



03/29/2019

Jackie M. Scholar
Regulatory Reporting Coordinator

March 12, 2019

CERTIFIED MAIL: 7016 0340 0000 4903 6119

WV DEP
Office of Oil and Gas
601 – 57th Street
Charleston, WV 25304

RE: Well Operator's Report of Well Work WR-35
Taylor C 9H

Dear Sir/Madam,

Enclosed here within please find one (1) Well Operator's Report of Well Work WR-35, one (1) copy of the Plat on Mylar, one (1) copy of the FracFocus report, and one (1) copy of the Directional Survey for **Taylor C 9H, (API 47-051-01826)**.

If you have any questions, please contact me at (412) 865-3422. Thank you.

Sincerely,
Chevron Appalachia, LLC

Jackie M. Scholar

Enclosures

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WR-35
Rev. 8/23/13

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

API 47-051-01826 County Marshall District Clay
Quad Glen Easton Pad Name Taylor C Field/Pool Name _____
Farm name Williams Ohio Valley Midstream LLC Well Number Taylor C 9H
Operator (as registered with the OOG) Chevron Appalachia, LLC
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 494630.48 Easting 1632373.76
Landing Point of Curve Northing 495200.32 Easting 1634191.44
Bottom Hole Northing 487978.08 Easting 163927.99

Elevation (ft) 1257' 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)
Synthetic - barite, fluid loss, emulsifiers, rheological controls

Date permit issued 3/31/15 Date drilling commenced 8/23/15 Date drilling ceased 1/9/18
Date completion activities began 9/12/18 Date completion activities ceased 3/6/19
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

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Freshwater depth(s) ft 732' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2279' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 800' Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N) Y

Reviewed

Reviewed by:
Joe Anderson
3/28/19

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WR-35
Rev. 8/23/13

API 47-051 - 01826 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 9H

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	26"	20"	75'	New	X-52 / 94		Y
Surface	17 1/2"	13 3/8"	533'	New	J-55 / 54.50		Y
Coal	12 1/4"	9 5/8"	2215'	New	J-55 / 40		Y
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	17009'	New	P-110 / 20		Y
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	Bulk Cement	Bulk Cement				Surface	8
Surface	Class A	435	15.6	1.20	522	Surface	8
Coal	Class A	826	15.6	1.19	982	Surface	8
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	Class H	Lead: 1373 Tail: 2593	Lead: 14.7 Tail: 15.2	Lead: 1.14 Tail: 1.01	Lead: 1565 Tail: 2618	Surface	8
Tubing							

Drillers TD (ft) 17029' _____ Loggers TD (ft) 17029' _____

Deepest formation penetrated Marcellus _____ Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 4980' _____

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 There is a bow spring centralizer every two joints on the water and intermediate strings. Vertical production has a bow spring centralizer every other joint over coupling. In the curve and lateral there is solid composite one per joint of casing to KOP.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS SEE ATTACHED PERFORATION AND STIMULATION REPORT

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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WR-35
Rev. 8/23/13

API 47- 051 - 01826 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 9H

PERFORATION RECORD

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

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	ATTACHED					
								RECEIVED Office of Oil and Gas
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Please insert additional pages as applicable.

WR-35
Rev. 8/23/13

API 47- 051 - 01826 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 9H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6539'	TVD	7544' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs
 OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ 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	ATTACHED			

Please insert additional pages as applicable.

Drilling Contractor SEE ATTACHED
 Address _____ City _____ State _____ Zip _____

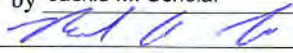
Logging Company Stratagraph NE Inc
 Address 116 Ellsworth Avenue City Marietta State OH Zip 45750

Cementing Company SEE ATTACHED
 Address _____ City _____ State _____ Zip _____

Stimulating Company Universal Pressure Pumping
 Address 18360 Technology Drive City Meadville State PA Zip 16335

Please insert additional pages as applicable.

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Completed by Jackie M. Scholar Telephone 412-865-3422
 Signature  Title Regulatory Compliance Team Lead Date 3/12/19 WV Department of Environmental Protection

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

API: 47-051-01826	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 9H
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PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	10/23/18	16879	16719	47	Marcellus
2	10/26/18	16679	16519	47	Marcellus
3	10/25/18	16479	16319	47	Marcellus
4	10/25/18	16279	16119	47	Marcellus
5	10/26/18	16079	15919	47	Marcellus
6	10/26/18	15879	15719	47	Marcellus
7	10/27/18	15679	15519	47	Marcellus
8	10/27/18	15479	15319	47	Marcellus
9	10/28/18	15279	15119	47	Marcellus
10	10/29/18	15079	14919	47	Marcellus
11	10/31/18	14879	14719	47	Marcellus
12	10/31/18	14679	14519	47	Marcellus
13	10/31/18	14479	14319	47	Marcellus
14	11/1/18	14279	14119	47	Marcellus
15	11/2/18	14079	13919	47	Marcellus
16	11/2/18	13879	13719	47	Marcellus
17	11/3/18	13679	13519	47	Marcellus
18	11/3/18	13479	13319	47	Marcellus
19	11/3/18	13279	13119	47	Marcellus
20	11/4/18	13079	12919	47	Marcellus
21	11/4/18	12879	12719	47	Marcellus
22	11/5/18	12679	12519	47	Marcellus
23	11/5/18	12479	12319	47	Marcellus
24	11/6/18	12279	12119	47	Marcellus
25	11/6/18	12079	11919	47	Marcellus
26	11/7/18	11879	11719	47	Marcellus
27	11/7/18	11679	11519	47	Marcellus
28	11/8/18	11479	11319	47	Marcellus
29	11/8/18	11279	11119	47	Marcellus
30	11/8/18	11079	10919	47	Marcellus
31	11/9/18	10879	10719	47	Marcellus
32	11/9/18	10679	10519	47	Marcellus
33	11/10/18	10479	10319	47	Marcellus
34	11/10/18	10279	10119	47	Marcellus
35	11/11/18	10079	9919	47	Marcellus
36	11/11/18	9879	9719	47	Marcellus
37	11/11/18	9679	9519	47	Marcellus
38	11/11/18	9479	9319	47	Marcellus
39	11/12/18	9279	9119	47	Marcellus
40	11/12/18	9079	8919	47	Marcellus
41	11/12/18	8879	8719	47	Marcellus
42	11/13/18	8679	8519	47	Marcellus
43	11/13/18	8479	8319	47	Marcellus
44	11/13/18	8279	8119	47	Marcellus
45	11/14/18	8079	7919	47	Marcellus

Please insert additional copies of this page if additional rows/stages are needed.

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API: 47-051-01826	Well Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 9H
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STIMULATION INFORMATION / STAGE								
Complete a separate record for each stimulation stage. (Please insert additional lines for additional stages or additional pages as applicable).								
Stg No.	Stimulation 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)
1	10/23/18	75.1	9022	n/a	4339	399715	12647	n/a
2	10/26/18	82.3	8749	5748	4906	400185	13061	n/a
3	10/25/18	89.6	9075	6219	5157	400537	12097	n/a
4	10/25/18	91.3	8835	6495	5055	400864	12171	n/a
5	10/26/18	88.6	8781	5725	5020	399943	12219	n/a
6	10/26/18	97.4	8820	6038	4953	402160	12074	n/a
7	10/27/18	96.5	8856	6316	5079	400616	12095	n/a
8	10/27/18	96.3	8829	5668	4983	401766	12078	n/a
9	10/28/18	94.5	8847	6130	4980	404125	12206	n/a
10	10/29/18	93.7	8900	6442	4751	403729	12031	n/a
11	10/31/18	95.9	9071	6112	5003	400669	12031	n/a
12	10/31/18	98.3	8981	5953	4807	400816	11979	n/a
13	10/31/18	97	8710	6562	5030	399630	11978	n/a
14	11/1/18	93.1	8625	5962	5021	377854	11797	n/a
15	11/2/18	98.3	8527	6365	4936	400543	12788	n/a
16	11/2/18	96.2	8939	6017	4784	400383	11779	n/a
17	11/3/18	99.7	8578	5653	5078	400441	11947	n/a
18	11/3/18	99.2	8847	6055	4815	400475	11906	n/a
19	11/3/18	100.6	8792	6596	5029	399058	11994	n/a
20	11/4/18	99.4	8594	5979	4617	399594	11933	n/a
21	11/4/18	99.9	8690	5939	5064	399771	11907	n/a
22	11/5/18	100.6	8749	6576	4932	400942	11805	n/a
23	11/5/18	100.6	8558	6083	4966	399197	11759	n/a
24	11/6/18	100.9	8613	5901	5012	400839	11898	n/a
25	11/6/18	98.5	8469	6223	4696	400803	11817	n/a
26	11/7/18	99.5	8251	6369	4921	399399	11797	n/a
27	11/7/18	100.1	8299	6167	4854	401170	11974	n/a
28	11/8/18	100.2	8372	6587	4603	399110	11839	n/a
29	11/8/18	99.7	8327	6196	4830	400622	11760	n/a
30	11/8/18	100.1	8214	5972	4925	398657	11681	n/a
31	11/9/18	99.7	7917	6581	4948	401215	11753	n/a
32	11/9/18	99.8	8044	6246	4888	399484	11786	n/a
33	11/10/18	99.7	7523	6222	4660	398935	11675	n/a
34	11/10/18	99.8	7985	6857	4777	400129	11696	n/a
35	11/11/18	99.2	8096	6497	4859	400725	11747	n/a
36	11/11/18	100.5	7795	6670	4690	400889	11674	n/a
37	11/11/18	100	7718	6601	4668	401196	11749	n/a
38	11/11/18	100.5	7832	6029	4743	400852	11672	n/a
39	11/12/18	99.5	7841	5811	4843	399578	11619	n/a
40	11/12/18	100.6	8036	6689	4940	401692	11675	n/a
41	11/12/18	99.5	8124	5851	4688	400618	11765	n/a
42	11/13/18	98.6	8004	5655	4769	400979	11628	n/a
43	11/13/18	100.3	7914	6150	4589	400666	11588	n/a
44	11/13/18	100.4	8026	6186	4763	400647	11541	n/a
45	11/14/18	100.1	7888	5924	4852	399615	11689	n/a

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WR-35

Page 7 of 9

API: 47-051-01826	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 9H
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Taylor 9H				
Formation	TVD	Base	MD	MD Base
Dunkard	0	475	0	475
Waynesburg/Monongahela	475	806	475	806
Pittsburgh Coal	800	806	800	806
Conemaugh	806	1289	806	1289
Salt Sands	1499	1739	1499	1739
Mauch Chunk	1739	1846	1739	1846
Big Lime	1846	1934	1846	1934
Burgoon	1934	2154	1934	2154
Squaw	2154	2279	2154	2279
Weir	2279	2479	2279	2479
Berea	2483	2499	2493	2509
Gordon	2729	2809	2739	2819
Upper Bayard	3082	3114	3092	3124
Rhinestreet	5889	6186	5899	6196
Sycamore	6186	6321	6196	6,988
MDLX	6321	6346	6,988	7,036
PYAN	6346	6376	7,036	7,098
BRKT	6376	6404	7,098	7,156
BRKT A	6404	6418	7,156	7,187
TLLY	6418	6451	7,187	7,264
S5	6451	6539	7,264	7,544
S3	6539	6559	7,544	7,651
STFD*	6559	6560	7,651	7,664
S2.B	6560	6571	7,664	7,794
S2.A	6571		7,794	

