



03/29/2019

Jackie M. Scholar
Regulatory Reporting Coordinator

January 24, 2019

CERTIFIED MAIL: 7016 0340 0000 4903 5969

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

RE: Well Operator's Report of Well Work WR-35
Taylor B 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 B 9H, (API 47-051-01799)**.

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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Office of Oil and Gas
JAN 30 2019
WV Department of
Environmental Protection

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

API 47-051-01799 County Marshall District Clay
Quad Glen Easton Pad Name Taylor B Field/Pool Name _____
Farm name Williams Ohio Valley Midstream LLC Well Number Taylor B 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 496401.51 Easting 1635078.23
Landing Point of Curve Northing 496275.21 Easting 1635979.85
Bottom Hole Northing 489948.18 Easting 1641043.59

Elevation (ft) 1222' 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 control

Date permit issued 4/7/2017 Date drilling commenced 11/14/2017 Date drilling ceased 11/27/2017
Date completion activities began 6/5/18 Date completion activities ceased 1/8/19
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 797' Open mine(s) (Y/N) depths N
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths N
Coal depth(s) ft 765' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed by: [Signature]
3/28/19

WR-35
Rev. 8/23/13

API 47-051 - 01799 Farm name Williams Ohio Valley Midstream LLC Well number Taylor B 9H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/fl	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	26"	20"	130'	New			Y
Surface	17 1/2"	13 3/8"	543'	New	J-55 / 54.50#		Y
Coal	12 1/4"	9 5/8"	2196'	New	J-55 / 40#		Y
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	15212'	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	452	15.6	1.2	542	Surface	8
Coal	Class A	817	15.6	1.19	972	Surface	8
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	Class G/H	L - 1373 / T- 1870	L - 14.7 / T - 15.2	L - 1.13 / T - 1.15	L - 1561 / T - 2154	Surface	8
Tubing							

Drillers TD (ft) 15212' Loggers TD (ft) 15212'

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 5440'

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

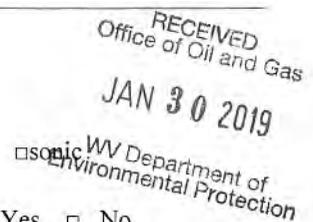
Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING A bow string centralizer every two joints on the water string and intermediate. The production string has two centralizers every joint in the lateral and curve, then one every joint from KOP to surface.

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

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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



API: 47-051-01799	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 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	8/23/18	15037	14877	47	Marcellus
2	8/24/18	14837	14677	47	Marcellus
3	9/5/18	14637	14477	47	Marcellus
4	9/5/18	14437	14277	47	Marcellus
5	9/6/18	14237	14077	47	Marcellus
6	9/6/18	14037	13877	47	Marcellus
7	9/6/18	13857	13677	47	Marcellus
8	10/7/18	13637	13477	47	Marcellus
9	10/7/18	13437	13277	47	Marcellus
10	10/8/18	13237	13077	47	Marcellus
11	10/8/18	13037	12877	47	Marcellus
12	10/8/18	12837	12677	47	Marcellus
13	10/9/18	12637	12477	47	Marcellus
14	10/9/18	12437	12277	47	Marcellus
15	10/9/18	12237	12077	47	Marcellus
16	10/9/18	12037	11877	47	Marcellus
17	10/10/18	11837	11677	47	Marcellus
18	10/18/18	11637	11477	47	Marcellus
19	10/10/18	11437	11277	47	Marcellus
20	10/11/18	11237	11077	47	Marcellus
21	10/11/18	11037	10877	47	Marcellus
22	10/11/18	10837	10677	47	Marcellus
23	10/11/18	10637	10477	47	Marcellus
24	10/12/18	10437	10277	47	Marcellus
25	10/12/18	10237	10077	47	Marcellus
26	10/12/18	10037	9877	47	Marcellus
27	10/13/18	9837	9677	47	Marcellus
28	10/13/18	9637	9477	47	Marcellus
29	10/13/18	9437	9277	47	Marcellus
30	10/14/18	9237	9077	47	Marcellus
31	10/14/18	9037	8877	47	Marcellus
32	10/14/18	8837	8677	47	Marcellus
33	10/14/18	8637	8477	47	Marcellus
34	10/15/18	8437	8277	47	Marcellus
35	10/15/18	8237	8077	47	Marcellus
36	10/15/18	8037	7877	47	Marcellus
37	10/16/18	7837	7677	47	Marcellus
38	10/16/18	7637	7477	47	Marcellus
39	10/16/18	7437	7277	47	Marcellus
40	10/17/18	7237	7077	47	Marcellus
41	10/17/18	7037	6877	47	Marcellus

