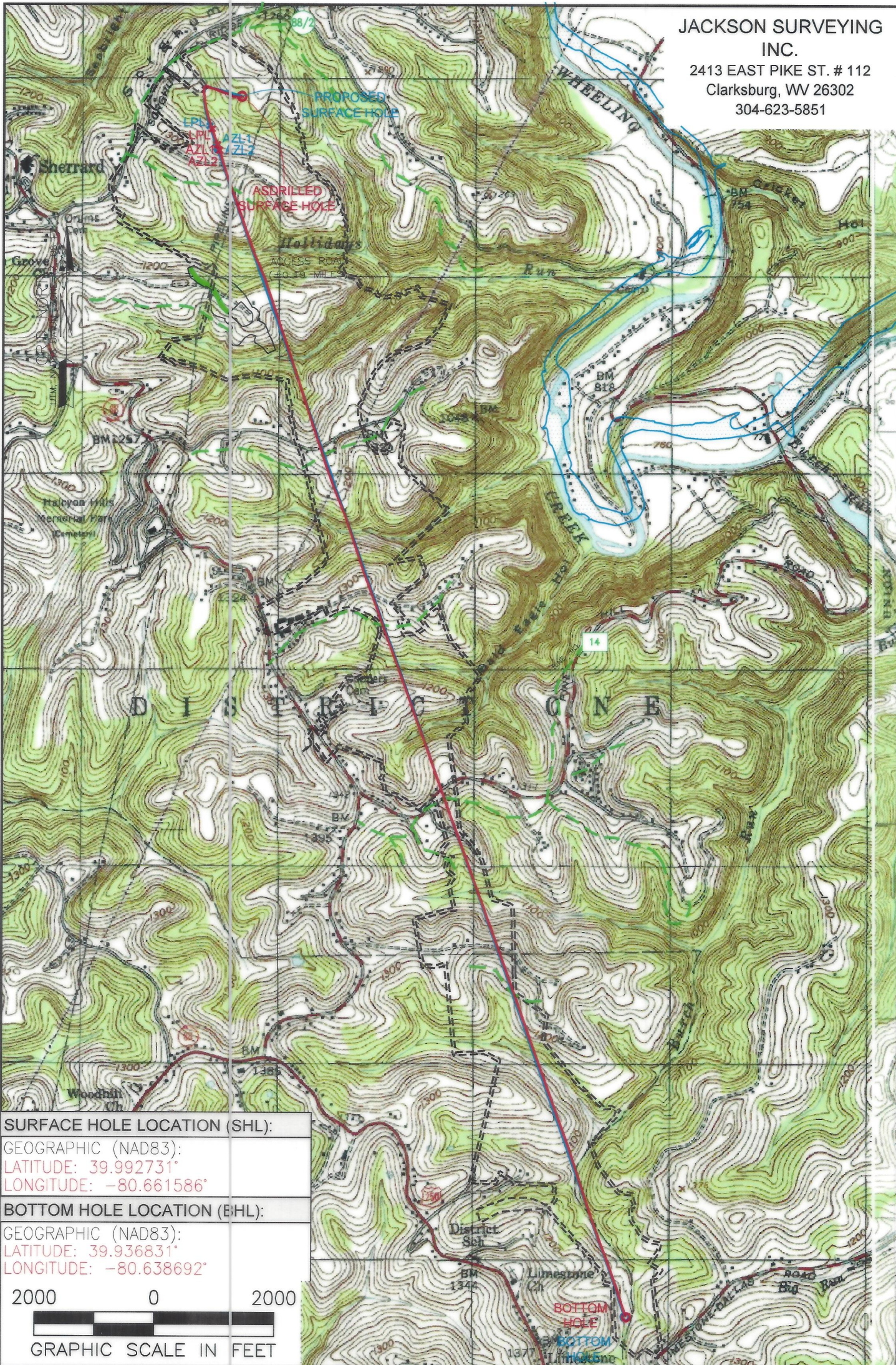
JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A5	RIGGLE STACY L	13-10-21.9
B5	MONTGOMERY TORIE	13-10-21.2
C5	MELNIK BRUCE A ET UX	13-10-21.1
D5	MELNIK BRUCE A ET UX	13-10-21
E5	CARTER KELLY J	13-10-20
F5	CARTER KELLY J	13-10-19
G5	HIERONIMUS C KEITH ET UX	13-8-15
H5	MCLAUGHLIN SHAWN & ELIZABETH	13-8-23
I5	PERRY JOSEPH P JR	13-8-24
J5	THORN JACLYN A & JASON K	13-8-25
K5	CRAWFORD GARY J	13-7E-7
L5	JOSEPH WILLIAM F & SUSAN L	13-7E-8
M5	CAIN ROGER L II	13-7E-10
N5	MCCLINTOCK JOSIE & LARRY	13-7-22.4
O5	SHEPHERD JAMES LEE II	13-7-23
P5	REINBEAU RONALD W & FRIEDA A - LIFE	13-7-22.2
Q5	REINBEAU DAVID W & SHELLY A	13-7-22.3
R5	REINBEAU DAVID W & SHELLY A	13-7-21.1
S5	BOWMAN MICHAEL ET UX	13-8-28
T5	BOWMAN MICHAEL J & CONSTANCE G	13-7-21

06/14/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	6H	
	DISTRICT:	COUNTY:	STATE:
	UNION	MARSHALL	WV
			DATE: 10-11-2023
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

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



SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.992731°	
LONGITUDE: -80.661586°	
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.936831°	
LONGITUDE: -80.638692°	
2000	0
GRAPHIC SCALE IN FEET	

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.

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

06/14/2024

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: DAVID REINBEAU MSH	WELL # 6H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; UNION	
SURFACE OWNER: SHELLY A. & DAVID W. REINBEAU	USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV		