

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

API 47 - 051 - 01823 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 5H
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 496415.80 Easting 1635019.95
Landing Point of Curve Northing 497708.82 Easting 1635402.74
Bottom Hole Northing 501001.01 Easting 1632737.84

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 4/6/2015 Date drilling commenced 11/6/15 Date drilling ceased 3/17/16
Date completion activities began 9/10/16 Date completion activities ceased 2/3/19
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 n/a 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]
3/23/19

WR-35
Rev. 8/23/13

API 47-051 - 01823 Farm name Williams Ohio Valley Midstream LLC Well number Taylor B 5H

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"	544'	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"	11596'	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	542.40	Surface	8
Coal	Class A	815	15.6	1.19	969.85	Surface	8
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	Lead & Tail Class G/H	Lead - 1396 / Tail - 1129	L - 14.8 / T - 15.2	Lead - 1.12 / Tail - 1.15	Lead - 1563.52 / Tail - 1298.35	Surface	8
Tubing							

Drillers TD (ft) ^{11617'} _____ Loggers TD (ft) ^{11617'} _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ^{5185'} _____

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 in the water and intermediate strings. The production string has two centralizers every joint in the lateral curve then one every joint from KOP to surface.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS SEE PERFORATION AND STIMULATION REPORT ATTACHED
 RECEIVED
 Office of Oil and Gas

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS FEB 19 2019

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

API: 47-051-01823	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 5H
-------------------	---	--------------------------

PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	11/19/16	11490	11330	47	Marcellus
2	11/19/16	11289	11049	47	Marcellus
3	11/19/16	11009	10769	47	Marcellus
4	11/19/16	10729	10489	47	Marcellus
5	11/20/16	10450	10210	47	Marcellus
6	11/20/16	10170	9931	47	Marcellus
7	9/11/18	9889	9729	47	Marcellus
8	9/12/18	9686	9529	47	Marcellus
9	9/12/18	9486	9329	47	Marcellus
10	9/12/18	9289	9129	47	Marcellus
11	9/12/18	9089	8929	47	Marcellus
12	9/13/18	8889	8729	47	Marcellus
13	9/13/18	8689	8529	47	Marcellus
14	9/13/18	8489	8329	47	Marcellus
15	10/5/18	8289	8129	47	Marcellus
16	10/5/18	8089	7929	47	Marcellus
17	10/6/18	7889	7729	47	Marcellus
18	10/6/18	7689	7529	47	Marcellus
19	10/6/18	7489	7329	47	Marcellus
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

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

RECEIVED
Office of Oil and Gas

FEB 19 2019

WV Department of
Environmental Protection

API: 47-051-01823	Well Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 5H
-------------------	---	--------------------------

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	11/19/16	96.1	8385	6185	4205	490620	9651	n/a
2	11/19/16	96.9	8078	6318	4795	491364	11365	n/a
3	11/19/16	97.3	7876	6245	4890	491254	9806	n/a
4	11/19/16	99.6	7983	6353	4864	490400	9805	n/a
5	11/20/16	98.2	8034	6597	4925	489700	9841	n/a
6	11/20/16	100.6	8106	6314	4920	568360	10951	n/a
7	9/11/18	98.6	8870	6787	5074	401478	9303	n/a
8	9/12/18	100.2	8147	6422	4945	402896	9179	n/a
9	9/12/18	98.8	7926	6585	4875	400010	9352	n/a
10	9/12/18	99.6	7596	5834	4788	400045	9383	n/a
11	9/12/18	100.4	7924	6450	4875	400577	9204	n/a
12	9/13/18	100	8074	6525	5007	400811	9190	n/a
13	9/13/18	97.9	8431	7607	4648	399241	9309	n/a
14	9/13/18	99.6	7509	6320	4995	400494	9087	n/a
15	10/5/18	98.8	8223	7328	4655	400942	10950	n/a
16	10/5/18	100.2	7704	7552	4873	399793	9097	n/a
17	10/6/18	100.3	7484	6924	4899	399555	9757	n/a
18	10/6/18	99.8	7357	6361	4874	400317	9198	n/a
19	10/6/18	90.7	8629	6300	4553	400280	9157	n/a
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

RECEIVED
Office of Oil and Gas

FEB 19 2019

WV Department of
Environmental Protection

Taylor B 5H (51-01823)				
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	6470.57	6248	6394
BRKT	6,851	6,875	6,407	6,418
TLLY	6,875	6,943	6,418	6,450
S5	6,943	7,194	6,450	6,532
S3	7,194	7,298	6,532	6,550
STFD*	7,298	7,332	6,550	6,553
S2.B	7,332	7,783	6,553	6,558
S2.A	7,783		6,558	

RECEIVED
Office of Oil and Gas

FEB 19 2019

WV Department of
Environmental Protection

API: 47-051-01823	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor B 5H
-------------------	---	--------------------------

DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Nabors Drilling USA
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10100 NW 10th Street
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25301	City - State - Zip Oklahoma City, OK 73127

RECEIVED
Office of Oil and Gas

FEB 19 2019

WV Department of
Environmental Protection

✓

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/11/2018
Job End Date:	10/6/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01823-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Taylor B 5H
Latitude:	39.85685600
Longitude:	-80.68792600
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,525
Total Base Water Volume (gal):	5,130,972
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	88.11072	None
Sand	UPP	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	10.70309	None
HCL Acid (7.5%)	UPP	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.07992	None
Unislick ST50	UPP	Friction reducer	Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.01940	None
			Ammonium acetate	631-61-8	13.00000	0.00841	None
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00323	None
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00323	None
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00323	None
K-BAC 1020	UPP	Biocide	Polyethylene glycol	25322-68-3	50.00000	0.00336	None
			Water	7732-18-5	30.00000	0.00202	None
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	21.00000	0.00141	None

RECEIVED
 Office of Oil and Gas
 FEB 19 2019
 Department of Environmental Protection

SUBMITTED 11/1/18

Iron Control A	UPP	Iron Control Agent					
			Ethylene Glycol	107-21-1	30.00000	0.00548	None
EC6116A	UPP	Biocide					
			Polyethylene glycol	7732-18-5	60.00000	0.00279	None
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	30.00000	0.00139	None
			Dibromoacetone	3252-43-5	5.00000	0.00023	None
Scale Inhibitor E	UPP	Scale Inhibitor					
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00280	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	0.00062	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
Unigel 5F	UPP	Viscosifier					
			Guar Gum	9000-30-0	100.00000	0.00072	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	0.00841	
			Polyethylene glycol	25322-68-3	50.00000	0.00336	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00323	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00323	
			Alcohols, ethoxylated	68551-12-2	5.00000	0.00323	
			Polyethylene glycol	7732-18-5	60.00000	0.00279	
			Water	7732-18-5	30.00000	0.00202	
			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	
			Dibromoacetone	3252-43-5	5.00000	0.00023	
			Methanol	67-56-1	5.00000	0.00004	
			Formaldehyde	50-00-0	1.00000	0.00001	
			Thiourea	62-56-6	1.00000	0.00001	

RECEIVED
 Office of Oil and Gas
 FEB 19 2019
 MW Department of
 Environmental Protection

* 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)

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/17/2016
Job End Date:	11/18/2016
State:	West Virginia
County:	Marshall
API Number:	47-051-01823-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Taylor B 5H
Latitude:	39.85685600
Longitude:	-80.68792600
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,538
Total Base Water Volume (gal):	2,622,690
Total Base Non Water Volume:	



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
Unislick ST50	Universal Well Services	Friction Reducer					
				Listed Below			
Unihib	Universal Well Services	Acid Inhibitor					
				Listed Below			

RECEIVED
 Division of Oil and Gas
 Environmental Protection
 WV Department of
 FEB 19 2019

Submitted 12/13/14

Hydrochloric Acid (7.5%)	Universal Well Services	Acidizing					
				Listed Below			
K-Bac 1020	Universal Well Services	Biocide					
				Listed Below			
Water	Chevron Appalachia, LLC	Carrier/Base Fluid					
				Listed Below			
Scale Hib A	Universal Well Services	Scale Inhibitor					
				Listed Below			
Sand (Proppant)	Universal Well Services	Proppant					
				Listed Below			

Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.

