

#### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

March 23, 2016

#### WELL WORK PLUGGING PERMIT

#### Plugging

This permit, API Well Number: 47-5101801, issued to CHEVRON APPALACHIA, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: TAYLOR C 2H

Farm Name: WILLIAMS OHIO VALLEY MIDS?

API Well Number: 47-5101801 Permit Type: Plugging

Date Issued: 03/23/2016

### **PERMIT CONDITIONS**

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

#### **CONDITIONS**

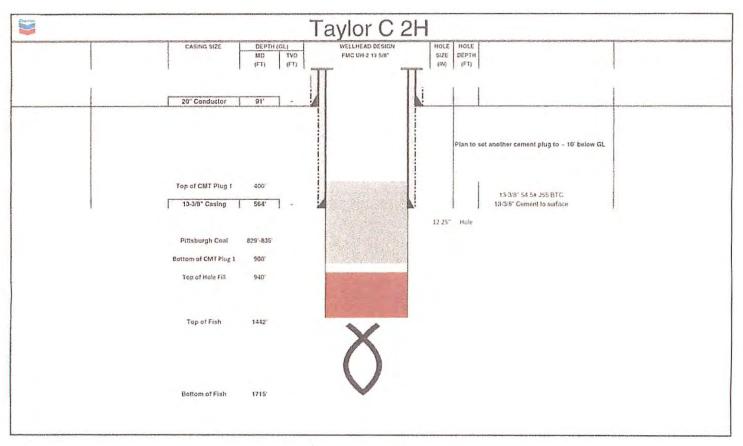
- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

1) Date	, 20
2)Operator's	
Well No.	
3; API Well No.	47

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

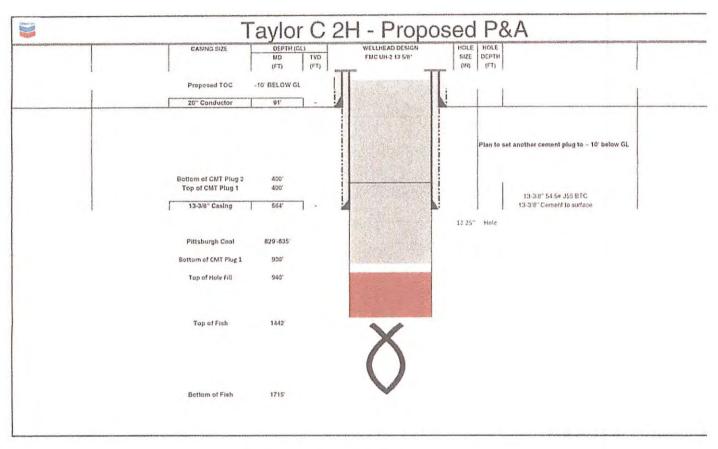
	Well Type: (	Dil/ Gas <mark>X</mark> / Liqui	d injection/ Waste	disposal
		'Gas, Production or Ur		
	Location: El	levation 1257	Watershed Middle Grave	**************************************
	Di	strict Clay	County Marshall Quad	irangle Glen Easton, W
	Well Operator	Chevron Appalachia, LLC	7)Designated Agent_n/a	
	Address	800 Mountain View Drive		
		Smithfield, PA 15478	And Market	
	Oil and Gas !	Inspector to be notified	9)Plugging Contractor	
	Name Eric Bl	end		
		D. Box 2115	Address	ng dia sana diak sa mira dia diak dia sana dia dia dia dia dia pendinya sa dia diakena. Nyaéta sana dia dia dia dia dia dia dia dia dia di
	W	neeling, WV 26003	<ul> <li>A section of the sectio</li></ul>	t distributes a principus submits appointed up a contradict south that the state of the same for some second contradicts.
			بنيت ويندو ويندو وينجون	n e a rom de production de production de la company de
	Work Order: ee attached	The work order for the man	ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
			ner of plugging this wel	l is as follows:
	ee attached	be given to the district o		
<u>.</u>	ee attached	be given to the district o		



C. BRO 12/3/15

RECEIVED
Office of Oil and Gas

DEC 0 8 2015



C. 12/3/15

RECEIVED
Office of Oil and Gas

DEC 0 8 2015

WR-	35
Rev.	8/23/13

51018019
Page 3 of 5

API 47- 051 \_ Williams Ohio Valley Midstream LLC Well number 2H Farm name

#### PERFORATION RECORD

Stage No	Perforation date	Perforated from MD ft	Perforated to MD ft	Number of Perforations	Formation(s)
	n/a				
-					
					HESENER
					OFFICE OF OIL AND GAS
					JAN 0 6 2016

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)
	n/a							
							7	
						_		
_						-		
					-	-		
						-		
							10.20	

Please insert additional pages as applicable.

#### Taylor C 2H P&A Procedure

Plug Set from ~400' to a maximum TOC of 10' below GL

- 1. N/U 13 5/8" Annular. Test break.
- 2. TIH with 4" 14.0# DP
- 3. RU Cementers
- 4. Pressure test lines
- 5. Pump ~57 bbls of Class A or G cement
- 6. POOH slowly (<30'/min)
- 7. N/D BOPE and skid rig

#### Offline

- 1. Cut off 20" landing ring, 13-3/8" hanger, and 13 5/8" Wellhead.
- 2. Install permanent monument (pipe to surface)
  - Cement remaining wellbore to surface
  - Minimum diameter of 6"
  - Pipe shall extend to a depth of 10' below GL into well
  - Pipe shall extend to a depth of >30" above GL
  - Monument shall be sealed with concrete
  - API well identification number shall be stamped on monument with lettering no smaller than ½"

C. 18/0 12/3/11

RECEIVED
Office of Oil and Gas

DEC 0 8 2015

WR-35 Rev. 8/23/13 API 47- 051 \_ 01801 Farm name Williams Ohio Valley Midstream LLC Well number 2H PRODUCING FORMATION(S) **DEPTHS** TVD MD . LUCIVED OFFICE OF OIL AND GAS IAN 06 2016 Please insert additional pages as applicable. **GAS TEST** □ Build up □ Drawdown □ Open Flow OIL TEST - Flow - Pump Surface psi Bottom Hole psi DURATION OF TEST SHUT-IN PRESSURE **OPEN FLOW** Gas Oil NGL Water GAS MEASURED BY mcfpd bpd bpd LITHOLOGY/ TOP **BOTTOM** TOP **BOTTOM FORMATION** DEPTH IN FT DEPTH IN FT DESCRIBE ROCK TYPE AND RECORD QUANTITY AND DEPTH IN FT DEPTH IN FT NAME TVD TVD TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC) MD MD 0 0 **Dunkard Group** 100 530 100 530 SLTST, SH, Freshwater Waynesburg Coal 530 531 530 531 Coal Pittsburgh Coal 828 820 820 828 Coal Big Lime 1885 1920 1885 1920 LS, trace SLTST Burgoon 1980 2185 1980 2185 SS Squaw 2185 TD TD 2185 SLTST

Prease insert additional pages as applicable.						
Drilling Contractor SEE ATTACHED Address	City		State		Zip	
	City		State		_ Zıp	
Logging Company n/a						
Address	City		State		_ Zip	
Cementing Company Baker Hughes						
Address 5373 West Alabama, Suite 300	City	Houston	State	TX	Zip_77056	
Stimulating Company n/a			ŧ			
Address	City		State		Zip	
Please insert additional pages as applicable.						
Completed by Jackie M. Scholar			Telephone 724-564	-3721		
Signature Helle Malto	Title R	egulatory Compliar		Date 1/5	/2016	
Submittal of Hydraulic Fracturing Chemical Dis	sclosure Info	rmation Atta	ach copy of FRACE	OCUS R	Registry	
					03	/25/
						0, .



JAN 0 6 2016

State of West Virginia

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

054 04004 Manakali	01	
API 47 - 051 - 01801 County Marshall	District Clay	
Quad Glen Easton Pad Name Taylor C	Field/Pool Name	
	_ Well Number 2H	
Operator (as registered with the OOG) Chevron Appalachia, LLC		
Address 800 Mountain View Drive City Smithfield	State PA	Zip 15478
	sting	
	stingsting	
Elevation (ft) 1257' GL Type of Well New Existing  Permit Type Deviated Horizontal Horizontal 6A Vertical	Type of Report Depth Type	Interim Final  Deep B Shallow
Type of Operation □ Convert □ Deepen ■ Drill □ Plug Back □ Redu	rilling   Rework	Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □ Secondary Recovery □ S	Solution Mining D Stora	ge 🗆 Other
Type of Completion	hole □ Air ■ Mud	Other
Mud Type(s) and Additive(s) Fluid loss control, emulsifier, and shale stabilizer		
Date permit issued 3/31/2015 Date drilling commenced 8/25/201  Date completion activities began Date completion activities	Date drining cea	sed12/4/2015
Verbal plugging (Y/N)  N  Date permission granted	Granted by	
	Grained by	
Please note: Operator is required to submit a plugging application within 5 days of	verbal permission to plug	3
Freshwater depth(s) ft1" stream @ 495' MD Open mine(s) (Y/N)	depths	N
Salt water depth(s) ft 'slight show' ML @ 1755' MD Void(s) encountered		N
Coal depth(s) ft 530' MD Waynesburg , 835' Pittsburgh Coal Cavern(s) encountered	***************************************	
	ed (1/N) depths	N

Page 2 of 5

WR-35 Rev. 8/23/13 Farm name Williams Ohio Valley Midstream LLC Well number 2H API 47-051 01801 CASING Hole Casing New or Grade Basket Did cement circulate (Y/N) STRINGS Depth(s) \* Provide details below\* Size Size Depth Used wt/ft Conductor 73 26 20 New Surface 17 1/2 13 3/8 547 New J-55; 54.50 Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Packer type and depth set Comment Details CEMENT Class/Type Number WOC Slurry Yield Volume Cement of Cement DATA of Sacks wt (ppg) (fl 3/sks) (ft 1) Top (MD) (hrs) Conductor 113 Surface Class A 443 15.60 1.20 532 Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing Drillers TD (ft) 1757 Loggers TD (ft) 1757 Deepest formation penetrated Plug back to (ft) Plug back procedure Kick off depth (ft) Check all wireline logs run a 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 Bow spring centralizers every two joints RECEIVED OFFICE OF OIL AND GAS WAS WELL COMPLETED AS SHOT HOLE **DETAILS** 🗆 Yes 🚪 No JAN 06 2016 WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS

TYPE OF TRACER(S) USED

WERE TRACERS USED ☐ Yes ■ No

WR-35

Page 0 of 5

API: 47-5101801	Well Name: Taylor C	Well Number: 2H
-----------------	---------------------	-----------------

DRILLING CONTRACTORS							
Driller	Driller	Driller					
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name					
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address					
City - State - Zip Vernal, UT 84078	City – State – Zip Charlestown, WV 25301	City - State - Zip					

OFFICE OF OIL AND GAS

JAN 06 2016

# Calculated by Baker Hughes, Inc. Elevation GL: 1235.00 ft

Job Number: 7636325 Company: Chevron Lease/Well: Taylor C 2H Location: MARSHALL COUNTY Rig Name: Highlands 14 State/County: WV/ MARSHALL

Country: US

RKB: 16.67 ft

Projection System: US State Plane 1983 Projection Group: West Virginia Northern Zone

Projection Datum: GRS80

---IVEU

Magnetic Declination: -8.68°

Magnetic Declination: -8.68° OFFICE OF THE AND GAS

Date: 11/18/2015

	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	Closure Distance (Ft)	DLS °/100	Northing (US ft)	Easting (US ft)	AB/NS From- Plan	LR/EW From- Plan
	51.58	16.67	0	0	0	0	0	494606.89	1632365.5	.00	.0
	78.58	50	0.02	0.11	0.05	0.11	1.11	1632322.7	494593.33	.00	.00
0.37	125	75	-0.01	0.25	0.17	0.25	1.17	1632322.84	494593.3	.00	.0
	62.09	100	-0.19	0.36	0.38	0.41		1632322.95	494593.11	.00	.0
	182.7	125	-0.51	0.4	0.64	0.64	1.23	1632322.98	494593.11		
0.45 1		149.99	-0.78	0.39	0.85	0.87	1.48			.00	.0
	31.21	174.99	-0.92	0.42				1632322.96	494592.52	.00	.0
0.28 2		199.99	-1.01		0.98	1.01	1.4	1632323	494592.38	.00	.0
0.26 2		224.99		0.43	1.05	1.1	1.45	1632323.01	494592.3	.00	.0
0.23 2		249.99	-1.1	0.36	1.08	1.16	0.1	1632322.94	494592.2	.00	.0
	218.9		-1.19	0.3	1.1	1.22	0.13	1632322.87	494592.12	.00	.0
0.41 2		274.99	-1.27	0.23	1.13	1.29	0.2	1632322.8	494592.03	.00	.01
		299.99	-1.39	0.13	1.16	1.39	0.52	1632322.7	494591.92	.00	.00
	230.5	324.99	-1.56	-0.05	1.17	1.56	1.33	1632322.52	494591.75	.00	.00
0.79 2		349.99	-1.76	-0.31	1.17	1.79	0.29	1632322.25	494591.55	.00	.00
0.6 2		374.99	-1.94	-0.56	1.15	2.02		1632322.01	494591.37	.00	.00
	241.52	399.99	-2.07	-0.75	1.13	2.2	0.61	1632321.81	494591.25	.00	.01
0.46 2		424.99	-2.17	-0.93	1.09	2.36	0.04	1632321.63	494591.15	.00	.00
0.42 2		449.98	-2.23	-1.11	1.03	2.49	0.54	1632321.45	494591.09	.00	.00
0.46 2		474.98	-2.26	-1.3	0.93	2.61	0.23	1632321.26	494591.06	.00	.00
0.36 2		494.98	-2.28	-1.44	0.85	2.7	0.51	1632321.12	494591.05	.00	.0
	87.68	589.98	-2.31	-1.51	0.84	2.76	0.66	1632321.05	494591.02	52	02
	61.28	620.98	-2.31	-1.43	0.88	2.71	0.79	1632321.13	494591.02	80	03
0.39	66.4	652.98	-2.26	-1.32	0.91	2.62	1.13	1632321.24	494591.07	-1.11	.00
	66.15	683.98	-2.17	-1.12	0.97	2.44	0.1	1632321.44	494591.15	-1.52	.06
	64.59	714.98	-2.09	-0.93	1.02	2.28	0.23	1632321.63	494591.24	-1.91	.12
0.48	46.16	745.98	-1.95	-0.75	1.04	2.09	0.6	1632321.81	494591.37	-2.30	.22
0.63	45.67	777.98	-1.74	-0.53	1.01	1.82	0.47	1632322.04	494591.58	-2.75	.4
0.43	76.32	808.98	-1.59	-0.3	1.05	1.62	1.1	1632322.27	494591.72	-3.20	.52
0.3	34.88	839.98	-1.5	-0.14	1.07	1.5	0.92	1632322.43	494591.81	-3.57	.59
0.27 2	26.46	870.98	-1.48	-0.14	1.06	1.49	1.83	1632322.43	494591.83	-3.76	.60
0.46 2	24.15	901.98	-1.62	-0.28	1.08	1.65	0.61	1632322.29	494591.69	-3.86	79
1.09 2	42.92	932.97	-1.85	-0.63	1.03	1.95	2.16	1632321.93	494591.47	-3.98	-1.17
1.52 2	43.82	964.96	-2.17	-1.28	0.87	2.52	1.35	1632321.28	494591.16	-4.22	-1.23