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WR-35

Page 8 of 9

API: 47-051-01826	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 9H
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DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Precision Drilling Holdings Company
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Avenue East	Address 10350 Richmond Avenue, Suite 700
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25301	City - State - Zip Houston, TX 77042

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WR-35

Page 9 of 9

API: 47-051-01826	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 9H
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CEMENTING CONTRACTORS		
Name Baker Hughes	Name BJ Services	Name
Address 5373 West Alabama, Suite 300	Address 3415 Millennium Boulevard SE	Address
City - State - Zip Houston, TX 77056	City - State - Zip Massillon, OH 44646	City - State - Zip

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/23/2018
Job End Date:	11/14/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01826-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Taylor C 9H
Latitude:	39.85186000
Longitude:	-80.69726600
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,653
Total Base Water Volume (gal):	22,524,558
Total Base Non Water Volume:	0



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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
Water	Chevron	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	90.34924	None
Sand	Upp	Proppant					
			Crystalline Silica in the form of Quartz	14808-60-7	99.90000	8.64371	None
HCL Acid (7.5%)	Upp	Acidizing					
			Hydrochloric Acid	7647-01-0	7.50000	0.06538	None
Unislick ST50	Upp	Friction reducer					
			Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.02464	None
			Ammonium acetate	631-61-8	13.00000	0.01068	None
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00411	None
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00411	None
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00411	None
K-BAC 1020	Upp	Biocide					
			Polyethylene glycol	25322-68-3	50.00000	0.00568	None
			Water	7732-18-5	30.00000	0.00341	None
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	21.00000	0.00238	None

Submitted 12/11/18

Iron Control A	UPP	Iron Control Agent					
			Ethylene Glycol	107-21-1	30.00000	0.00552	None
Scale Inhibitor E	UPP	Scale Inhibitor					
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00282	None
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00070	None
			DETA phosphonate	15827-60-8	5.00000	0.00070	None
Unihib G	UPP	Acid inhibitor					
			Butyl diglycol	112-34-5	75.00000	0.00051	None
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00034	None
			Methanol	67-56-1	5.00000	0.00003	None
			Thiourea	62-56-6	1.00000	0.00001	None
			Formaldehyde	50-00-0	1.00000	0.00001	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Ammonium acetate	631-61-8	13.00000	0.01068	
			Polyethylene glycol	25322-68-3	50.00000	0.00568	
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00411	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00411	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00411	
			Water	7732-18-5	30.00000	0.00341	
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00070	
			DETA phosphonate	15827-60-8	5.00000	0.00070	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00034	
			Methanol	67-56-1	5.00000	0.00003	
			Formaldehyde	50-00-0	1.00000	0.00001	
			Thiourea	62-56-6	1.00000	0.00001	

* Total Water Volume sources may include fresh water, produced water, and/or 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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MAR 18 2019

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BHL is located on topo map 14,979 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 8,429 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 948 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 8591 feet west of Longitude: 80° 40' 00"

NOTES:

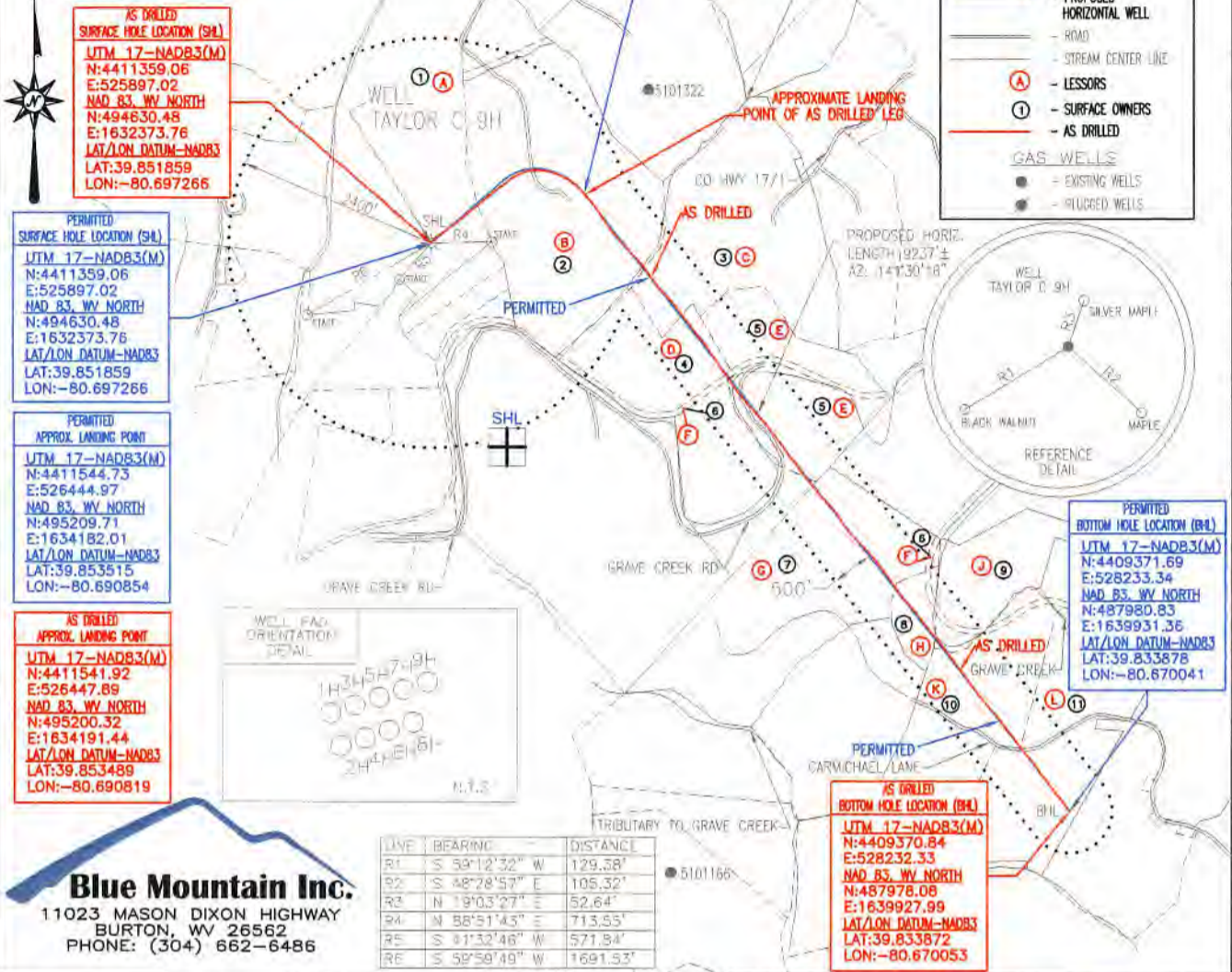
- There are no water wells or developed springs within 250' of proposed well.
- There are no existing buildings within 625' of proposed well.
- Proposed well pad is within 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

AS DRILLED PLAT

LEGEND

- TOPO MAP POINT
 - WELL
 - ALL ARC POINTS UNLESS OTHERWISE NOTED
 - MINERAL TRACT BOUNDARY
 - PARCELL LINE
 - WELL REFERENCE
 - PROPOSED HORIZONTAL WELL
 - ROAD
 - STREAM CENTER LINE
 - LESSORS
 - SURFACE OWNERS
 - AS DRILLED
- GAS WELLS
- EXISTING WELLS
 - PLUGGED WELLS



AS DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4411359.06
 E:525897.02
 NAD 83, WV NORTH
 N:494630.48
 E:1632373.76
 LAT/LON DATUM-NAD83
 LAT:39.851859
 LON:-80.697266

PERMITTED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4411359.06
 E:525897.02
 NAD 83, WV NORTH
 N:494630.48
 E:1632373.76
 LAT/LON DATUM-NAD83
 LAT:39.851859
 LON:-80.697266