			Water	7732-18-5	100.00000	86.93800	
			Silica	14808-60-7	99.90000	11.99093	
			Hydrogen Chloride	7647-01-0	7.50000	0.07147	
			Petroleum Distillates, Hydrotreated Light	64742-47-8	30.00000	0.02210	
			Ammonium Acetate	631-61-8	13.00000	0.00958	
			Polyethylene Glycol	25322-68-3	50.00000	0.00617	
			Triethanolamine Tri (Phosphate Ester), Sodium Salt	68171-29-9	30.00000	0.00596	
			Ethylene Glycol	107-21-1	30.00000	0.00596	
			Water	7732-18-5	30.00000	0.00370	
			Alcohols, ethoxylated	68439-50-9	5.00000	0.00368	
			Alcohols, ethoxylated	68002-97-1	5.00000	0.00368	

RECEIVED
Office of Oil and Gas
Environmental Protection
Jan 19 2019

			Alcohols, ethoxylated	68551-12-2	5.00000	0.00368	
			2,2-Dibromo-3-nitrilopropionamide	10222-01-2	21.00000	0.00259	
			Butyl diglycol	112-34-5	75.00000	0.00021	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00014	
			Methanol	67-56-1	5.00000	0.00001	
			Formaldehyde	50-00-0	1.00000		
			Thiourea	62-56-6	1.00000		

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

RECEIVED
Office of Oil and Gas
FEB 19 2019
WV Department of
Environmental Protection

**PERMITTED
BOTTOM HOLE LOCATION (BHL)**
UTM 17-NAD83(M)
N:4413306.21
E:525980.92
NAD 83, WV NORTH
N:501015.46
E:1632755.88
LAT/LON DATUM-NAD83
LAT:39.869400
LON:-80.696208

**AS-DRILLED
BOTTOM HOLE LOCATION (BHL)**
UTM 17-NAD83(M)
N:4413301.72
E:525975.50
NAD 83, WV NORTH
N:501001.01
E:1632737.84
LAT/LON DATUM-NAD83
LAT:39.869361
LON:-80.696272

BHL is located on topo map 2,040 feet south of Latitude: 39 ° 52 ' 30 "
SHL is located on topo map 6,609 feet south of Latitude: 39 ° 52 ' 30 "

- 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.

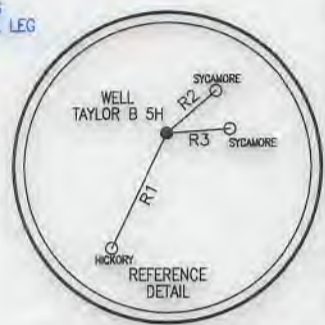
LEGEND

- 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

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS

BHL is located on topo map 8,292 feet west of Longitude: 80 ° 40 ' 00 "
SHL is located on topo map 5,968 feet west of Longitude: 80 ° 40 ' 00 "



LINE	BEARING	DISTANCE
R1	S 25°58'21" W	264.61'
R2	N 49°06'57" E	135.24'
R3	N 86°03'27" E	131.59'
R4	N 68°39'59" W	993.10'
R5	S 43°24'04" W	740.51'
R6	S 05°12'33" E	1080.59'

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

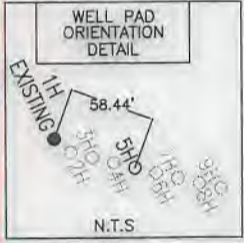
Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