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

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API: 47-051-01799	Well Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 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	8/23/18	80	8759	n/a	3902	400769	9454	n/a
2	8/24/18	89.3	8442	6125	4759	399688	10477	n/a
3	9/5/18	90.5	8983	6388	4783	400457	10106	n/a
4	9/5/18	91.5	8596	6327	4786	399593	9734	n/a
5	9/6/18	95	8652	6013	5031	400021	9733	n/a
6	9/6/18	94.8	8972	6526	5100	400494	9564	n/a
7	9/6/18	94.8	8427	5326	4831	399873	4231	n/a
8	10/7/18	99.4	8233	5383	4839	400022	10434	n/a
9	10/7/18	100.7	8582	6605	4801	401402	9581	n/a
10	10/8/18	100.3	8663	6349	4878	406000	9558	n/a
11	10/8/18	99.4	8633	6401	4938	402207	9598	n/a
12	10/8/18	98.8	8594	6652	5016	400779	9543	n/a
13	10/9/18	99.4	8450	6186	4860	400119	9459	n/a
14	10/9/18	99.7	8170	6135	4920	401013	9590	n/a
15	10/9/18	98.1	8024	7021	5017	400719	9634	n/a
16	10/9/18	98.5	8652	6006	4871	401979	9606	n/a
17	10/10/18	100	8265	6477	4896	399317	9456	n/a
18	10/18/18	97.7	8546	6632	4913	400033	9342	n/a
19	10/10/18	100.5	8629	6199	4886	399105	9537	n/a
20	10/11/18	100.9	8352	5865	4848	399415	9610	n/a
21	10/11/18	99.5	7902	6470	4782	399553	9525	n/a
22	10/11/18	99.1	7677	6002	4756	401948	9212	n/a
23	10/11/18	99.9	7894	6147	4905	399737	9328	n/a
24	10/12/18	100.4	7654	6953	4772	399866	9311	n/a
25	10/12/18	100.2	7700	6072	4696	399886	9297	n/a
26	10/12/18	100	7826	5974	4815	398628	9295	n/a
27	10/13/18	100.6	7916	6019	4756	401619	9341	n/a
28	10/13/18	100.2	7698	6192	4861	401135	9234	n/a
29	10/13/18	100	7714	6129	5010	399603	9250	n/a
30	10/14/18	100.4	7776	5986	4818	399756	9236	n/a
31	10/14/18	99.7	7315	5811	4765	401335	9244	n/a
32	10/14/18	99.9	7183	5587	4865	401603	9243	n/a
33	10/14/18	100.3	7754	6038	4874	399286	9464	n/a
34	10/15/18	100.3	7682	6171	4848	401890	9231	n/a
35	10/15/18	100.4	7469	5186	4739	402457	9173	n/a
36	10/15/18	100.3	8004	6698	4998	399922	9228	n/a
37	10/16/18	100.1	8062	5462	4848	400411	9196	n/a
38	10/16/18	99.3	7305	6225	4972	400594	9731	n/a
39	10/16/18	100.7	7291	6634	4996	400131	9159	n/a
40	10/17/18	100.3	7171	6158	5040	401261	9152	n/a
41	10/17/18	100.4	6945	6267	4844	400938	9121	n/a