PERMITTED APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4411544.73
 E:526444.97
 NAD 83, WV NORTH
 N:495209.71
 E:1634182.01
 LAT/LON DATUM-NAD83
 LAT:39.853515
 LON:-80.690854

AS DRILLED APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4411541.92
 E:526447.89
 NAD 83, WV NORTH
 N:495200.32
 E:1634191.44
 LAT/LON DATUM-NAD83
 LAT:39.853489
 LON:-80.690819

AS DRILLED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4409370.84
 E:528232.33
 NAD 83, WV NORTH
 N:487978.08
 E:1639927.99
 LAT/LON DATUM-NAD83
 LAT:39.833872
 LON:-80.670053

LINE	BEARING	DISTANCE
R1	S 59°12'32" W	129.58'
R2	S 48°28'57" E	105.32'
R3	N 19°03'27" E	52.64'
R4	N 88°51'43" E	713.55'
R5	S 81°32'46" W	571.84'
R6	S 59°50'49" W	1691.53'

Blue Mountain Inc.
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

FILE #: TAYLOR C 9H-AS DRILLED
 DRAWING #: TAYLOR C 9H-AS DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: MARCH 13, 2018
 OPERATOR'S WELL #: TAYLOR C 9H-AS DRILLED
 API WELL #: 47 51 01826

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

RECEIVED
 Office of Oil and Gas
 MAR 18 2019

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1257.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'
 SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC ACREAGE: 265.439±
 OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR ACREAGE: 915.930±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): AS DRILLED
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,555± TMD: 17,141.2±
 WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

TAYLOR C 9H PAGE 2 OF 2 AS DRILLED

03/29/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
2	BRENDAN J. MCCARTHY & JOSEPH E. BOJALAD, III	4-10/19
3	PHILIP L. KUHN EST - LIFE	3-12/2
4	PHILIP L. KUHN EST - LIFE	3-12/1
5	LAWRENCE & SHIRLEY CONKLE ESTS	9-2/4
6	MURRAY ENERGY	3-12/28
7	GEORGE B. & MARY L. CROW	9-2/6
8	WILLIAM VAUGHN ET AL	9-2/7
9	CHARLES A. RILEY ET UX	3-12/6
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	LESSOR
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PERMITTED SURFACE HOLE LOCATION (SHL)
<u>UTM 17-NAD83(M)</u> N:4411359.06 E:525897.02 <u>NAD 83, WV NORTH</u> N:494630.48 E:1632373.76 <u>LAT/LON DATUM-NAD83</u> LAT:39.851859 LON:-80.697266

PERMITTED APPROX. LANDING POINT
<u>UTM 17-NAD83(M)</u> N:4411544.73 E:526444.97 <u>NAD 83, WV NORTH</u> N:495209.71 E:1634182.01 <u>LAT/LON DATUM-NAD83</u> LAT:39.853515 LON:-80.690854

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RECEIVED
Office of Oil and Gas

MAR 18 2019

WV Department of
Environmental Protection

MARCH 13, 2018

BHL is located on topo map 14,979 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 8,429 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 948 feet west of Longitude: 80° 40' 00"
 SHL is located on topo map 8,591 feet west of Longitude: 80° 40' 00"

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well pad is within 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- AS DRILLED
- GAS WELLS
 - EXISTING WELLS
 - PLUGGED WELLS

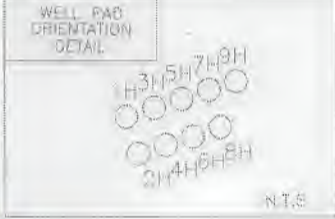
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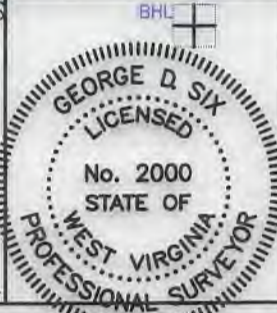


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