



04/05/2019

Jackie M. Scholar
Regulatory Reporting Coordinator

February 19, 2019

CERTIFIED MAIL: 7016 0340 0000 4903 6089

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 3H

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 3H, (API 47-051-01794)**.

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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Appalachian/Mountain Business Unit
Chevron North America Exploration & Production Company (a division of Chevron U.S.A. Inc.)
700 Cherrington Parkway, Coraopolis, PA 15108
Tel 412-865-3422
jscholar@chevron.com

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

API 47-051-01794 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 3H
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 496422.94 Easting 1634990.82
Landing Point of Curve Northing 497378.82 Easting 1634882.76
Bottom Hole Northing 504236.95 Easting 1629326.52

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 4/7/2015 Date drilling commenced 11/3/2015 Date drilling ceased 10/9/2017
Date completion activities began 6/4/18 Date completion activities ceased 2/13/19
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

Reviewed by:
Justin [Signature]
3/28/19

WR-35
Rev. 8/23/13

API 47-051 - 01794 Farm name Williams Ohio Valley Midstream, LLC Well number Taylor B 3H

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"	130'	New			Y
Surface	17 1/2"	13 3/8"	539'	New	J-55 / 54.5#		Y
Coal	12 1/4"	9 5/8"	2201'	New	J-55 / 40#		Y
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	15828'	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	1.20	542.4	Surface	8
Coal	Class A	817	15.6	1.19	972.23	Surface	8
Intermediate 1							
Intermediate 2							
Intermediate 3	Lead & Tail - G/H	Lead: 1373 / Tail: 2004	Lead: 14.7 / Tail: 15.2	Lead - 1.14 / Tail - 1.15	Lead - 1565.22 / Tail - 2304.6	Surface	8
Production							
Tubing							

Drillers TD (ft) 15848' Loggers TD (ft) 15848'
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 5442'

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 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 AND STIMULATION REPORTS

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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API: 47-051-01794	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 3H
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PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	9/20/18	15650	15490	47	Marcellus
2	9/20/18	15450	15290	47	Marcellus
3	9/20/18	15250	15090	47	Marcellus
4	9/21/18	15050	14890	47	Marcellus
5	9/21/18	14850	14690	47	Marcellus
6	9/21/18	14650	14490	47	Marcellus
7	9/21/18	14450	14290	47	Marcellus
8	9/24/18	15250	14090	47	Marcellus
9	9/24/18	14050	13890	47	Marcellus
10	9/25/18	13850	13690	47	Marcellus
11	9/25/18	13650	13490	47	Marcellus
12	9/25/18	13450	13290	47	Marcellus
13	9/26/18	13250	13090	47	Marcellus
14	9/26/18	13050	12890	47	Marcellus
15	9/26/18	12850	12690	47	Marcellus
16	9/26/18	12650	12490	47	Marcellus
17	9/27/18	12450	12290	47	Marcellus
18	9/27/18	12250	12090	47	Marcellus
19	9/27/18	12050	11890	47	Marcellus
20	9/27/18	11850	11690	47	Marcellus
21	9/28/18	11650	11490	47	Marcellus
22	9/28/18	11450	11290	47	Marcellus
23	9/28/18	11250	11090	47	Marcellus
24	9/29/18	11050	10890	47	Marcellus
25	9/29/18	10850	10690	47	Marcellus
26	9/29/18	10650	10490	47	Marcellus
27	9/30/18	10450	10290	47	Marcellus
28	9/30/18	10250	10090	47	Marcellus
29	9/30/18	10050	9890	47	Marcellus
30	9/30/18	9850	9690	47	Marcellus
31	10/1/18	9650	9490	47	Marcellus
32	10/1/18	9450	9290	47	Marcellus
33	10/1/18	9250	9090	47	Marcellus
34	10/2/18	9050	8890	47	Marcellus
35	10/2/18	8850	8690	47	Marcellus
36	10/2/18	8650	8490	47	Marcellus
37	10/3/18	8450	8290	47	Marcellus
38	10/3/18	8250	8090	47	Marcellus
39	10/3/18	8050	7890	47	Marcellus
40	10/3/18	7850	7690	47	Marcellus
41	10/3/18	7650	7490	47	Marcellus
42	10/3/18	7450	7290	47	Marcellus
43	10/4/18	7250	7090	47	Marcellus
44	10/4/18	7050	6890	47	Marcellus
Please insert additional copies of this page if additional rows/stages are needed.					