**PERMITTED
SURFACE HOLE LOCATION (SHL)**
UTM 17-NAD83(M)
N:4411916.44
E:526694.11
NAD 83, WV NORTH
N:496415.80
E:1635019.95
LAT/LON DATUM-NAD83
LAT:39.856856
LON:-80.687925

**AS-DRILLED
SURFACE HOLE LOCATION (SHL)**
UTM 17-NAD83(M)
N:4411916.44
E:526694.11
NAD 83, WV NORTH
N:496415.80
E:1635019.95
LAT/LON DATUM-NAD83
LAT:39.856856
LON:-80.687925

**PERMITTED
APPROX. LANDING POINT**
UTM 17-NAD83(M)
N:4412313.11
E:526802.89
NAD 83, WV NORTH
N:497711.51
E:1635398.67
LAT/LON DATUM-NAD83
LAT:39.860428
LON:-80.688639

**AS-DRILLED
APPROX. LANDING POINT**
UTM 17-NAD83(M)
N:4412312.31
E:526804.14
NAD 83, WV NORTH
N:497708.82
E:1635402.74
LAT/LON DATUM-NAD83
LAT:39.860419
LON:-80.688622



FILE #: TAYLOR B 5H - AS-DRILLED
DRAWING #: TAYLOR B 5H - 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 12, 2018
OPERATOR'S WELL #: TAYLOR B 5H - AS-DRILLED
API WELL #: 47 51 01823
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: 637.717±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE

(SPECIFY): TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,533'± TMD: 11,830.88'±

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

**AS DRILLED
PLAT**

**TAYLOR B
5H
PAGE 2 OF 2**

03/29/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/20
2	JAMES D. RULONG	4-9/20
3	LEE R. TAYLOR ET UX	4-10/21
4	KENNETH L. McCRACKEN ET UX	4-9/23.5
5	WILLIAM R. STANDIFORD ET UX	4-9/23.3
6	DONALD E. VAN SCYOC ET UX	4-9/23.2
7	WILLIAMS OHIO VALLEY MIDSTREAM	4-9/25
8	WILLIAM R. STANDIFORD ET UX	4-9/5.1
9	RONALD A. HILL	4-9/5

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	CLARENCE RULONG
C	LEE R. & SHERRI L. TAYLOR
D	KENNETH L. & SHIRLEY J. MCCRACKEN
E	WILLIAM ROGER STANDIFORD
F	DONALD E. VAN SCYOC
G	DONALD E. VAN SCYOC
H	WILLIAM ROGER STANDIFORD
J	RONALD A. HILL, ET AL

PERMITTED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4411916.44 E:526694.11 NAD 83, WV NORTH N:496415.80 E:1635019.95 LAT/LON DATUM-NAD83 LAT:39.856856 LON:-80.687925

PERMITTED APPROX. LANDING POINT
UTM 17-NAD83(M) N:4412313.11 E:526802.89 NAD 83, WV NORTH N:497711.51 E:1635398.67 LAT/LON DATUM-NAD83 LAT:39.860428 LON:-80.686639

PERMITTED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413306.21 E:525980.92 NAD 83, WV NORTH N:501015.46 E:1632755.88 LAT/LON DATUM-NAD83 LAT:39.869400 LON:-80.696208

AS-DRILLED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4411916.44 E:526694.11 NAD 83, WV NORTH N:496415.80 E:1635019.95 LAT/LON DATUM-NAD83 LAT:39.856856 LON:-80.687925

AS-DRILLED APPROX. LANDING POINT
UTM 17-NAD83(M) N:4412312.31 E:526804.14 NAD 83, WV NORTH N:497708.82 E:1635402.74 LAT/LON DATUM-NAD83 LAT:39.860419 LON:-80.686622

AS-DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413301.72 E:525975.50 NAD 83, WV NORTH N:501001.01 E:1632737.84 LAT/LON DATUM-NAD83 LAT:39.869361 LON:-80.696272