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API: 47-051-01799		Farm Name: Williams Ohio Valley Midstream LLC			Well Number: Taylor B 9H	
Top	Top MD	Base MD	TVD	TVD		
Dunkard	0	472	0	472		
Waynesburg/Monongahela	472	771	472	771		
Pittsburgh Coal	765	771	765	771		
Conemaugh	771	1109	771	1109		
Salt Sands	1489	1729	1488	1728		
Mauch Chunk	1729	1836	1728	1835		
Big Lime	1836	1924	1835	1923		
Burgoon	1924	2144	1923	2143		
Squaw	2144	2269	2143	2268		
Weir	2269	2469	2268	2468		
Berea	2483	2499	2482	2498		
Gordon	2729	2809	2728	2808		
Upper Bayard	3082	3114	3081	3113		
Rhinestreet	5889	6186	5885	6164		
Sycamore	6186	6281	6164	6248		
Middlesex	6281	6593.49	6324	6407		
BRKT	6593.49	6621.04	6407	6423		
TLLY	6621.04	6681.15	6423	6457		
S5	6681.15	6882.12	6457	6541		
S3	6882.12	6968.38	6541	6561		
Stafford	6968.38	6980.47	6561	6563		
S2.B	6980.47	7130.34	6563	6577		
S2.A	7130.34	15237	6577			

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API: 47-051-01799	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 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 Street East	Address 10350 Richmond Avenue, Suite 700
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25031	City - State - Zip Houston, TX 77042

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API: 47-051-01799	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 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 Missillon, OH 44646	City - State - Zip

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/23/2018
Job End Date:	10/17/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01799-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Taylor B 9H
Latitude:	39.85681900
Longitude:	-80.68771800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,624
Total Base Water Volume (gal):	16,095,156
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
Water	Chevron	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.05477	None
Sand	UPP	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	10.75699	None
HCL Acid (7.5%)	UPP	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.08021	None
Unislick ST50	UPP	Friction reducer	Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.01899	None
			Ammonium acetate	631-61-8	13.00000	0.00823	None
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00317	None
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00317	None
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00317	None
EC6116A		Biocide	Polyethylene glycol	7732-18-5	60.00000	0.00373	None
			2,2-Dibromo-3-nitripropionamide	10222-01-2	30.00000	0.00187	None
			Dibromoacetoneitrile	3252-43-5	5.00000	0.00031	None

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 Division of Environmental Protection

Submitted 11/1/18

Iron Control A	UPP	Iron Control Agent					
			Ethylene Glycol	107-21-1	30.00000	0.00551	None
K-BAC 1020	UPP	Biocide					
			Polyethylene glycol	25322-68-3	50.00000	0.00224	None
			Water	7732-18-5	30.00000	0.00135	None
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	21.00000	0.00094	None
Scale Inhibitor E	UPP	Scale Inhibitor					
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00280	None
			DETA phosphonate	15827-60-8	5.00000	0.00070	None
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00070	None
Unihib G	UPP	Acid inhibitor					
			Butyl diglycol	112-34-5	75.00000	0.00063	None
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00042	None
			Methanol	67-56-1	5.00000	0.00004	None
			Thiourea	62-56-6	1.00000	0.00001	None
			Formaldehyde	50-00-0	1.00000	0.00001	None
K-BAC 1005	UPP	Biocide					
			Polyethylene glycol	25322-68-3	50.00000	0.00035	None
			Water	7732-18-5	44.30000	0.00031	None
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	5.80000	0.00004	None
Unigel 5F	UPP	Viscosifier					
			Guar Gum	9000-30-0	100.00000	0.00013	None
AP Breaker	UPP	Gel Breaker					
			Ammonium Persulfate	7727-54-0	100.00000	0.00000	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	0.00823	
			Polyethylene glycol	7732-18-5	60.00000	0.00373	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00317	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00317	
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00317	
			Polyethylene glycol	25322-68-3	50.00000	0.00224	
			Water	7732-18-5	30.00000	0.00135	
			DETA phosphonate	15827-60-8	5.00000	0.00070	
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00070	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00042	
			Polyethylene glycol	25322-68-3	50.00000	0.00035	
			Dibromoacetoneitrile	3252-43-5	5.00000	0.00031	
			Water	7732-18-5	44.30000	0.00031	
			Methanol	67-56-1	5.00000	0.00004	
			Formaldehyde	50-00-0	1.00000	0.00001	