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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	9/20/18	94.4	8940	5686	4657	402313	10045	n/a
2	9/20/18	96.4	8982	5530	5058	399625	9732	n/a
3	9/20/18	99.7	8714	5073	4882	400028	10260	n/a
4	9/21/18	100.4	8567	n/a	4950	401121	9795	n/a
5	9/21/18	99.7	8603	5484	4971	400164	9654	n/a
6	9/21/18	99.9	8813	5710	5195	398010	9573	n/a
7	9/21/18	99.7	8309	5484	5062	400191	9704	n/a
8	9/24/18	92.5	9218	5948	4992	398064	9509	n/a
9	9/24/18	93.2	8453	5618	4775	400944	9687	n/a
10	9/25/18	98.9	8548	5678	4856	399013	9703	n/a
11	9/25/18	100	8332	5389	4913	400570	9511	n/a
12	9/25/18	99	8286	5031	4959	400720	9588	n/a
13	9/26/18	99.3	8248	5349	4848	400392	9436	n/a
14	9/26/18	99.6	8794	5657	4926	400619	9372	n/a
15	9/26/18	100	8614	5778	4735	399547	9642	n/a
16	9/26/18	97.3	8459	5631	4639	400716	9595	n/a
17	9/27/18	99.4	8551	5520	5081	402851	9527	n/a
18	9/27/18	100	8257	5993	4941	400641	9535	n/a
19	9/27/18	99.7	8276	6234	4893	401613	9477	n/a
20	9/27/18	100.3	8258	6120	4808	401451	9417	n/a
21	9/28/18	100.3	8334	5765	4970	400550	9436	n/a
22	9/28/18	100.3	8665	5934	5003	399911	9441	n/a
23	9/28/18	97.3	8511	5959	4855	400200	9508	n/a
24	9/29/18	100.3	8591	6096	4835	398900	9607	n/a
25	9/29/18	99.4	8606	6018	4718	400737	9485	n/a
26	9/29/18	99.8	8327	6087	4759	400654	9376	n/a
27	9/30/18	99.9	8272	6366	4971	400524	9501	n/a
28	9/30/18	100	7836	6775	5151	400436	9379	n/a
29	9/30/18	100.5	7866	5931	5020	399653	9322	n/a
30	9/30/18	99.7	7678	6422	5053	399997	9223	n/a
31	10/1/18	99.9	8042	7149	4977	399682	9298	n/a
32	10/1/18	99.8	7864	6503	4995	399438	9186	n/a
33	10/1/18	100.4	8141	5980	4954	400099	9474	n/a
34	10/2/18	99.7	7719	7010	4779	400293	9442	n/a
35	10/2/18	99.9	8278	6047	5023	401504	9403	n/a
36	10/2/18	99.8	7593	6506	5016	400588	9248	n/a
37	10/3/18	99.7	7893	6518	5055	401426	9188	n/a
38	10/3/18	99	8131	6557	4817	400646	9367	n/a
39	10/3/18	95.6	8343	6505	4729	401258	9255	n/a
40	10/3/18	99.7	7650	6623	5089	403052	9262	n/a
41	10/3/18	100.5	7560	6321	5068	399877	8959	n/a
42	10/3/18	99.9	7897	5726	4908	403716	9004	n/a
43	10/4/18	100.4	7706	6709	4885	398425	8985	n/a
44	10/4/18	99.7	7432	6529	4784	400030	9246	n/a

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Taylor B 3H (51-01794)				
Top	Top MD	Base MD	Top TVD	Bot 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	6,413	6,552	6320	6,407
BRKT	6,552	6,577	6,407	6,422
TLLY	6,577	6,635	6,422	6,452
S5	6,635	6,870	6,452	6,534
S3	6,870	7,039	6,534	6,554
STFD*	7,039	7,053	6,554	6,555
S2.B	7,053	7,218	6,555	6,562
S2.A	7,218		6,562	

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API: 47-051-01794	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 3H
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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 25301	City - State - Zip Houston, TX 77042

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API: 47-051-01794	Farm Name: Williams OhioValley Midstream LLC	Well Number: Taylor B 3H
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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:	9/20/2018
Job End Date:	10/4/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01794-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Taylor B 3H
Latitude:	39.85687500
Longitude:	-80.68803000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,534
Total Base Water Volume (gal):	17,482,794
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	88.18387	None
Sand	UPP	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	10.63967	None
HCL Acid (7.5%)	UPP	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.07939	None
Unislick ST50	UPP	Friction reducer	Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.01888	None
			Ammonium acetate	631-61-8	13.00000	0.00818	None
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00315	None
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00315	None
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00315	None
	UPP	Biocide	Polyethylene glycol	7732-18-5	60.00000	0.00696	None
			2,2-Dibromo-3-nitropropionamide	10222-01-2	30.00000	0.00348	None
			Dibromoacetone	3252-43-5	5.00000	0.00058	None

Submitted 11/1/18

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Iron Control A	UPP	Iron Control Agent					
			Ethylene Glycol	107-21-1	30.00000	0.00545	None
Scale Inhibitor E	UPP	Scale Inhibitor					
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00275	None
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00069	None
			DETA phosphonate	15827-60-8	5.00000	0.00069	None
Unihib G	UPP	Acid inhibitor					
			Butyl diglycol	112-34-5	75.00000	0.00062	None
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00042	None
			Methanol	67-56-1	5.00000	0.00004	None
			Formaldehyde	50-00-0	1.00000	0.00001	None
			Thiourea	62-56-6	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	0.00818	
			Polyethylene glycol	7732-18-5	60.00000	0.00696	
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00315	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00315	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00315	
			Hexamethylene Triamine Penta (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00069	
			DETA phosphonate	15827-60-8	5.00000	0.00069	
			Dibromoacetonitrile	3252-43-5	5.00000	0.00058	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00042	
			Methanol	67-56-1	5.00000	0.00004	
			Thiourea	62-56-6	1.00000	0.00001	
			Formaldehyde	50-00-0	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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LINE	BEARING	DISTANCE
R1	S 19°29'48" W	259.93'
R2	N 58°13'26" E	184.54'
R3	N 80°19'08" E	160.42'
R4	N 08°25'59" W	965.56'
R5	S 41°20'30" W	726.17'
R6	S 06°41'58" E	1090.75'

BHL is located on topo map 14,055 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 6,602 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 86 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 5,997 feet west of Longitude: 80° 40' 00"

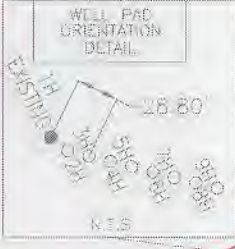
AS DRILLED
BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4414270.19
 E:524919.75
 NAD 83 WV NORTH
 N:504236.95
 E:1629326.52
 LAT/LON DATUM-NAD83
 LAT:39.878117
 LON:-80.708581

PERMITTED
BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4414266.11
 E:524914.69
 NAD 83 WV NORTH
 N:504223.85
 E:1629309.70
 LAT/LON DATUM-NAD83
 LAT:39.878081
 LON:-80.708639

PERMITTED
APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4412195.53
 E:526648.32
 NAD 83 WV NORTH
 N:497334.14
 E:1634885.01
 LAT/LON DATUM-NAD83
 LAT:39.859372
 LON:-80.688450

AS DRILLED
APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4412209.13
 E:526647.41
 NAD 83 WV NORTH
 N:497378.82
 E:1634882.76
 LAT/LON DATUM-NAD83
 LAT:39.859494
 LON:-80.688461

AS DRILLED
SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4411918.46
 E:526685.19
 NAD 83 WV NORTH
 N:496422.94
 E:1634990.82
 LAT/LON DATUM-NAD83
 LAT:39.856875
 LON:-80.688031