1.99 2	24.25	995.95	-2.74	-2.03	0.83	3.41	2.44	1632320.53	494590.6	-4.56	-1.15
2.43 2	237.83	1026.93	-3.47	-2.96	0.81	4.56	2.2	1632319.58	494589.88	-5.01	-1.05
2.86 2	235.89	1057.89	-4.26	-4.16	0.66	5.95		1632318.38	494589.11	-5.55	98
3.38 2	32.67	1088.B5	-5.24	-5.52	0.56	7.62	1.77	1632317	494588.14	-6.17	94
4.03 2	25.68	1119.78	-6.56	-7.03	0.63	9.61	2.55	1632315.47	494586.84	-6.81	-1.05
4.83 2	23.74	1150.69	-8.26	-8.71	0.88	12.01	2.63	1632313.77	494585.16	-7.36	-1.34
	23.77	1182.57	-10.27	-10.63	1.22	14.78	0.88	1632311.83	494583.19	-7.68	-1.69
5.59 2		1213.44	-12.38	-12.6	1.6	17.66	1.61	1632309.83	494581.1	-7.79	-2.09
6.02 2		1244.28	-14.77	-14.63	2.17	20.79	1.86	1632307.77	494578.74	-7.79	-2.67
6.14 2		1275.1	-17.39	-16.6	2.94	24.04	1.07	1632305.76	494576.14	-7.46	-3.46
6.25 2		1305.92	-20.11	-18.55	3.82	27.36	0.36	1632303.78	494573.45	-7.15	-4.35
6.75 2		1337.72	-23.1	-20.59	4.84	30.95	1.77	1632301.69	494570.48	-6.42	-5.39
6.9 2		1368.5	-26.21	-22.57	5.99	34.59	0.71	1632299.67	494567.4	-5.33	-6.56
6.73		1399.28	-29.32	-24.53	7.16	38.23		1632297.67	494564.32	-4.00	-7.75
5.66 2		1430.1	-32.12	-26.36	8.17	41.55	3.48	1632295.81	494561.54	-2.72	-8.77
4.59 2		1460.97	-34.41	-27.92	8.95	44.31	3.47	1632294.22	494559.28	-1.73	-9.57
											-10.15
											-10.47
				-22 /1	0.62	E4 02	1 00	1620000 65	404554	4 70	-10.50 -10.27
				O. Hase	ers\izonn\	AppData	ORALIM	icresoft Wine	lowal Empo	rand lat	-10.2/
4.03 2: 3.38 2: 3.02 2: 2.99 2: 2.77 2:	24. 35. 43. 54.	.86 .61 .07 .23	86 1523.82 61 1554.77 07 1585.72 23 1616.69	86 1523.82 -37.82 61 1554.77 -38.93 07 1585.72 -39.76 23 1616.69 -40.33	86 1523.82 -37.82 -30.7 61 1554.77 -38.93 -32.02 07 1585.72 -39.76 -33.41 23 1616.69 -40.33 -94.9656	86 1523.82 -37.82 -30.7 9.83 61 1554.77 -38.93 -32.02 9.86 07 1585.72 -39.76 -33.41 9.62 23 1616.69 -40.33 -\$\frac{1}{2}\text{\text{y}}	86 1523.82 -37.82 -30.7 9.83 48.71 61 1554.77 -38.93 -32.02 9.86 50.41 07 1585.72 -39.76 -33.41 9.62 51.93 23 1616.69 -40.33 -\$\text{3}\text{1}\text{d}\text{sers}\text{jayw\AppData}\text{2}	86 1523.82 -37.82 -30.7 9.83 48.71 2.4 61 1554.77 -38.93 -32.02 9.86 50.41 2.25 07 1585.72 -39.76 -33.41 9.62 51.93 1.26 23 1616.69 -40.33 -34.59.59.59.44AppDate3Local4M	86 1523.82 -37.82 -30.7 9.83 48.71 2.4 1632291.39 61 1554.77 -38.93 -32.02 9.86 50.41 2.25 1632290.06 07 1585.72 -39.76 -33.41 9.62 51.93 1.26 1632288.65 23 1616.69 -40.33 -\$4:\delta sers\jayw\AppData\Logal\Microsoft\yellog\delta\jayw\AppData\Logal\Microsoft\yellog\delta\jayw\AppData\Logal\Microsoft\yellog\delta\jayw\AppData\Logal\Microsoft\yellog\delta\jayw\AppData\logal\microsoft\yellog\delta\jayw\AppData\logal\microsoft\yellog\delta\jayw\AppData\jay\Logal\microsoft\yellog\delta\jayw\AppData\jay\Logal\microsoft\yellog\delta\jayw\AppData\jay\Logal\microsoft\yellog\delta\jayw\AppData\jay\Logal\microsoft\yellog\delta\jayw\AppData\jayw\App\App\App\App\App\App\App\App\App\Ap	86 1523.82 -37.82 -30.7 9.83 48.71 2.4 1632291.39 494555.9 61 1554.77 -38.93 -32.02 9.86 50.41 2.25 1632290.06 494554.81 07 1585.72 -39.76 -33.41 9.62 51.93 1.26 1632288.65 494554 23 1616.69 -40.33 -\$\(\frac{9}{2}\)\(\frac{1}\)\(\frac{1}{2}\)\(\frac{1}{2}\)\(\f	86 1523.82 -37.82 -30.7 9.83 48.71 2.4 1632291.39 494555.901 61 1554.77 -38.93 -32.02 9.86 50.41 2.25 1632290.06 494554.81 .82 07 1585.72 -39.76 -33.41 9.62 51.93 1.26 1632288.65 494554 1.78

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	Closure Distance (Ft)	DLS °/100	Northing (US ft)	Easting (US ft)	AB/NS From- Plan	LR/EW From- Plan
1650	2.37	255.14	1647.65	-40.7	-36.19	8.58	54.46	1.3	1632285.86	494553.1	3.99	-9.25
1681	1.75	266.31	1678.63	-40.89	-37.28	8.04	55.34	2.37	1632284.77	494552.92	5.04	-8.67
1774	1.75	266.31	1771.59	-40.77	-40.34	6.01	57.35	.00	1632281.72	494553.08	7.35	7.00

OFFICE OF OIL AND GAS

JAN 06 2016

01801

WW-4A Revised 6-07

1) Date:	11/30/2015	
2) Operator	's Well Number	
Taylor C 2H	25/3/2015/1915	

STATE OF WEST VIRGINIA

3) API Well No.: 47 -

### DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

(a) Name	Williams Ohio Valley M	lidstream LLC 🗸	Name	Murray Energy Corporation ✓
Address	100 Teletech Drive, Su	ite 2	Address	46226 National Road
	Moundsville, WV 2604	1		St. Clairsville, OH 43950
(b) Name			(b) Coal Ox	wner(s) with Declaration
Address			Name	Consolidated Coal Company V
			Address	1000 Consol Energy Drive
				Canonsburg, PA 15317
(c) Name			Name	
Address			Address	
6) Inspector	Eric Blend		(c) Coal Le	ssee with Declaration
Address	P.O. Box 2115		Name	obec with pecial attent
11441000	Wheeling, WV 26003		Address	<del></del>
Telephone	304-552-1179			-
22.24	District Holes Code		_	-
Take notic accompany Protection the Applic	ying documents for a permi , with respect to the well at	of the West Virginia Co it to plug and abandon a the location described een mailed by registere	well with the Chief of the on the attached Applicated or certified mail or do	operator proposes to file or has filed this Notice and Application and he Office of Oil and Gas, West Virginia Department of Environmental ion and depicted on the attached Form WW-6. Copies of this Notice, elivered by hand to the person(s) named above (or by publication in
AMONWEALTH O	F PENNSYLVANIA	Well Operator	Chevron Appalachia,	LLC
NOTARIAL		By:	Whole hotello	
Kristen Brooks, I		Its:	AHEANDY IN FA	et
Smithfield Boro, F My Commission Expi		Address	800 Mountain View D	Drive
	SOCIATION OF NOTARIES		Smithfield, PA 15478	
		Telephone	724-564-3700	
Subscribed and	sworn before me th	his 2 rd	lay of Dece	Notary Poffice of Oil and Gas
My Commission	Expires S	nt 2 2018		
		10 2 110		DEC 0 8 2015

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a partification regulatory duties. Your personal information may be disclosed to other State agencies or thir parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Exceleration the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov. 03/25/2016

WW-9	
(2/15)	

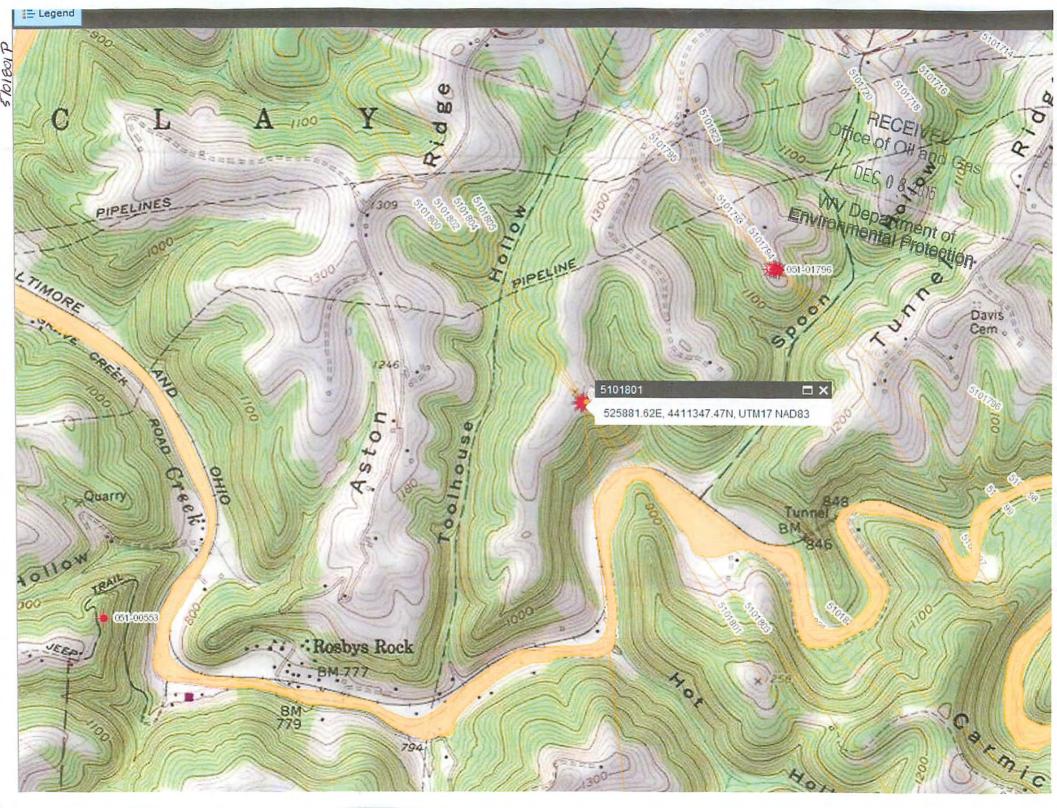
API Number 47	_ 51	- 01801
Operator	r's Well No.	Taylor C 2H

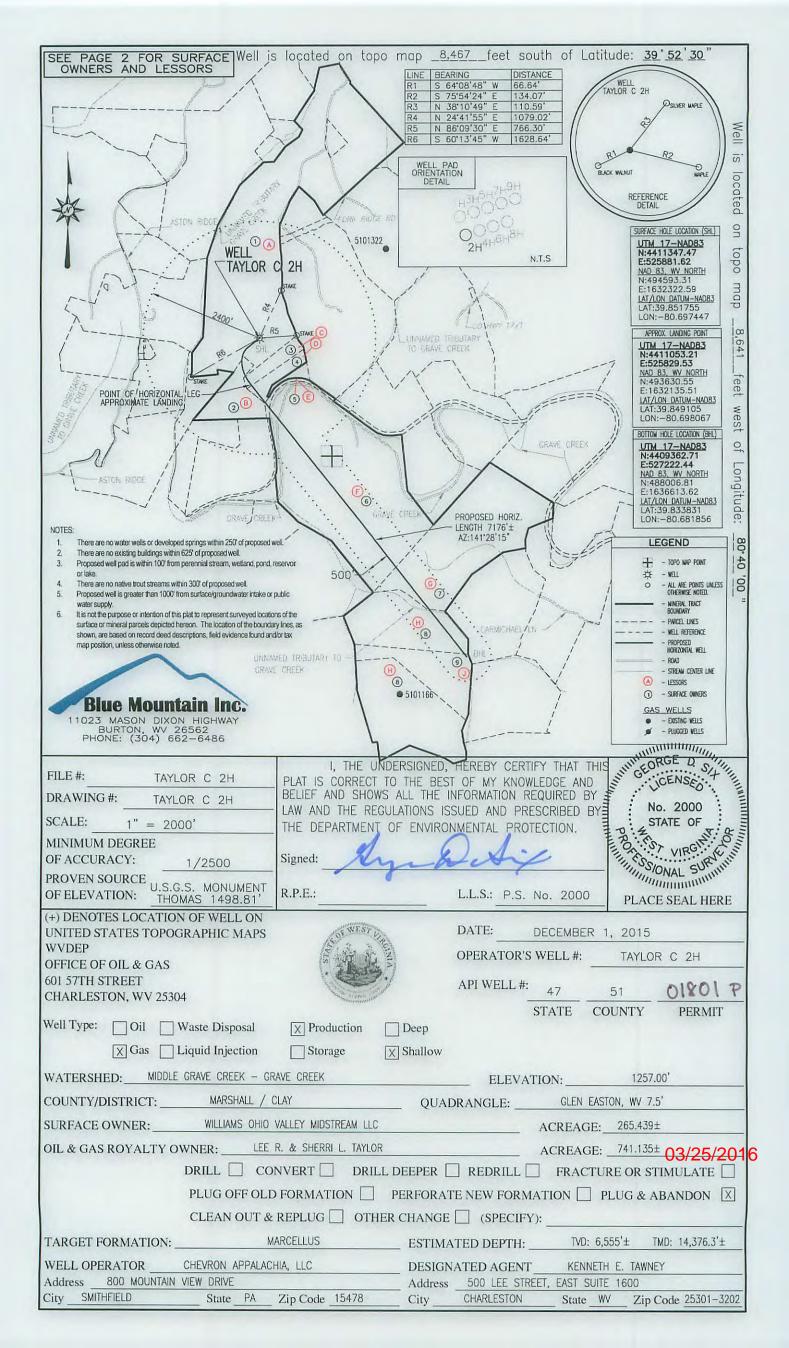
### Operator's Well No. Taylor C 2H STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

#### FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

TEODS COTTINGS	DISTORTE WILLIAM TONT GAIN
Operator Name_Chevron Appalachia, LLC	OP Code 49449935
Watershed (HUC 10) Middle Grave Creek - Grave Creek	Quadrangle Glen Easton, WV
Do you anticipate using more than 5,000 bbls of water to	Quadrangle Glen Easton, WV Complete the proposed well work? Yes No
Will a pit be used? Yes No V	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?
Proposed Disposal Method For Treated Pit Wast	cs:
Reuse (at API Number Off Site Disposal (Supply form	Permit Number
Will closed loop system be used? If so, describe: N/A	
	rizontal)? Air, freshwater, oil based, etc. NA Plugging Well
-If oil based, what type? Synthetic, petroleum, e	tc.
Additives to be used in drilling medium?	
Drill cuttings disposal method? Leave in pit, landfill, rem	noved offsite, etc. N/A
-If left in pit and plan to solidify what medium w	rill be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil West Virginia solid waste facility. The notice shall be prowhere it was properly disposed.	and Gas of any load of drill cuttings or associated waste rejected at any vided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the Wo provisions of the permit are enforceable by law. Violatic law or regulation can lead to enforcement action. I certify under penalty of law that I have perso application form and all attachments thereto and that,	and conditions of the GENERAL WATER POLLUTION PERMIT issued est Virginia Department of Environmental Protection. I understand that the ons of any term or condition of the general permit and/or other applicable conally examined and am familiar with the information submitted on this based on my inquiry of those individuals immediately responsible for its true, accurate, and complete. I am aware that there are significant ossibility of fine or imprisonment.
Company Official Signature	ococit/ED
Company Official (Typed Name) Nicholas A Stall	RECEIVED RECEIVED
Company Official Title AHERNEY IN FACI	Office of Oil and Gas
	DEC 0 8 2015
Subscribed and sworn before me this $2^{RC}$ day	of Decentiber . 20 5 COMMONWEALTH OF PENNSYLVANIA
Kristin Broon	Notary Public Smithflate Miles Public Notary Public Smithflate Miles Public Notary Pub
My commission expires Sept 2.26	of Decention 20 5 COMMONWEALTH OF PENNSYLVANIA  WV MICHTEROPRIA NOTATIVE PUBLIC NOTATIVE PUBLIC NOTATIVE PUBLIC NOTATIVE PUBLICATION  NOTATIVE PUBLIC NOTATIVE SEPT 2, 2018  WENDER, PENNSYLVANIA ASSOCIATION OF NOTATIVE  WENDER, PENNSYLVANIA ASSOCIATION OF NOTATIVE  NOTATIVE PUBLIC NOTATIVE  WENDER, PENNSYLVANIA ASSOCIATION OF NOTATIVE  NOTATIVE PUBLIC NOT
my commission capites	The state of the s

Lime Soil Test Tons/acre or to correct to pH 5.0 - 7.5  Fertilizer type 10-20-20  Fertilizer amount 1,000   lbs/acre   Mulch Straw 2   Tons/acre  Seed Mixtures  Temporary   Permanent   Seed Type   lbs/acre   Seed Type   lbs/acre   Winter Rye   170   Birdsfoot Trefoil   15  Plant   8/15 - 2/28   Weeping Lovegrass   45  Perennial Ryegrass   10  Plant 3/1 - 6/15   8/15 - 9/15  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have larged section of involved 7.5' topographic sheet.  Plan Approved by:   12/3/16  Comments:	•	Treatment: Acres Disturbed 22	.0 Prevegetation pH	5.5 - 6.3
Fertilizer amount 1,000	Lime Soil Tes	St Tons/acre or to correc	t to pld 5.0 - 7.5	
Seed Mixtures  Temporary Permanent  Seed Type   Ibs/acre   Seed Type   Ibs/acre   Winter Rye   170   Birdsfoot Trefoil   15  Plant   8/15 - 2/28   Weeping Lovegrass   45  Perennial Ryegrass   10  Plant 3/1 - 6/15   8/15 - 9/15  Attach: Prawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have rovided)  Photocopied section of involved 7.5' topographic sheet.	Fertilizer type	10-20-20	6	
Temporary Permanent  Seed Type Ibs/acre Seed Type Ibs/acre Winter Rye 170 Birdsfoot Trefoil 15  Plant 8/15 - 2/28 Weeping Lovegrass 45  Perennial Ryegrass 10  Plant 3/1 - 6/15 8/15 - 9/15  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have I rovided)  Photocopied section of involved 7.5' topographic sheet.	Fertilizer amou	nt 1,000	lbs/acre	
Temporary  Seed Type   Ibs/acre   Seed Type   Ibs/acre   Winter Rye   170   Birdsfoot Trefoil   15  Plant   8/15 - 2/28   Weeping Lovegrass   45  Perennial Ryegrass   10  Plant 3/1 - 6/15   8/15 - 9/15  Attach:  Prawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have provided)  hotocopied section of involved 7.5' topographic sheet.	Mulch Straw	2	Tons/acre	
Seed Type   lbs/acre   Seed Type   lbs/acre   Winter Rye   170   Birdsfoot Trefoil   15    Plant   8/15 - 2/28   Weeping Lovegrass   45    Perennial Ryegrass   10    Plant 3/1 - 6/15   8/15 - 9/15    Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have lorovided)  Photocopied section of involved 7.5' topographic sheet.			Seed Mixtures	
Winter Rye 170 Birdsfoot Trefoil 15  Plant 8/15 - 2/28 Weeping Lovegrass 45  Perennial Ryegrass 10  Plant 3/1 - 6/15 8/15 - 9/15  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have lorovided)  Photocopied section of involved 7.5' topographic sheet.		Temporary	Permane	nt
Plant 8/15 - 2/28  Perennial Ryegrass 10  Plant 3/1 - 6/15 8/15 - 9/15  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have lorovided)  Photocopied section of involved 7.5' topographic sheet.			• •	
Perennial Ryegrass 10  Plant 3/1 - 6/15 8/15 - 9/15  Attach:  Orawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have lorovided)  Photocopied section of involved 7.5' topographic sheet.	Winter Rye	170	Birdsfoot Trefoil	15
Plant 3/1 - 6/15 8/15 - 9/15  Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have brovided)  Photocopied section of involved 7.5' topographic sheet.	Plant	8/15 - 2/28	Weeping Lovegrass	45
Attach:  Orawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have larovided)  Photocopied section of involved 7.5' topographic sheet.			Perennial Ryegrass	10
brawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have brovided)  hotocopied section of involved 7.5' topographic sheet.  lan Approved by:			Plant 3/1 - 6/15 8/15 - 9	9/15
	orovided)		and application (unless engineered plans inclu	ding this info have h
	rovided) hotocopied section of i	nvolved 7.5' topographic sheet.	12/3/0-	T Refin de la calendario de la figura de la composición de la figura de la composición de la figura de la comp
	rovided) hotocopied section of i	nvolved 7.5' topographic sheet.	12/3/0-	TRATTOCK INCOMESSANCE OF LANGE ANGLESS
	rovided) hotocopied section of i	nvolved 7.5' topographic sheet.	12/3/0-	T Refración de accionación de Japan Vingens —
	rovided) Photocopied section of i	nvolved 7.5' topographic sheet.	12/3/0-	TRATTOCK INCOMESSANCE OF LANGE ANGLESS
DECEIV	Photocopied section of i	nvolved 7.5' topographic sheet.	12/3/0-	
RECEIV  Citle: Oil + (t=) 2 march Date: 3/3/15 Office of Oil (title) Pes ( ) No DEC 0 8	Photocopied section of i	nvolved 7.5' topographic sheet.	12/3/6	RECEIV Office of Oil





## TAYLOR C 2H PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
2	ROBERT MORRIS SULLIVAN	4-10/15
3	ROBERT MORRIS SULLIVAN	4-10/22
4	DAVID SHAWN CONNER	4-10/16
5	MURRAY ENERGY	4-10/23
6	CNX LAND RESOURCES INC.	9-2/3
7	GEORGE B. & MARY L. CROW	9-2/6
8	CNX LAND, LLC	9-2/12.1
9	HARRY J. CRAWFORD ET UX - LIFE	9-2/12

	LESSOR
Α	LEE R. & SHERRI L. TAYLOR
В	ROBERT MORRIS SULLIVAN
С	ROBERT MORRIS SULLIVAN
D	DAVID SHAWN CONNER
D E F	CONSOL
F	OKEY D. & JANINA A. BURTON
G	ROSS AVENUE MINERALS 2012, LLC
	BELMONT ROYALTY AND MINERALS 2012, LLC
Н	HARRY J. CRAWFORD ET AL
J	HARRY J. CRAWFORD ET AL

SURFACE HOLE LOCATION (SHL)

UTM 17—NADB3
N:4411347.47
E:525881.62
NAD 83, WY NORTH
N:494593.31
E:1632322.59
LAT/LON DATUM—NADB3
LAT:39.851755
LON:—80.697447

APPROX. LANDING POINT

UTM 17—NAD83
N:4411053.21
E:525829.53
NAD 83, W NORTH
N:493630.55
E:1632135.51
LAT/LON DATUM—NAD83
LAT:39.849105
LON:—80.698067

BOTTOM HOLE LOCATION (BH.L)

UTM. 17—NADB3
N:4409362.71
E:527222.44
NAD 83, W. NORTH
N:488006.81
E:1636613.62
LAT/LON DATUM—NAD83
LAT:39.833831
LON:—80.681856

03/25/2016

**DECEMBER 1, 2015** 