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		Thiourea	62-56-6	1.00000	0.00001	
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* 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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AS DRILLED PLAT

BHL is located on topo map 13,012 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 6,622 feet south of Latitude: 39° 52' 30"

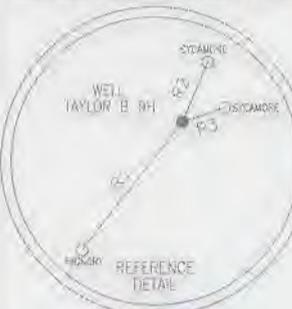
BHL is located on topo map 11,579 feet west of Longitude: 80° 37' 30"
 SHL is located on topo map 5,910' feet west of Longitude: 80° 40' 00"



LEGEND

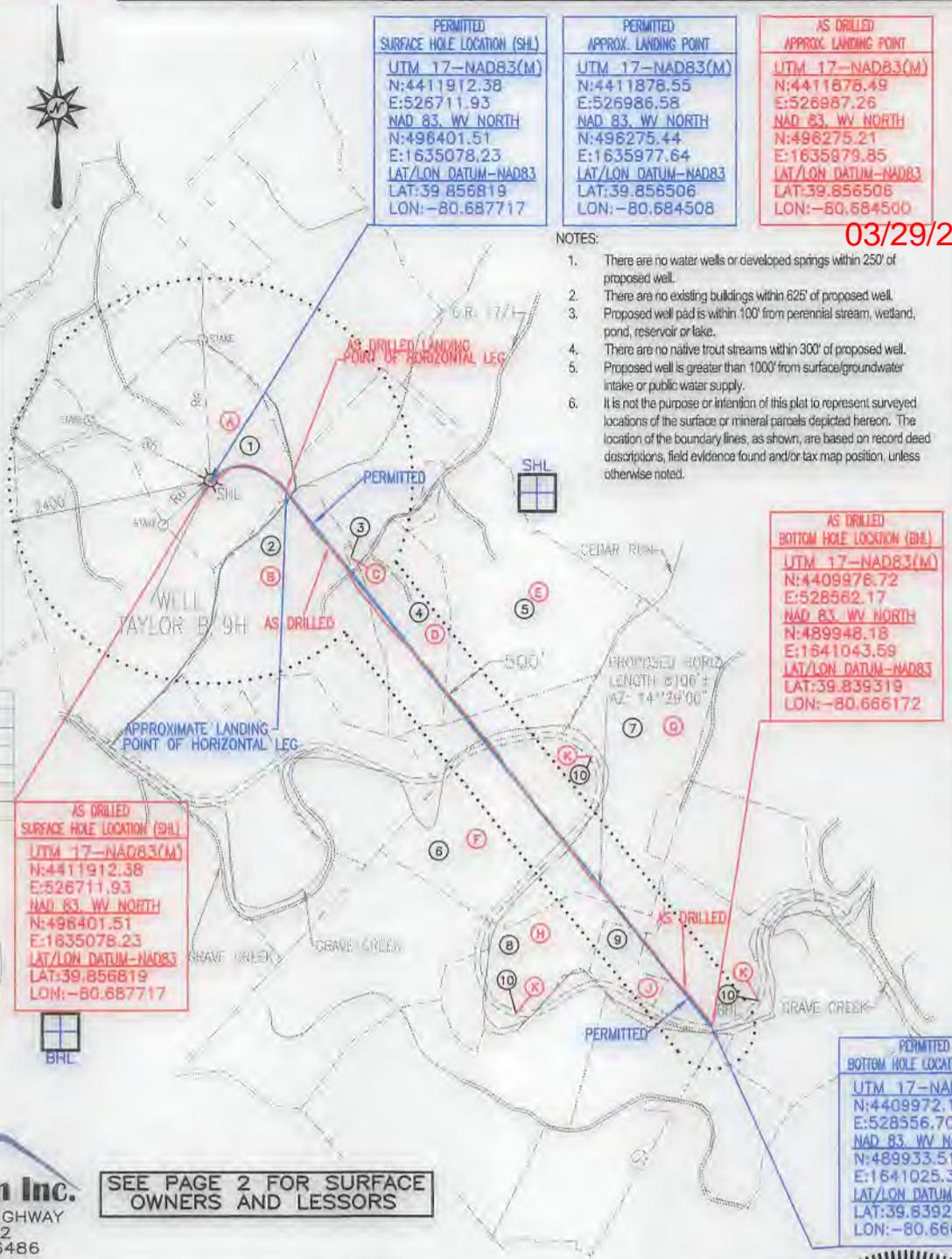
- TOPG MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- AS DRILLED
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- GAS WELLS
- EXISTING WELLS
- PLUGGED WELLS