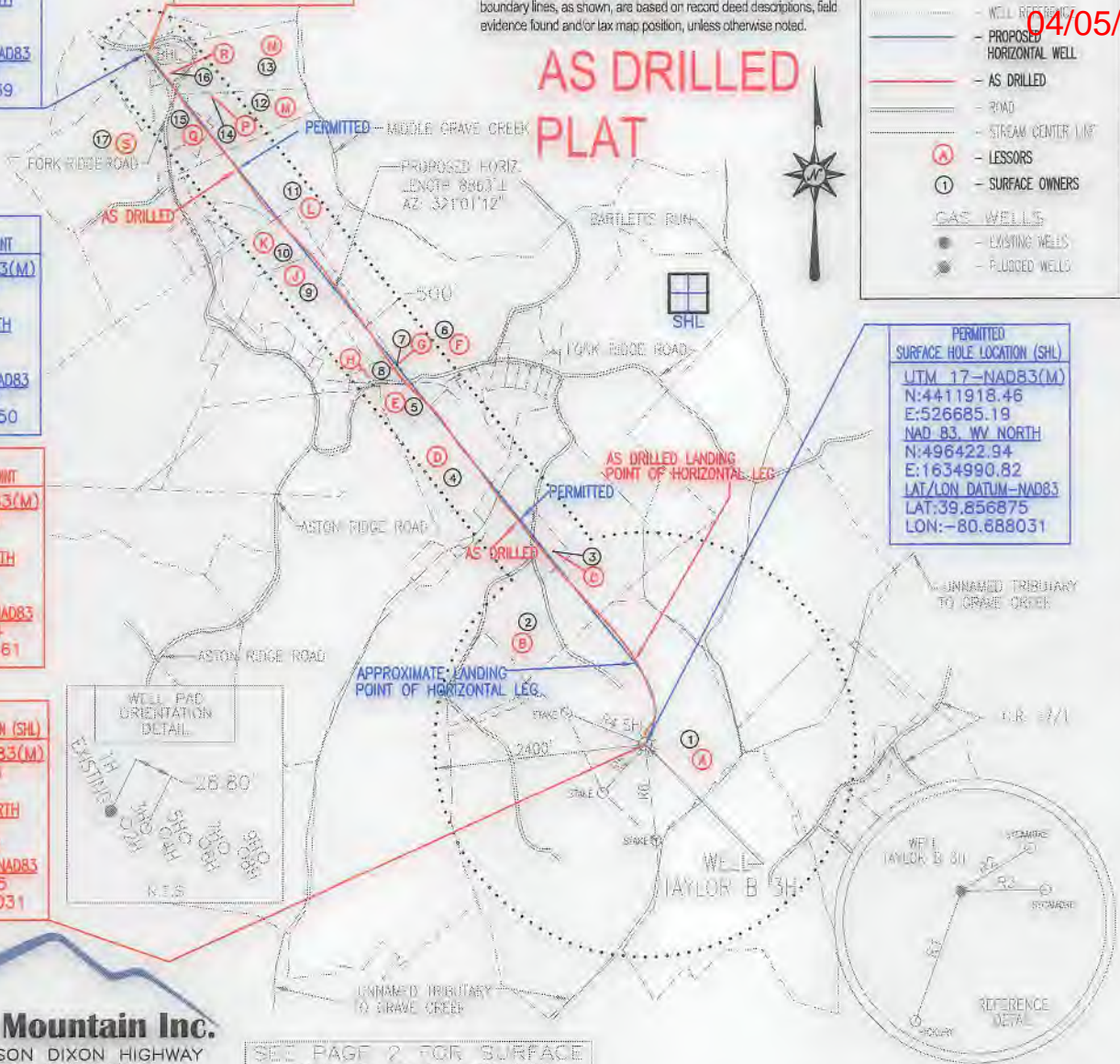
- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 625' of proposed well.
 3. Proposed well pad is within 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no native trout streams within 300' of 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.

LEGEND

- - TYP. MAP POINT
- - WELL
- - ALL ARC POINTS UNLESS OTHERWISE NOTED
- - MINERAL TRACT BOUNDARY
- - PARCEL LINES
- - WELL BOUNDARY
- - PROPOSED HORIZONTAL WELL
- - AS DRILLED
- - ROAD
- - STREAM CENTER LINE
- ⓐ - LESSORS
- ⓑ - SURFACE OWNERS

GAS WELLS

- - EXISTING WELLS
- - PLUGGED WELLS



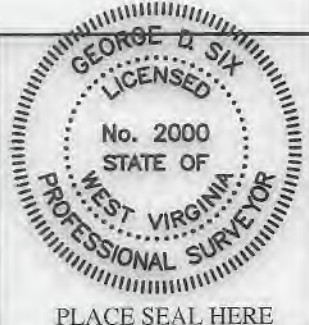
Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: TAYLOR B 3H-AS DRILLED
 DRAWING #: TAYLOR B 3H-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 3H-AS DRILLED
 API WELL #: 47 51 01794 W-25
 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: 703.572±

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: 15,964.47'±
 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 3H PAGE 2 OF 2

AS DRILLED PLAT

04/05/2019

PERMITTED SURFACE HOLE LOCATION (SHL)	AS DRILLED SURFACE HOLE LOCATION (SHL)	PERMITTED APPROX. LANDING POINT	AS DRILLED APPROX. LANDING POINT	PERMITTED BOTTOM HOLE LOCATION (BHL)	AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4411918.46 E:526685.19 NAD 83, WV NORTH N:496422.94 E:1634990.82 LAT/LON DATUM-NAD83 LAT:39.856875 LON:-80.688031	UTM 17-NAD83(M) N:4411918.46 E:526685.19 NAD 83, WV NORTH N:496422.94 E:1634990.82 LAT/LON DATUM-NAD83 LAT:39.856875 LON:-80.688031	UTM 17-NAD83(M) N:4412195.53 E:526648.32 NAD 83, WV NORTH N:497334.14 E:1634885.01 LAT/LON DATUM-NAD83 LAT:39.859372 LON:-80.688450	UTM 17-NAD83(M) N:4412209.13 E:526647.41 NAD 83, WV NORTH N:497378.82 E:1634882.76 LAT/LON DATUM-NAD83 LAT:39.859494 LON:-80.688461	UTM 17-NAD83(M) N:4414266.11 E:524914.69 NAD 83, WV NORTH N:504223.85 E:1629309.70 LAT/LON DATUM-NAD83 LAT:39.878081 LON-80.708639	UTM 17-NAD83(M) N:4414270.19 E:524918.75 NAD 83, WV NORTH N:504236.95 E:1629326.52 LAT/LON DATUM-NAD83 LAT:39.878117 LON:-80.708581

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/20
2	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
3	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-9/27
4	WILLIAM R. STANDIFORD, ET. UX.	4-9/23.3
5	WILLIAM R. STANDIFORD, ET. UX.	4-9/17.2
6	RONALD A. HILL	4-9/5
7	MARSHALL COUNTY PUBLIC SERVICE DISTRICT	4-9/17.1
8	WILLIAM R. STANDIFORD, ET. UX.	4-9/17
9	HARLEY L. II & PATRICIA L. GATTS	4-9/7
10	JAMES R. BUCHANAN JR.	4-9/8
11	GUERRY J. & SUZANNE K. SCHUMAN	4-9/2.15
12	GUERRY J. & SUZANNE K. SCHUMAN	4-9/2.7
13	RICKY LEE MCGARY	4-9/2
14	GUERRY J. & SUZANNE K. SCHUMAN	4-9/2.8
15	GUERRY & SUZANNE SCHUMAN	4-9/2.17
16	OAK GROVE M E CHURCH	4-9/1
17	JEFFREY RYAN	4-9/2.5

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	LEE R. & SHERRI L. TAYLOR
C	LEE R. & SHERRI L. TAYLOR
D	WILLIAM ROGER STANDIFORD
E	WILLIAM ROGER STANDIFORD
F	RONALD A. HILL ET AL.
G	MARSHALL CO. PUBLIC SER. DIST., ET AL
H	WILLIAM ROGER STANDIFORD, ET AL
J	HARLEY L. GATTS, ET AL
K	JAMES R. BUCHANAN, JR.
L	GUERRY J. & SUZANNE K. SCHUMAN
M	GUERRY J. & SUZANNE K. SCHUMAN
N	RICKY LEE & LISA MCGARY
P	GUERRY J. & SUZANNE K. SCHUMAN
Q	GUERRY J. & SUZANNE K. SCHUMAN
R	OAK GROVE CHURCH
S	JEFFERY L. RYAN

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