LINE	BEARING	DISTANCE
R1	E 37°54'57" W	283.42'
R2	N 33°09'12" E	411.82'
R3	N 72°18'14" E	76.84'
R4	N 53°14'09" W	1670.20'
R5	N 63°36'13" W	1610.39'
R6	S 47°16'48" W	771.86'



Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS



- 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.

03/29/2019

FILE #: TAYLOR B 9H-AS DRILLED
 DRAWING #: TAYLOR B 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: JANUARY 08, 2018
 OPERATOR'S WELL #: TAYLOR B 9H-AS DRILLED
 API WELL #: 47 51 01799
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1222.00'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC ACREAGE: 91.93±

OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR ACREAGE: 639.106±

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: 6,533'± TMD: 15,222.1'±

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 B
9H
PAGE 2 OF 2
AS DRILLED PLAT

03/29/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/20
2	PHILIP L. KUHN EST. - LIFE	3-12/2
3	*HUBERT & ANDREA KUHN	3-12/2.1
4	MARY T. HARDMAN	3-12/3.2
5	JOHN A. BUNGARD	3-12/4
6	TRACIE L. WEST, ET AL	9-2/5
7	ROBERT W. ZIRKLE, ET AL	3-12/5
8	CHARLES A. RILEY, ET UX	3-12/6
9	WAYNE E. PYLES	3-12/7
10	CONSOLIDATION COAL COMPANY	3-12/28

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	HOWARD LEE KUHN, ET AL
C	*HUBERT & ANDREA KUHN
D	MARY T. HARDMAN
E	JOHN A. BUNGARD
F	TRACIE J. WEST
G	ROBERT W. & SABRINA ZIRKLE
H	CHARLES A. RILEY, ET UX
J	WAYNE E. PYLES
K	CNX GAS COMPANY, LLC

PERMITTED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4411912.38 E:526711.93 NAD 83, WV NORTH N:496401.51 E:1635078.23 LAT/LON DATUM-NAD83 LAT:39.856819 LON:-80.687717

PERMITTED APPROX. LANDING POINT
UTM 17-NAD83(M) N:4411878.55 E:526986.58 NAD 83, WV NORTH N:496275.44 E:1635977.64 LAT/LON DATUM-NAD83 LAT:39.856506 LON:-80.684508

PERMITTED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4409972.16 E:528556.70 NAD 83, WV NORTH N:489933.51 E:1641025.38 LAT/LON DATUM-NAD83 LAT:39.839278 LON:-80.666236

AS DRILLED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4411912.38 E:526711.93 NAD 83, WV NORTH N:496401.51 E:1635078.23 LAT/LON DATUM-NAD83 LAT:39.856819 LON:-80.687717

AS DRILLED APPROX. LANDING POINT
UTM 17-NAD83(M) N:4411878.49 E:526987.26 NAD 83, WV NORTH N:496275.21 E:1635979.85 LAT/LON DATUM-NAD83 LAT:39.856506 LON:-80.684500

AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4409976.72 E:528562.17 NAD 83, WV NORTH N:489948.18 E:1641043.59 LAT/LON DATUM-NAD83 LAT:39.839319 LON:-80.666172

JANUARY 08, 2018

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE