



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, June 1, 2018
WELL WORK PERMIT
Horizontal 6A / New Drill

CHEVRON APPALACHIA, LLC
700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit approval for HICKS U12H
47-051-02002-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: HICKS U12H
Farm Name: THOMAS E. HICKS
U.S. WELL NUMBER: 47-051-02002-00-00
Horizontal 6A New Drill
Date Issued: 6/1/2018

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.



west virginia department of environmental protection

Oil and Gas Conservation Commission
601 57th Street SE, Charleston, WV 25304
304-926-0499 Ext 1274

Barry K. Lay, Chairman
dep.wv.gov

May 1, 2018

Department of Environmental Protection
Office of Oil and Gas
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-051-02002

COMPANY: Chevron Appalachia, LLC

FARM: Chevron Appalachia, LLC Hicks U12H

COUNTY: Marshall DISTRICT: Clay QUAD: Glen Easton

The deep well review of the application for the above company is Approved to drill to Point Pleasant for completion.

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Comments to Notice of Deviation filed? No.
2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners? Yes
3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells: CONNER 6H; 47-051-02001
4. Provided a plat showing that the proposed location is a distance of 400+ feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

A handwritten signature in blue ink that reads "Susan Rose".

Susan Rose
Administrator

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Chevron Appalachia, LLC 49449935 Marshall Clay Glen Easton 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: U12H Well Pad Name: Hicks

3) Farm Name/Surface Owner: Thomas E Hicks Public Road Access: Fork Ridge Rd/WV-17

4) Elevation, current ground: 1140' ~~1161.57~~ Elevation, proposed post-construction: 1140

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

JW
12/16/17

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
point Pleasant, 11,300, 120' thick, 0.89 psi/ft

8) Proposed Total Vertical Depth: 11,300

9) Formation at Total Vertical Depth: Point Pleasant

10) Proposed Total Measured Depth: 23,833

11) Proposed Horizontal Leg Length: 11,720

12) Approximate Fresh Water Strata Depths: 430'

13) Method to Determine Fresh Water Depths: 1' mile radius search around pad location

14) Approximate Saltwater Depths: 1147', 1751', 2112'

15) Approximate Coal Seam Depths: 398', 678'

16) Approximate Depth to Possible Void (coal mine, karst, other): None

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____

Depth: _____

Seam: _____

Owner: _____

RECEIVED
Office of Oil and Gas
JAN 5 2018
WV Department of
Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30	New	X-42		60	60	CTS
Fresh Water	20	New	J-55	94	500	500	CTS
XXX Inter. 1	13-3/8	New	N-80Q	68	2,010	2,010	CTS
Intermediate 2	9-5/8	New	P-110-ICY	40	8,570	8,570	CTS
Production	5-1/2	New	P110-EC	23	23,833	23,833	CTS
Tubing							
Liners							

John
12/6/17

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30	36					
Fresh Water	20	26	.5	2,110	1911	Class A	1.2
XXX Inter. 1	13-3/8	17-1/2	.480	5,020	2768	Class A	1.29
Intermediate 2	9-5/8	12-1/4 & 12-3/8	.395	8,980	2768	Class A,G or H	1.27-1.45
Production	5-1/2	8-3/4 & 8-1/2	.415	16,510	9975	Class A,G or H	1.28-1.65
Tubing							
Liners							

PACKERS NA

Kind:				
Sizes:				
Depths Set:				

RECEIVED
Office of Oil and Gas
JAN 5 2018
WV Department of
Environmental Protection

06/01/2018

PH
12/6/17

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill vertical depth to the Point Pleasant at an estimated total vertical depth of approximately 11,300 feet. Drill horizontal leg.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Slickwater completion with 200' stage length, 500,000 lbs/ft proppant, 400,000 gal of fresh water, pumped at 100 bpm and 11,500 max pressure.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 27.4

22) Area to be disturbed for well pad only, less access road (acres): 19.7

23) Describe centralizer placement for each casing string:

Surface: (1) on shoe track w/stop collar & collar & (1) per every 2 jt over coupling to surface; Intermediate #1 on shoe track w/stop collar & (1) per every 2 jts over coupling; Intermediate #2 (1) on shoe track w/stop collar & (1) per every 2 jts over coupling; Production String: (1) centralizer every jt in the lateral and curve & (1) every other joint from KOP to surface.

24) Describe all cement additives associated with each cement type:

For the Water String the blend will contain Class A cement, 3% CaC12, and flake. The Intermediate 1 will contain Class A cement, 3% CaC12, Salt, and flake. The Intermediate 2 will contain Class A, G or H cement, 3% CaC12, Salt and flake. The Production cement will have a lead and tail cement. The Lead will contain Class A, G or H cement, KCl dispersant, suspension agent, and retarder. The Tail will contain Class A, G or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent and friction reducer.

25) Proposed borehole conditioning procedures:

Air sections ensured to be clean via air circulation once TD is reached. Fluid sections will be circulated a minimum of 2 bottoms up once casing point has been reached and until uniform mud properties are achieved.

*Note: Attach additional sheets as needed.

51-02002

Hicks Utica – Cement Additives

Attachment WW-6B

For the Water String the blend will contain Class A cement, 3% CaCl₂, and flake.

The intermediate 1 will contain Class A cement, 3% CaCl₂, salt and flake.

The intermediate 2 will contain Class A, G, or H cement, 3% CaCl₂, salt and flake.

The Production cement will have a lead and tail cement.

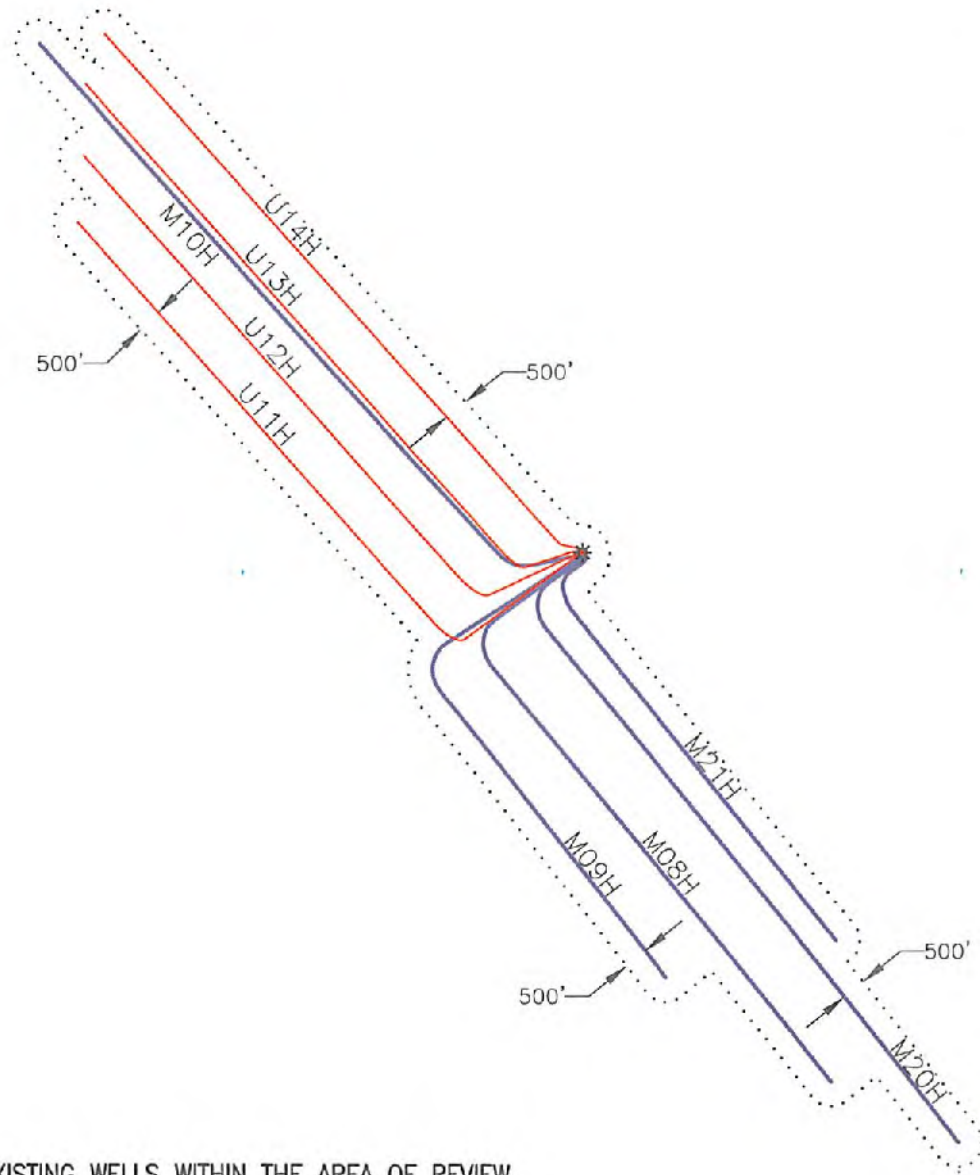
The lead will contain Class A, G, or H cement, KCl, dispersant, suspension agent, and retarder.

The tail will contain Class A, G, or H cement, Calcium Carbonate, KCl, dispersant, de-foamer, suspension agent, and friction reducer.

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection
06/01/2018



NOTE: NO EXISTING WELLS WITHIN THE AREA OF REVIEW.





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

PREPARED FOR:

CHEVRON APPALACHIA, LLC
 700 CHERRINGTON PARKWAY
 CORAOPOLIS, PA 15108

LEGEND

-  - WELL LOCATION
-  - ACTIVE WELL

**HICKS BATCH 2
 AREA OF REVIEW MAP
 MARSHALL COUNTY
 CLAY DISTRICT
 WEST VIRGINIA**

TOPO QUAD: GLEN EASTON, WV

SCALE: 1" = 4000'

DATE: OCTOBER 2, 2017

RECEIVED
 Environmental Gas
 WV Department of
 Environmental Protection
 5 2018
 06/01/2018

Hicks U12H



Permit#		MARSHALL COUNTY, WV		12/11/2017 8:30		Ground Level Elev. (ft above SL):		1138									
DRILLING FLUID / BIT TYPE / TFA		CENTRALIZER PROGRAM		CASING SIZE / FORMATION		DEPTH		WELLHEAD DESIGN		HOLE SIZE		HOLE DEPTH		CASING SPECS		CEMENT PROGRAM	
						MD (FT)	TVD (FT)	FMC UH-S 13 5/8" (One-Piece) 10K		INCH	MM	FEET	FEET				
Core Barrel / Auger				30" Conductor		-60	-					36		Conductor Minimum 40 ft from GL or at least 10 ft into bedrock		Grout to Surface	
		Bow Spring: (1) on shoe fit w/ locking & (1) on every 2 fts		20" Casing		-500	-					26		Surface Casing 20" 94# J-55 BTC 0.5" Wall Coupling OD (in) 21.000 ID (in) 19.124 Drift ID (in) 18.937 Burst (psi) 2110 Collapse (psi) 520 Yield (Jt Strength 1,000 lbs) 1402 Capacity (bbl/ft) 0.3553		Cement to Surface	
		Bow Spring: (1) on shoe fit w/ locking & (1) on every 2 fts		13-3/8" Casing		-2,010	-					17.50		Intermediate #1 String 13-3/8" 88# N-800 BTC 0.480" Wall Coupling OD (in) 14.375 ID (in) 12.415 Drift ID (in) 12.259 Burst (psi) 5020 Collapse (psi) 2260 Yield (Jt Strength 1,000 lbs) 1556 Capacity (bbl/ft) 0.1497 OH Annulus (bbl/ft) 0.1237		Cement to Surface	
		Bow Spring: (1) on shoe fit w/ locking & (1) on every 2 fts		9-5/8" Casing		-8,570	-					12.25	to 12.375	Intermediate #2 Casing 9-5/8" 40# P110-1GY BTC 0.395" Wall Coupling OD (in) 10.625 ID (in) 8.835 Drift ID (in) 8.679 Burst (psi) 8980 Collapse (psi) 4050 Yield (Jt Strength 1,000 lbs) 1432 Capacity (bbl/ft) 0.0758 OH Annulus (bbl/ft) 0.0558		Cement to Surface	
		Bow Spring: (1) on shoe fit w/ locking & KOP to surface		5-1/2" Casing		-12,150	-11,300					8.500	to 8.75	Production Casing 5-1/2" 23# P-110EC, VAM 21 HIT 0.415" Wall Coupling OD (in) 5.195 ID (in) 4.670 Drift ID (in) 4.545 Burst (psi) 16510 Collapse (psi) 16220 Yield (Jt Strength 1,000 lbs) 829 Capacity (bbl/ft) 0.0212 OH Annulus (bbl/ft) 0.0408		Cement to Surface	
		Solid Body: 1 per ft of csg from TD to KOP		Estimated KOP		-11,200	-							Set 100' into Rochester Shale			
		Marker Joint above KOP		Landing Point		-12,150	-11,300							12/12/17			
		Latch Collar 2 Jts of Csg Float Equip.		5-1/2" Casing		-23,742	-11,300							RECEIVED Office of Oil and Gas JAN 5 2018 WV Department of Environmental Protection			

06/01/2018

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Chevron Appalachia, LLC OP Code 49449935

Watershed (HUC 10) Middle Grave Creek-Grave Creek Quadrangle Glen Easton, WV 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

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 Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____ at next anticipated well _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, we will be utilizing multiple open/closed top tanks.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air _____ to KOP, SBM from KOP to TMD

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Barite, fluid loss, emulsifiers, rheological control

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed offsite

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? Arden Landfill #100172; South Hills Landfill #100592; Short Creek Landfill #VW0109517

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Jenny Hayes
Company Official (Typed Name) Jenny Hayes
Company Official Title Permitting Team Lead

RECEIVED
Office of Oil and Gas

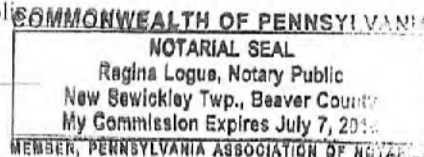
JAN 5 2018

WV Department of
Environmental Protection

Subscribed and sworn before me this 27th day of Nov., 20 17

Ragina Logue Notary Public

My commission expires July 7, 2018



Chevron Appalachia, LLC

Proposed Revegetation Treatment: Acres Disturbed +/-4 acres Prevegetation pH Per soils testing report

Lime 3 Tons/acre or to correct to pH unless otherwise noted in soils report

Fertilizer type 10-20-20

Fertilizer amount 300 lbs/acre

Mulch 3 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	50	Non Aricultural Upland and Hayfield, Pastureland and Cropland	
Winter Wheat	75	Tall Fescue 100, Orchard Grass 80, Perennial Ryegrass 33,	
		Timothy 80, Ladino Clover 18, Birdsfoot-Trefoil 20,	
		Birdsfoot-Trefoil 18, Ladino Clover 20, Red Top 6	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Jim Wilson*

Comments: _____

Title: Oil & Gas Inspector Date: 12/6/17

Field Reviewed? Yes No



Chevron

**Appalachian LLC
WV Well Site Safety Plan**

Pad: Hicks Pad A

Well # U12H

*Jan
12/12/17*

**271 Arbor Lane
Moundsville, WV 26041
Clay District
Marshall County, WV**

Access Point – [39.872100°N, 80.711825°W]

Well Site – [39.871558°N, 80.717794°W]

Marshall County, West Virginia

RECEIVED
Office of Oil and Gas
JAN 5 2018
WV Department of
Environmental Protection

BHL is located on topo map 8,266 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 1,171 feet south of Latitude: 39° 52' 30"

SEE PAGES 3-8 FOR SURFACE OWNERS AND LESSORS



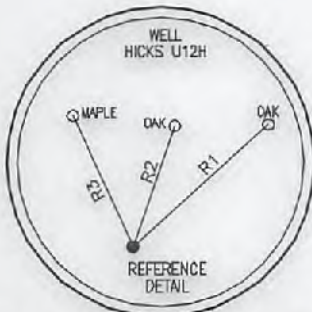
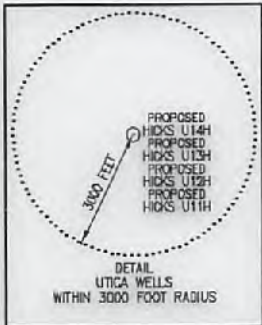
SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL



BHL is located on topo map 1,594 feet west of Longitude: 80° 45' 00"
 SHL is located on topo map 2,761 feet west of Longitude: 80° 42' 30"



LINE	BEARING	DISTANCE
R1	N 48°11'24" E	151.87'
R2	N 19°20'48" E	106.24'
R3	N 24°30'27" W	120.06'
R4	N 14°53'33" W	1304.52'
R5	N 37°38'21" E	1068.35'
R6	S 44°14'42" E	2053.16'



UNIT ACREAGE - 348.561 ACRES

LEGEND

- ⊕ - TOPO MAP POINT
- ⊙ - WELL
- ⊙ - ALL ARC POINTS UNLESS OTHERWISE NOTED
- - MINERAL TRACT BOUNDARY
- - - - - PARCEL LINES
- - - - - UNIT BOUNDARY
- - - - - WELL REFERENCE
- - - - - PROPOSED HORIZONTAL WELL
- - - - - ROAD
- - - - - STREAM CENTER LINE
- ⊙ - SURFACE OWNERS
- GAS WELLS**
- - EXISTING WELLS
- ⊙ - PLUGGED WELLS

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT
UTM 17-NAD83(M) N:4413564.819 E:524101.886	UTM 17-NAD83(M) N:4413387.31 E:523307.80
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472
BOTTOM HOLE LOCATION (BHL)	
UTM 17-NAD83(M) N:4416018.13 E:520887.34	
NAD83, WV NORTH N:510194.000 E:1616190.000	

NOTES:

1. There are no waterwells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wellhead, pond, reservoir or lake.
3. There are no natural local streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface ground water intake or public water supply.
5. It is not the purpose or intention of this plat to represent any actual locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on recorded descriptions, field evidence found and/or far map position, unless otherwise noted.
6. There are no existing buildings within 625' of proposed well.

Blue Mountain Inc.
 11023 MASON DIXON HIGHWAY
 BURTON, WV 26582
 PHONE: (304) 662-6486

FILE #: HICKS U12H
 DRAWING #: HICKS U12H
 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 WYDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: APRIL 24, 2018
 OPERATOR'S WELL #: HICKS U12H
 API WELL #: 47 51 02002 Rev H6A
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1161.57'

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

SURFACE OWNER: THOMAS E. HICKS ACREAGE: 172.100±

OIL & GAS ROYALTY OWNER: CHRISTA DAWN HICKS ET AL. ACREAGE: 1227.853± **06/01/2018**

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: POINT PLEASANT ESTIMATED DEPTH: TVD: 11,300'± TMD: 23,832.64'±

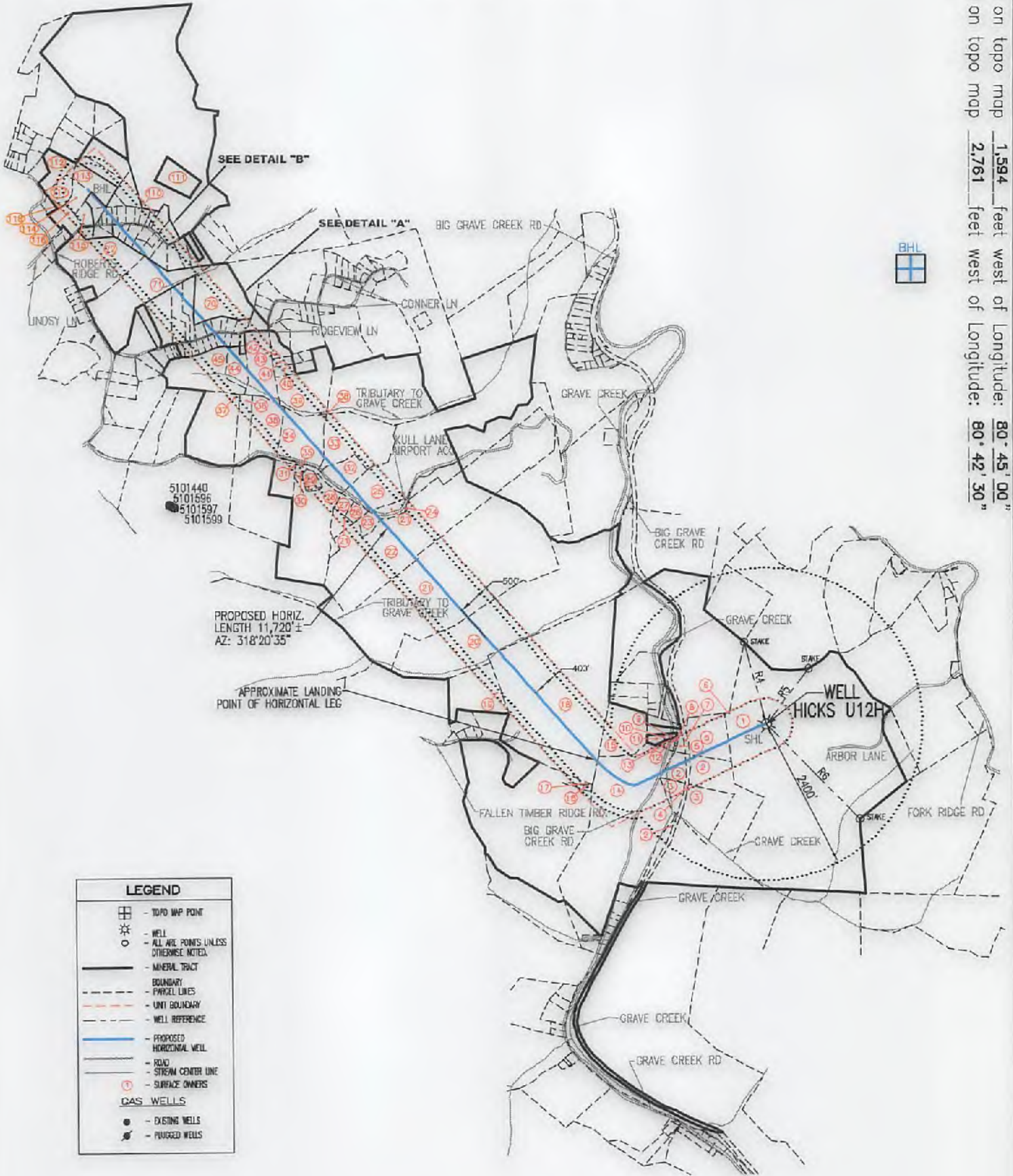
WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT: KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CDRAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

BHL is located on topo map 8,266 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 1,171 feet south of Latitude: 39° 52' 30"



HICKS U12H PAGE 2 OF 8

BHL is located on topo map 1,594 feet west of Longitude: 80° 45' 00"
 SHL is located on topo map 2,761 feet west of Longitude: 80° 42' 30"



LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL WELLS UNLESS OTHERWISE NOTED
	- MINERAL TRACT BOUNDARY
	- PARCEL LINES
	- UNIT BOUNDARY
	- WELL REFERENCE
	- PROPOSED HORIZONTAL WELL
	- ROAD
	- STREAM CENTER LINE
	- SURFACE OWNERS
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS

UNIT ACREAGE - 348.561 ACRES

06/01/2018
51-02002H6A

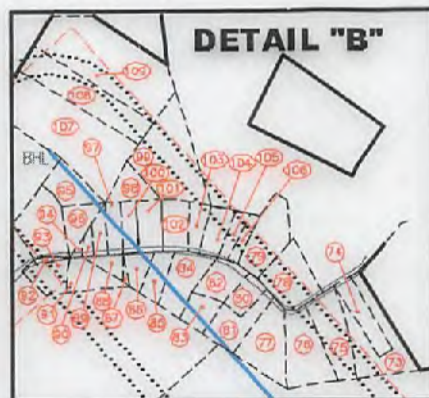
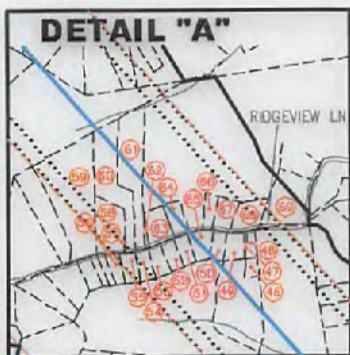
SURFACE HOLE LOCATION (SHL)	APPRX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4418018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS U12H PAGE 3 OF 8



UNIT ACREAGE - 348.561 ACRES



51-02002H6A

LEGEND	
	- UNIT BOUNDARY
	- PARCEL LINES

06/01/2018

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413584.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4416018.13 E:520887.34
NAD83, WV NORTH N:501987.139 E:1626804.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS

U12H

PAGE 4 OF 8

	SURFACE OWNER	OIL & GAS OWNER	DIST-TM/PAR
1	THOMAS E. HICKS	CHRISTA DAWN HICKS ET AL	4-8/37
2	LILLIE LAVERN GAREY	LILLIE LAVERN GAREY	4-8/36
3	SIDNEY P. POND ET UX	SIDNEY P. POND ET UX	4-8/36.2
4	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT.	CNX GAS COMPANY LLC	4-12/25
5	VICKIE L. & SIDNEY P. POND	SIDNEY P. POND ET UX	4-8/36.1
6	RONALD ELWOOD STERN ET UX	CHESAPEAKE APPALACHIA, L.L.C.	4-8/35
7	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT.	CNX GAS COMPANY LLC	4-8/39
8	KENNETH B. TAGG	KENNETH B. TAGG ET UX	4-8/27
9	SIDNEY P. & VICKIE L. POND	SIDNEY P. & VICKIE L. POND-NOT IN UNIT	4-8/26
10	RALPH & SARA L. CLAYTON	RALPH L. CLAYTON ET UX-NOT IN UNIT	4-8/26.2
11	RALPH L. CLAYTON ET UX	RALPH L. CLAYTON ET UX	4-8/26.1
12	SIDNEY P. & VICKIE L. POND	SIDNEY P. & VICKIE L. POND	4-8/25.1
13	RALPH L. CLAYTON ET UX	RALPH L. CLAYTON ET UX	4-8/25
14	MABEL JUANITA WILLIAMS	MABEL J. WILLIAMS	4-8/23
15	MABEL JUANITA WILLIAMS	MABEL J. WILLIAMS	4-8/23.4
16	HENRY W. & LINDA M. ASTON	HENRY ASTON ET UX	4-8/19
17	BONAR FAMILY IRREVOCABLE TR	BONAR FAMILY IREV TRST DTD 2/12/2009	4-8/18
18	HENRY W. & LINDA M. ASTON-LIFE	HENRY ASTON ET UX	4-8/17
		LEO GAMBLE	
		BILLIE D. BRENNAN	
		BARBARA RIGGLE	
		NOREEN G. MILLER ET VIR	
		ANNE LONG HAND ET VIR	
		JOHN M. GAMBLE	
		MARGARET M. VERRALL	
		LARRY MCCULLOUGH	
		MARK CARTER GAMBLE	
		CHARLES PAUL GAMBLE ET UX	
		CLARICE BURT	
		DONALD CARMICHAEL	
		JANE ANN DAY	
		PEGGY FILLMORE	
		BILLIE JO GARNER	
		ARDITH HOLMES	
		ELEANOR HOLMES	
		GENE LAWSON HOLMES	
		JANICE A. HOLMES	
		MARY HOLMES	
		MITCHELL R. HOLMES	
		RONALD LEMOYNE HOLMES	
		TIM HOLMES	
		VIRGINIA HOLMES	
		MYRNA LOUANN HOLSTINE	
		LYLA LORRAINE HUBBS	
		BONNIE LIBRIZZI	
		MARY LOUISE LIPSKY	
		KAREN V. MAAS	
		VERA MARIE MIDCAP	
		MAVARENE L. REDD	
		EULA RICHARDS BY AIF CAROLYN THOMPSON	
		HELEN M. RINE	
		MARILYN LAVONDA RULONG	
		VIOLET P. STANDIFORD	
		CHRISTINE A. CIOCCIA	
		SHIRLEY DULANEY	
		WILLIAM EARNEST	
		JANE ANN GAMBLE	
		JULIA GAMBLE BY AIF MARY JO DOMEROWSKI	
		HOWARD MCCARDLE	
		JOAN MILLIKEN	
		SHERWIN LEE RUCKMAN	
		BOBBI JO STARK	
		BELINDA S. WEST	
		MARY ELLEN WHIPKEY	
		ROBIN WILLIAMS	
		LLOYD ELWOOD HOLMES	
19	CAROL ANN JORDAN	CAROL JORDAN	4-8/15
20	CHARLES W. JR. & JUDY MERCER	SANDRA KAY WARNER	4-8/16
		PATSY SUE BAYHA	
		HALIE LU PETERSON	
		LUCRETIA LEE	
		DELLA K. BODNE	
		DENNIS PARSONS	
		DR. CASPER E. CLINE	
		CHARLOTTE L. STROMSLAND	
		JOHN L. FOX	
		KAREN M. FOX	
		CHRISTI F. PRESTON	
		JOHN L. FOX II	
		CYNTHIA S. HAMILTON	

06/01/2018

51-02002 H6A

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4418018.13 E:520887.34
NAD83, WV NORTH N:501987.139 E:1628604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS

U12H

PAGE 5 OF 8

	SURFACE OWNER	OIL & GAS OWNER	DIST-TM/PAR
21	MARY E. PERSINGER & JANET C. HUNNELL ET AL	JOHN L. FOX KAREN M. FOX CHRISTI F. PRESTON JOHN L. FOX II CYNTHIA S. HAMILTON DOROTHY A. ARGENTA PAUL T. ARGENTA MARY E. PERSINGER JANET C. HUNNELL MICHAEL PERSINGER BETH BLAKE KAREN FOX EVANS WILLIAM B. FOX LINDA SMITH ANN MILLER	4-5/54.1
22	MARSHALL CO AIRPORT AUTHORITY	JOHN LEONARD FOX KAREN M. FOX CHRISTI F. PRESTON JOHN L. FOX II CYNTHIA S. HAMILTON DOROTHY A. ARGENTA JOAN E. KRESS WILLIAM P. ARGENTA PAUL T. ARGENTA MARY E. PERSINGER JANET C. HUNNELL MICHAEL PERSINGER BETH BLAKE KAREN FOX EVANS BRAD FOX LINDA SMITH ANN MILLER WILLIAM B. FOX	4-5/54.3
23	MARSHALL CO. AIRPORT AUTHORITY	MARSHALL COUNTY AIRPORT AUTHORITY	4-5/54.2
24	LENEE J. & SHARON L. CURITTI	LENEE CURITTI ET UX	4-5/54.6
25	LENEE J. CURITTI ET UX	JOHN L. FOX KAREN M. FOX CHRISTI F. PRESTON JOHN L. FOX II CYNTHIA S. HAMILTON DOROTHY A. ARGENTA MARY E. PERSINGER KAREN FOX EVANS BRAD FOX LINDA SMITH ANN MACHELE MILLER JANET C. HUNNELL MICHAEL PERSINGER BETH BLAKE WILLIAM P. ARGENTA PAUL T. ARGENTA JOAN E. KRESS	4-5/54.5
26	BRADLEY C. RINE	BRADLEY C. RINE	4-5/54
27	LENEE J. CURITTI ET UX	BRADLEY C. RINE	4-5/54.4
28	BRADLEY C. RINE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/52
29	BRENDA FAYE RINE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/52.1

51-0200216A
06/01/2018

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4418018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS

U12H

PAGE 6 OF 8

	SURFACE OWNER	OIL & GAS OWNER	DIST-TM/PAR
30	BRENDA FAYE RINE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/52.2
31	GREGORY E. AND SUELYNN E. HOWE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/51.1
32	BRADLEY C. RINE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/53
33	BRADLEY C. RINE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/50.5
34	TRACIE L. NELSON	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/50.6
35	GEOFFREY ERIC HOWE	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/50
36	ROBERT P. CARNAHAN ET UX	LINDSEY E. RACKLEY ERIC HATHAWAY ET UX ERINE HATHAWAY NANCY D. RACKLEY ET VIR KIMBERLY HATHAWAY GOBLE ET VIR GARY LEE HATHAWAY ET UX JUDITH KULL TRST DTD 7/31/1985 ELIZABETH G. KULL REV TRST DTD 10/21/1997 DOROTHY SEDOSKY GENE DAKAN ET UX DOLLYE GUZEK ET VIR	4-5/50.4

06/01/2018

51-02002 H6A

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4416018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1628604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

HICKS

U12H

PAGE 7 OF 8

	SURFACE OWNER	OIL & GAS OWNER	DIST-TM/PAR
37	SARAH J. KNABENSHUE ET AL	HOWARD E. CONNER ET AL	4-5/56
38	JAMES L. & KATHY L. DRAKE	JAMES L. DRAKE ET UX	4-5/46.2
39	ROGER W. GATTS ET UX	ROGER W. GATTS ET UX	4-5/50.2
40	TEDDY H. PARSONS ET UX	TEDDY PARSONS ET UX	4-5/49.3
41	TEDDY H. PARSONS ET UX	TEDDY PARSONS ET UX	4-5/49
42	ROBERT L. & JANIS R. MALSON	ROBERT MALSON ET UX	4-5/48
43	ELDWINE O. & MARY L. RINE	GLEN RICHARD WELLS	4-5/50.3
		MARY LOU CAMPBELL ET VIR	
		KELLER DUDLEY WELLS	
		JOHN WESLEY WELLS ET UX	
		PHILLIP E. MINOR	
		DAVID MICHAEL MINOR	
		MILLARD MINOR ET UX	
		KATHERINE CHAPPELL ET VIR	
		DENIS J. MINOR	
		CHRISTOPHER MINOR	
		TIMOTHY MINOR	
		SCOTT MINOR	
		MARK MINOR	
		JOHN MINOR	
		GERALD MINOR ET UX	
		EDWARD MINOR	
		JAMES W. PURTIMAN ET UX	
		CAROLE SCHMIDLIN ET VIR	
		NANCY PURTIMAN	
		ELIZABETH STAVISCHECK	
		ELAINE MINOR	
		LESLIE RINGON	
		JOHN F. KREUTZER JR., ET UX	
		DENISE KREUTZER	
		MARY LOU CAMPBELL ET VIR	
		JORDAN CHRISTOPHER MINOR	
44	ROBERT D. BLAKE	ROBERT BLAKE ET UX	4-5/57.2
45	SETH C. WEEKLY	SETH C. WEEKLY ET UX	4-5/57.1
46	RONALD D. MASON ET UX	RONALD MASON ET UX	4-5/57.3
47	UNKNOWN	CRYSTAL L. THOMAS	4-5B/9999.2
		DAUNETTA FROMHART	
		IVAN R. BLAKE	
		ROBERT D. BLAKE	
		JUDITH L. MCINTYRE	
		REBECCA D. GERAUD	
		BARBARA A. MASON	
		TAMALA J. SCOLLICK	
48	RONALD D. MASON ET UX	RONALD MASON ET UX	4-5B/12
49	RONALD DINSMORE MASON ET UX	RONALD MASON ET UX	4-5B/11
50	RONALD DINSMORE & BARBARA ANN MASON	RONALD MASON ET UX	4-5B/10
51	SETH C. WEEKLY	SETH C. WEEKLY ET UX	4-5B/8
52	SETH C. WEEKLY	SETH C. WEEKLY ET UX	4-5B/7
53	DAVID S. BROWN SR.	DAVID S. BROWN ET UX	4-5B/6
54	CHRISTOPHER & ERIN M. CUFFARO	CHRISTOPHER CUFFARO ET UX	4-5B/5
55	MICHAEL SHANE & SYBIL DAWN OTT	MICHAEL S. OTT ET UX	4-5B/4
56	WANDA BLAKE - LIFE	GAREN BLAKE ET UX	4-5B/3
57	ROD L. & RENEE M. MCKEEBE	ROD L. MCKEEBE ET UX	4-5/27.1
58	FREDA L. & VICKI L. CAMPBELL	FREDA CAMPBELL ET AL	4-5/27
59	JAMES H. ALLEN-LIFE	JAMES ALLEN ET UX	4-5/26
60	ROD L. & RENEE M. MCKEEBE	ROD L. MCKEEBE ET UX	4-5/28
61	TIMOTHY L. MCGINNIS JR.	TIMOTHY L. MCGINNIS JR.	4-5/29
62	TIMOTHY L. MCGINNIS JR.	TIMOTHY L. MCGINNIS JR.	4-5/28.1
63	NOREEN S. HEDRICK	JERRY HEDRICK ET UX	4-5/30.3
64	PHILIP E. FAHNESTOCK ET UX	BARBARA LEE FAHNESTOCK	4-5/30.4
65	RONALD DINSMORE & BARBARA ANN MASON	RONALD MASON ET UX	4-5B/9
66	MARY LEE ROGERS	MARY LEE ROGERS	4-5/30.5
67	JACK W. HOWE ET AL	JACK W. HOWE ET UX	4-5/30.2
68	KEVIN E. GROSE ET UX	KEVIN GROSE ET UX	4-5/30.1
69	JANET L. TASKER	GLEN RICHARD WELLS	4-5/31
		MARY LOU CAMPBELL ET VIR	
		KELLER DUDLEY WELLS	
		JOHN WESLEY WELLS ET UX	
		PHILLIP E. MINOR	
		DAVID MICHAEL MINOR	
		MILLARD MINOR ET UX	
		KATHERINE CHAPPELL ET VIR	
		DENIS J. MINOR	
		CHRISTOPHER MINOR	
		TIMOTHY MINOR	
		SCOTT MINOR	
		MARK MINOR	
		JOHN MINOR	
		GERALD MINOR ET UX	
		EDWARD MINOR	

06/01/2018

51-0200246A

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.886	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4418018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1626804.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS

U12H

PAGE 8 OF 8

	SURFACE OWNER	OIL & GAS OWNER	DIST-TM/PAR
69	CONTINUED	JAMES W. PURTIMAN ET UX CAROLE SCHMIDLIN ET VIR NANCY PURTIMAN ELIZABETH STAVISCHECK ELAINE MINOR LESLIE RINCON JOHN F. KREUTZER JR., ET UX DENISE KREUTZER MARY LOU CAMPBELL ET VIR JORDAN CHRISTOPHER MINOR	
70	JEREMY S. AKINS	TOBI JO FAHNESTOCK MICHAEL JASON FAHNESTOCK JOHN ROGER FAHNESTOCK DONALD LEROY FAHNESTOCK ALISHA JO KENDRICK BOBBI JO STRICKLAND	4-5/30
71	LOREN F. CECIL ET UX - LIFE	LOREN CECIL ET AL	4-5/24
72	LOREN F. CECIL ET UX - LIFE	LOREN CECIL ET AL	4-5/21
73	DAVID S. & LEAH J. ALLMAN	JERRY ALLMAN ET UX	4-2/52.9
74	DAVID S. & LEAH J. ALLMAN	JERRY ALLMAN ET UX-NOT IN UNIT	4-2/52.3
75	DAVID S. & LEAH J. ALLMAN	JERRY ALLMAN ET UX	4-2/52.11
76	DAVID L. & CYNTHIA L. MYERS	DAVID MYERS ET UX	4-2/52.10
77	DANNY & TRUDY B. SAMPSON	DANNY SAMPSON ET UX	4-2/52.12
78	ALAN L. HOWARD ET UX	ALAN HOWARD ET UX	4-2/52.4
79	ERIC C. & JENNIFER L. MILLER	ERIC MILLER ET UX	4-2/52.17
80	ODONNELL FAMILY TRUST	O'DONNELL FAMILY TRUST DATED MAY 21ST, 2014	4-2/52.1
81	ODONNELL FAMILY TRUST	O'DONNELL FAMILY TRUST DATED MAY 21ST, 2014	4-2/52.7
82	MICHAEL L. O'DONNELL ET UX	MICHAEL L. O'DONNELL ET UX	4-2/52.2
83	MICHAEL L. O'DONNELL ET UX	MICHAEL L. O'DONNELL ET AL	4-2/52.6
84	MICHAEL L. O'DONNELL ET UX	MICHAEL L. O'DONNELL ET AL	4-2/52.5
85	FAYE MOFFITT	FAYE MOFFITT	4-5/23.3
86	FAYE MOFFITT	FAYE MOFFITT	4-5/23
87	DONALD R. MOFFITT ET UX	DONALD R. MOFFITT ET UX	4-5/23.2
88	DONALD R. MOFFITT ET UX	DONALD R. MOFFITT ET UX	4-5/23.1
89	MICHAEL B. & LORI A. JONES	MICHAEL B. JONES ET UX	4-2A/8
90	MICHAEL B. & LORI A. JONES	MICHAEL B. JONES ET UX	4-2A/9
91	MARY BETH CHAPLIN	ALBERT DONALD KIMBLE, ET UX	4-5/22
92	LARRY N. WADE ET UX	LARRY WADE ET UX	4-2/29.5
93	DENIS J. MINOR ET UX	DENIS MINOR ET UX	4-5/21.1
94	JERAME A. SCHWING	LAWRENCE E. YOHO ET UX	4-2A/9.1
95	JERAME A. SCHWING	LAWRENCE YOHO ET UX	4-2/29.3
96	JERAME A. SCHWING	BETTY RUTH BOSO ALBERT ELMER CAIN BRENDA E. WADE DIANA DELDRES NOVEL CECELIA C. CECIL CHARLES H. HALL CATHEY L. ATAMANIUK	4-2/29.1
97	RANDY P. HEWITT	RANDY P. HEWITT	4-2A/7
98	ROGER LEROY UHL ET UX	ROGER L. UHL ET UX	4-2A/12
99	JEANIE HELLER	FRANKLIN HELLER	4-2/52.8
100	MATTHEW LOUIS MILLER ET UX	MATTHEW L. MILLER ET UX	4-2A/6
101	ROGER LEROY UHL ET UX	ROGER L. UHL ET UX	4-2A/5
102	JEANIE HELLER	JEANIE HELLER	4-2A/4
103	JEANIE HELLER	JEANIE HELLER	4-2A/3
104	RONALD L. LANCH ET UX - LIFE	RONALD LANCH ET AL	4-2A/2
105	RONALD L. LANCH ET UX - LIFE	RONALD LANCH ET AL	4-2A/1
106	RONNIE D. HOWE	RONNIE HOWE ET UX	4-2A/10
107	JOHN DAVID II & STEPHANIE A. BROWN	KURT TURNER ET UX	4-2/29.19
108	SHANE R. & JOY A. VAN SCYOC	SHANE R. VAN SCYOC ET UX	4-2/29.17
109	SHANE R. & JOY A. VAN SCYOC	SHANE R. VAN SCYOC ET UX	4-2/29.21
110	GREGORY K. WOOD	GREGORY K. WOOD ET UX	4-2/52
111	GREGORY K. & BONNIE J. WOOD	GREGORY K. WOOD ET UX	4-2/52.19
112	STEVE TERRY	RAYLYN DEVELOPMENT INC.	4-2/29
113	RANDALL S. & CRYSTAL L. MOWDER	RANDALL S. MOWDER ET UX	4-2/29.12
114	ROGER M. LONG & CHERI L. WILSON	ROGER M. LONG ET UX	4-2/29.11
115	LARRY WADE ET UX	LARRY WADE ET UX	4-2/29.7
116	JOSEPH E. MASTERS	JOSEPH E. MASTERS	4-2/29.13
117	STEVEN D. TERRY	STEVEN DONALD TERRY	4-2/29.10
118	KENNETH RICE ET UX	JOSEPH E. MASTERS	4-2/29.6

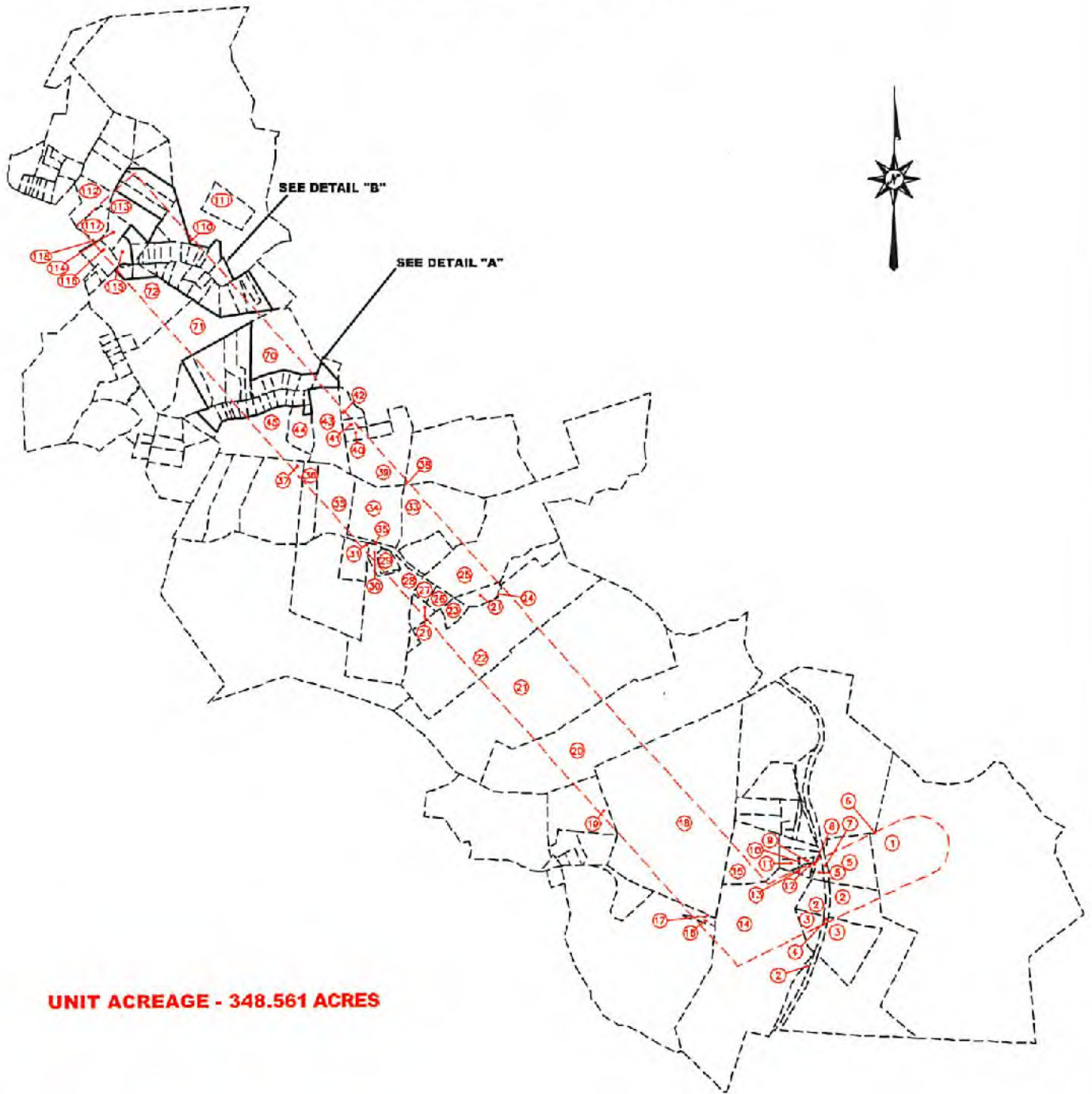
51-02002 H6A

06/01/2018

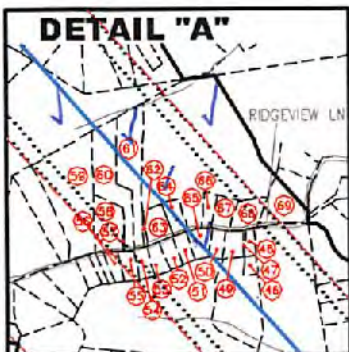
SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.886	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4418018.13 E:520867.34
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

HICKS U12H PAGE 3 OF 8



UNIT ACREAGE - 348.561 ACRES



58.7
23.7

LEGEND	
	- UNIT BOUNDARY
	- PARCEL LINES

06/01/2018

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.888	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4416018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

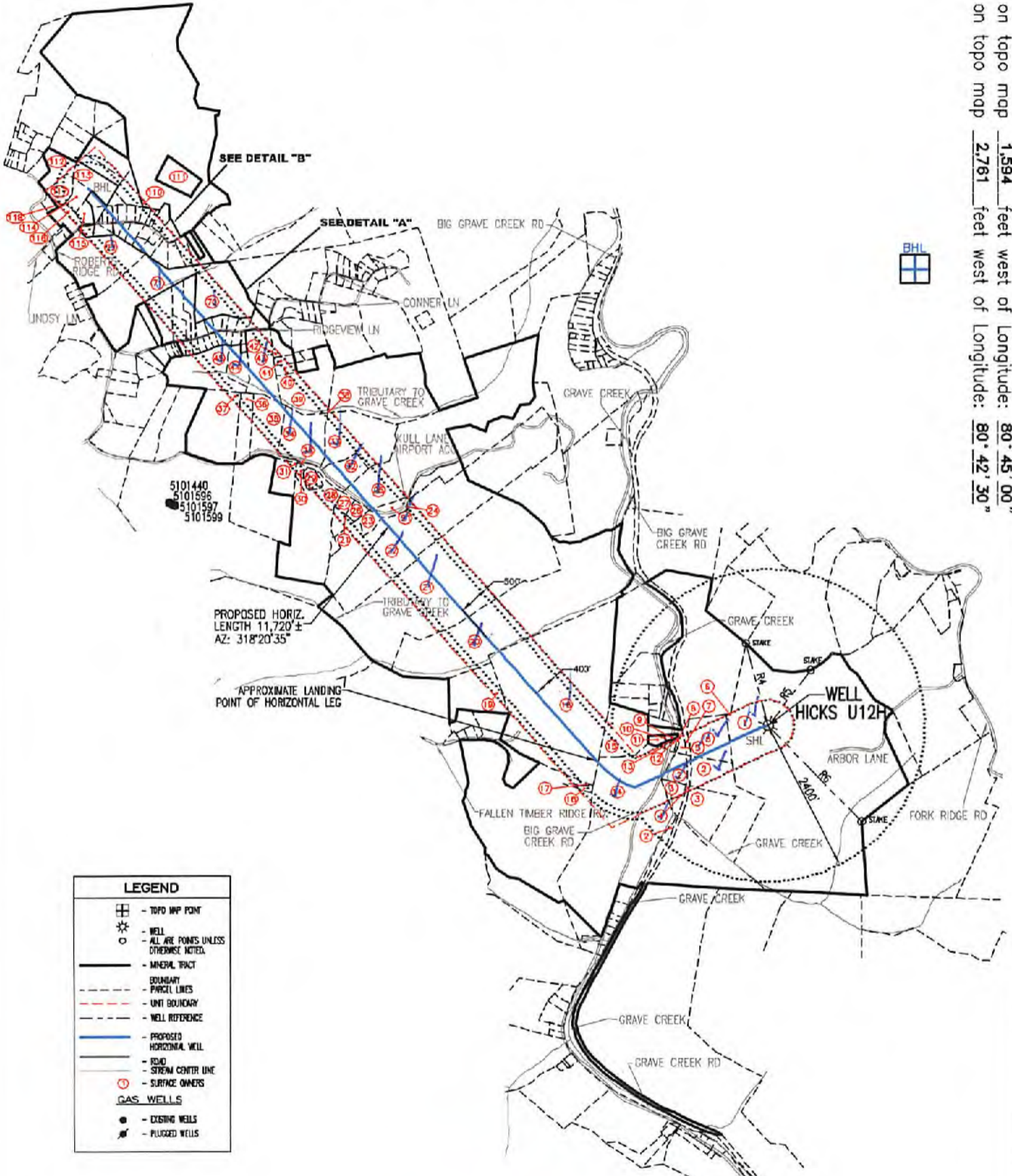
APRIL 24, 2018

BHL is located on topo map 8,266 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 1,171 feet south of Latitude: 39° 52' 30"



HICKS U12H PAGE 2 OF 8

BHL is located on topo map 1,594 feet west of Longitude: 80° 45' 00"
 SHL is located on topo map 2,761 feet west of Longitude: 80° 42' 30"



UNIT ACREAGE - 348.561 ACRES

06/01/2018

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4413564.819 E:524101.886	UTM 17-NAD83(M) N:4413387.31 E:523307.80	UTM 17-NAD83(M) N:4416018.13 E:520887.34
NAD83, WV NORTH N:501967.139 E:1626604.007	NAD83, WV NORTH N:501428.195 E:1623988.472	NAD83, WV NORTH N:510194.000 E:1616190.000

APRIL 24, 2018

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
----------------------	-----------------------	-----------------------	---------	-----------

See Attached

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Chevron Appalachia, LLC

By: Jenny Hayes
Its: Permitting Team Lead

RECEIVED
Office of Oil and Gas

JAN 5 2018

Hicks Unit #12H - UTICA - FINAL

Plat Ref #	Plat ID	Lessor	Lessee	Royalty	Book/Page	Assignment #1	Assignment #2	Assignment #3
1	4-8-37	Hicks, Christa Dawn et al	Chevron U.S.A. Inc.	0.18	841/246	n/a	n/a	n/a
2	4-8-36	Garey, Lillie Lavern	TriEnergy Holdings, LLC	0.16	707/9	24/180 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
5	4-8-36.1	Pond, Sidney P. et ux	Chevron U.S.A. Inc.	0.18	876/295	n/a	n/a	n/a
4	4-12-25	CNX Gas Company LLC	Chevron U.S.A. Inc.	0.2	818/549	n/a	n/a	n/a
14	4-8-23	Williams, Mabel J.	Chevron U.S.A. Inc.	0.18	837/386	n/a	n/a	n/a
		Aston, Henry et ux	TriEnergy, Inc.	0.125	664/592	BK20/P252-- TriEnergy Holdings LLC to AB Resources LLC	BK756/P397-- AB Resources LLC to Chevron U.S.A. Inc.	n/a
		Gamble, Leo	TriEnergy Holdings, LLC	0.14	740/354	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Brennan, Billie D.	TriEnergy Holdings, LLC	0.16	740/351	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Riggle, Barbara	Chevron U.S.A. Inc.	0.14	763/509	n/a	n/a	n/a
		Miller, Noreen G. et vir	Chevron U.S.A. Inc.	0.16	772/218	n/a	n/a	n/a
		Hand, Anne Long et vir	Chevron U.S.A. Inc.	0.14	774/302	n/a	n/a	n/a
		Gamble, John M.	Chevron U.S.A. Inc.	0.14	774/310	n/a	n/a	n/a
		Verrall, Margaret M.	Chevron U.S.A. Inc.	0.16	774/275	n/a	n/a	n/a
		McCullough, Larry	Chevron U.S.A. Inc.	0.14	772/31	n/a	n/a	n/a
		Gamble, Mark Carter	Chevron U.S.A. Inc.	0.14	772/43	n/a	n/a	n/a
		Gamble, Charles Paul et ux	Chevron U.S.A. Inc.	0.14	780/132	n/a	n/a	n/a

51-02602

Burt, Clarice	TriEnergy Holdings, LLC	0.16	753/608	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Carmichael, Donald	TriEnergy Holdings, LLC	0.14	743/411	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Day, Jane Ann	TriEnergy Holdings, LLC	0.14	751/237	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Fillmore, Peggy	TriEnergy Holdings, LLC	0.14	743/414	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Garner, Billie Jo	TriEnergy Holdings, LLC	0.14	743/426	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Ardith	Chevron U.S.A. Inc.	0.16	753/602	n/a	n/a	n/a

Holmes, Eleanor	TriEnergy Holdings, LLC	0.16	751/240	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Gene Lawson	TriEnergy Holdings, LLC	0.16	743/522	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Janice A.	TriEnergy Holdings, LLC	0.16	753/614	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Mary	TriEnergy Holdings, LLC	0.16	743/426	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Mitchell R.	TriEnergy Holdings, LLC	0.16	748/141	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Ronald Lemoyne	TriEnergy Holdings, LLC	0.16	743/466	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

18

4-8-17

Holmes, Tim	TriEnergy Holdings, LLC	0.16	751/234	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holmes, Virginia	TriEnergy Holdings, LLC	0.16	753/605	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Holstine, Myrna Louann	TriEnergy Holdings, LLC	0.16	753/589	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Hubbs, Lyla Lorraine	TriEnergy Holdings, LLC	0.16	753/617	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Librizzi, Bonnie	TriEnergy Holdings, LLC	0.16	748/137	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Lipsky, Mary Louise	TriEnergy Holdings, LLC	0.16	753/620	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

51-02002

Maas, Karen V.	TriEnergy Holdings, LLC	0.16	753/641	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Midcap, Vera Marie	TriEnergy Holdings, LLC	0.16	753/592	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Redd, Mavarene L.	TriEnergy Holdings, LLC	0.16	753/263	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Richards, Eula by AIF Thompson, Carolyn	TriEnergy Holdings, LLC	0.14	748/152	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Rine, Helen M.	TriEnergy Holdings, LLC	0.18	748/120	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Rulong, Marilyn Lavonda	TriEnergy Holdings, LLC	0.16	753/626	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

Standiford, Violet P.	TriEnergy Holdings, LLC	0.18	749/261	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Cioccia, Christine A.	Chevron U.S.A. Inc.	0.18	765/235	n/a	n/a	n/a
Dulaney, Shirley	TriEnergy Holdings, LLC	0.18	749/236	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Earnest, William	TriEnergy Holdings, LLC	0.18	749/242	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Gamble, Jane Ann	TriEnergy Holdings, LLC	0.18	743/440	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Gamble, Julia by AIF Dombrowski, Mary Jo	TriEnergy Holdings, LLC	0.18	745/436	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

McCardle, Howard	TriEnergy Holdings, LLC	0.14	749/283	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Milliken, Joan	TriEnergy Holdings, LLC	0.18	749/258	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Ruckman, Sherwin Lee	TriEnergy Holdings, LLC	0.18	749/276	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Stark, Bobbi Jo	TriEnergy Holdings, LLC	0.18	743/429	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
West, Belinda S.	TriEnergy Holdings, LLC	0.18	749/270	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Whipkey, Mary Ellen	TriEnergy Holdings, LLC	0.18	749/273	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

		Williams, Robin	TriEnergy Holdings, LLC	0.18	749/267	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Holmes, Lloyd Elwood	Chevron U.S.A. Inc.	0.15	790/62	n/a	n/a	n/a
20	4-8-16	Warner, Sandra Kay	TriEnergy Holdings, LLC	0.16	736/318	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Bayha, Patsy Sue	TriEnergy Holdings, LLC	0.16	736/301	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Peterson, Hallie Lu	TriEnergy Holdings, LLC	0.16	738/541	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Lee, Lucretia	TriEnergy Holdings, LLC	0.16	742/29	26/123 TriEnergy Holdings, LLC to NPAR, LLC	26/201 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Boone, Della K.	TriEnergy Holdings, LLC	0.16	738/544	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

		Parsons, Dennis	TriEnergy Holdings, LLC	0.16	767/613	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Cline, Casper E. Dr.	TriEnergy Holdings, LLC	0.16	743/477	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Stromsland, Charlotte L.	TriEnergy Holdings, LLC	0.16	753/598	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Warner, Sandra Kay	TriEnergy Holdings, LLC	0.16	736/318	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Bayha, Patsy Sue	TriEnergy Holdings, LLC	0.16	736/301	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Peterson, Hallie Lu	TriEnergy Holdings, LLC	0.16	738/541	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

21	4-5-54.1	Lee, Lucretia	TriEnergy Holdings, LLC	0.16	742/29	26/123 TriEnergy Holdings, LLC to NPAR, LLC	26/201 NPAR, LLC to Chevron U.S.A. Inc.	n/a
		Boone, Della K.	TriEnergy Holdings, LLC	0.16	738/544	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Parsons, Dennis	TriEnergy Holdings, LLC	0.16	767/613	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Cline, Casper E. Dr.	TriEnergy Holdings, LLC	0.16	743/477	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Stromsland, Charlotte L.	TriEnergy Holdings, LLC	0.16	753/598	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
		Warner, Sandra Kay	TriEnergy Holdings, LLC	0.16	736/318	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a

22

4-5-54.3

Bayha, Patsy Sue	TriEnergy Holdings, LLC	0.16	736/301	25/449 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
Peterson, Hallie Lu	TriEnergy Holdings, LLC	0.16	738/541	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Lee, Lucretia	TriEnergy Holdings, LLC	0.16	742/29	26/123 TriEnergy Holdings, LLC to NPAR, LLC	26/201 NPAR, LLC to Chevron U.S.A. Inc.	n/a
Boone, Della K.	TriEnergy Holdings, LLC	0.16	738/544	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Parsons, Dennis	TriEnergy Holdings, LLC	0.16	767/613	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
Cline, Casper E. Dr.	TriEnergy Holdings, LLC	0.16	743/477	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

		Stromsland, Charlotte L.	TriEnergy Holdings, LLC	0.16	753/598	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
	4-5-54.2	Marshall County Airport Authority	TriEnergy Holdings, LLC	0.18	722/509	25/463 TriEnergy Holdings, LLC to NPAR, LLC	756/307 NPAR, LLC to Chevron, U.S.A. Inc.	n/a
25	4-5-54.5	Fox, John L.	Chevron U.S.A. Inc.	0.155	796/368	n/a	n/a	n/a
		Fox, Karen M.	Chevron U.S.A. Inc.	0.155	796/349	n/a	n/a	n/a
		Preston, Christi F.	Chevron U.S.A. Inc.	0.155	796/524	n/a	n/a	n/a
		Fox, John L. II	Chevron U.S.A. Inc.	0.155	797/52	n/a	n/a	n/a
		Hamilton, Cynthia S.	Chevron U.S.A. Inc.	0.155	796/505	n/a	n/a	n/a
		Argenta, Dorothy A.	Chevron U.S.A. Inc.	0.155	797/89	n/a	n/a	n/a
		Persinger, Mary E.	Chevron U.S.A. Inc.	0.155	796/378	n/a	n/a	n/a
		Evans, Karen Fox	Chevron U.S.A. Inc.	0.155	796/349	n/a	n/a	n/a
		Fox, Brad	Chevron U.S.A. Inc.	0.155	796/522	n/a	n/a	n/a
		Smith, Linda	Chevron U.S.A. Inc.	0.155	797/99	n/a	n/a	n/a
		Miller, Ann Machele	Chevron U.S.A. Inc.	0.155	796/634	n/a	n/a	n/a
		Hunnell, Janet C.	Chevron U.S.A. Inc.	0.155	797/252	n/a	n/a	n/a
		Persinger, Michael	Chevron U.S.A. Inc.	0.155	797/242	n/a	n/a	n/a
		Blake, Beth	Chevron U.S.A. Inc.	0.155	797/232	n/a	n/a	n/a
		Argenta, William P.	Chevron U.S.A. Inc.	0.155	797/222	n/a	n/a	n/a
		Argenta, Paul T.	Chevron U.S.A. Inc.	0.155	797/577	n/a	n/a	n/a
		Kress, Joan E.	Chevron U.S.A. Inc.	0.155	797/262	n/a	n/a	n/a
		Rackley, Lindsey E.	Chevron U.S.A. Inc.	0.14	784/435	n/a	n/a	n/a
		Hathaway, Eric et ux	Chevron U.S.A. Inc.	0.14	784/314	n/a	n/a	n/a
		Hathaway, Erine	Chevron U.S.A. Inc.	0.14	784/304	n/a	n/a	n/a
		Rackley, Nancy D. et vir	Chevron U.S.A. Inc.	0.14	785/339	n/a	n/a	n/a
		Goble, Kimberly Hathaway et vir	Chevron U.S.A. Inc.	0.14	785/376	n/a	n/a	n/a
		Hathaway, Gary Lee et ux	Chevron U.S.A. Inc.	0.14	786/175	n/a	n/a	n/a
		Judith Kull TRST DTD 7/31/1985	Chevron U.S.A. Inc.	0.14	795/78	n/a	n/a	n/a
		Elizabeth G. Kull Rev TRST DTD 10/21/1997	Chevron U.S.A. Inc.	0.14	791/76	n/a	n/a	n/a

32	4-5-53	Sedosky, Dorothy	Chesapeake Appalachia L.L.C.	0.17	705/93	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Dakan, Gene et ux	Chesapeake Appalachia L.L.C.	0.17	705/425	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Guzek, Dollye et vir	Chesapeake Appalachia L.L.C.	0.17	705/223	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Rackley, Lindsey E.	Chevron U.S.A. Inc.	0.14	784/435	n/a	n/a	n/a
		Hathaway, Eric et ux	Chevron U.S.A. Inc.	0.14	784/314	n/a	n/a	n/a
		Hathaway, Erine	Chevron U.S.A. Inc.	0.14	784/304	n/a	n/a	n/a
		Rackley, Nancy D. et vir	Chevron U.S.A. Inc.	0.14	785/339	n/a	n/a	n/a
		Goble, Kimberly Hathaway et vir	Chevron U.S.A. Inc.	0.14	785/376	n/a	n/a	n/a
		Hathaway, Gary Lee et ux	Chevron U.S.A. Inc.	0.14	786/175	n/a	n/a	n/a
		Judith Kull TRST DTD 7/31/1985	Chevron U.S.A. Inc.	0.14	795/78	n/a	n/a	n/a
		Elizabeth G. Kull Rev TRST DTD 10/21/1997	Chevron U.S.A. Inc.	0.14	791/76	n/a	n/a	n/a

33	4-5-50.5	Sedosky, Dorothy	Chesapeake Appalachia L.L.C.	0.17	705/93	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Dakan, Gene et ux	Chesapeake Appalachia L.L.C.	0.17	705/425	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Guzek, Dollye et vir	Chesapeake Appalachia L.L.C.	0.17	705/223	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Rackley, Lindsey E.	Chevron U.S.A. Inc.	0.14	784/435	n/a	n/a	n/a
		Hathaway, Eric et ux	Chevron U.S.A. Inc.	0.14	784/314	n/a	n/a	n/a
		Hathaway, Erine	Chevron U.S.A. Inc.	0.14	784/304	n/a	n/a	n/a
		Rackley, Nancy D. et vir	Chevron U.S.A. Inc.	0.14	785/339	n/a	n/a	n/a
		Goble, Kimberly Hathaway et vir	Chevron U.S.A. Inc.	0.14	785/376	n/a	n/a	n/a
		Hathaway, Gary Lee et ux	Chevron U.S.A. Inc.	0.14	786/175	n/a	n/a	n/a
		Judith Kull TRST DTD 7/31/1985	Chevron U.S.A. Inc.	0.14	795/78	n/a	n/a	n/a
		Elizabeth G. Kull Rev TRST DTD 10/21/1997	Chevron U.S.A. Inc.	0.14	791/76	n/a	n/a	n/a

35	4-5-50	Sedosky, Dorothy	Chesapeake Appalachia L.L.C.	0.17	705/93	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Dakan, Gene et ux	Chesapeake Appalachia L.L.C.	0.17	705/425	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Guzek, Dollye et vir	Chesapeake Appalachia L.L.C.	0.17	705/223	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
	Rackley, Lindsey E.	Chevron U.S.A. Inc.	0.14	784/435	n/a	n/a	n/a	
	Hathaway, Eric et ux	Chevron U.S.A. Inc.	0.14	784/314	n/a	n/a	n/a	
	Hathaway, Erine	Chevron U.S.A. Inc.	0.14	784/304	n/a	n/a	n/a	
	Rackley, Nancy D. et vir	Chevron U.S.A. Inc.	0.14	785/339	n/a	n/a	n/a	
	Goble, Kimberly Hathaway et vir	Chevron U.S.A. Inc.	0.14	785/376	n/a	n/a	n/a	
	Hathaway, Gary Lee et ux	Chevron U.S.A. Inc.	0.14	786/175	n/a	n/a	n/a	
	Judith Kull TRST DTD 7/31/1985	Chevron U.S.A. Inc.	0.14	795/78	n/a	n/a	n/a	
Elizabeth G. Kull Rev TRST DTD 10/21/1997	Chevron U.S.A. Inc.	0.14	791/76	n/a	n/a	n/a		

34	4-5-50.6	Sedosky, Dorothy	Chesapeake Appalachia L.L.C.	0.17	705/93	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Dakan, Gene et ux	Chesapeake Appalachia L.L.C.	0.17	705/425	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
		Guzek, Dollye et vir	Chesapeake Appalachia L.L.C.	0.17	705/223	30/392 Chesapeake Appalachia, L.L.C. to Chevron U.S.A. Inc.	n/a	n/a
43	4-5-50.3	Wells, Glen Richard	Chevron U.S.A. Inc.	0.14	773/580	n/a	n/a	n/a
		Campbell, Mary Lou et vir	Chevron U.S.A. Inc.	0.14	773/628	n/a	n/a	n/a
		Wells, Keller Dudley	Chevron U.S.A. Inc.	0.14	781/442	n/a	n/a	n/a
		Wells, John Wesley et ux	Chevron U.S.A. Inc.	0.14	782/94	n/a	n/a	n/a
		Minor, Phillip E.	Chevron U.S.A. Inc.	0.14	780/275	n/a	n/a	n/a
		Minor, David Michael	Chevron U.S.A. Inc.	0.14	784/445	n/a	n/a	n/a
		Minor, Millard et ux	Chevron U.S.A. Inc.	0.14	791/13	n/a	n/a	n/a
		Chappell, Katherine et vir	Chevron U.S.A. Inc.	0.14	786/330	n/a	n/a	n/a
		Minor, Denis J.	Chevron U.S.A. Inc.	0.16	780/275	n/a	n/a	n/a
		Minor, Christopher	Chevron U.S.A. Inc.	0.16	780/173	n/a	n/a	n/a
		Minor, Timothy	Chevron U.S.A. Inc.	0.14	776/423	n/a	n/a	n/a
		Minor, Scott	Chevron U.S.A. Inc.	0.16	780/107	n/a	n/a	n/a
		Minor, Mark	Chevron U.S.A. Inc.	0.16	780/150	n/a	n/a	n/a
		Minor, John	Chevron U.S.A. Inc.	0.16	780/117	n/a	n/a	n/a
Minor, Gerald et ux	Chevron U.S.A. Inc.	0.14	780/275	n/a	n/a	n/a		

51-0000

		Minor, Edward	Chevron U.S.A. Inc.	0.16	780/275	n/a	n/a	n/a
		Purtiman, James W. et ux	Chevron U.S.A. Inc.	0.14	776/368	n/a	n/a	n/a
		Schmidlin, Carole et vir	Chevron U.S.A. Inc.	0.14	780/83	n/a	n/a	n/a
		Purtiman, Nancy	Chevron U.S.A. Inc.	0.14	776/378	n/a	n/a	n/a
		Stavischeck, Elizabeth	Chevron U.S.A. Inc.	0.16	780/93	n/a	n/a	n/a
		Minor, Elaine	Chevron U.S.A. Inc.	0.14	784/460	n/a	n/a	n/a
		Rincon, Leslie	Chevron U.S.A. Inc.	0.14	791/170	n/a	n/a	n/a
		Kreutzer, John F. Jr. et ux	Chevron U.S.A. Inc.	0.14	791/150	n/a	n/a	n/a
		Kreutzer, Denise	Chevron U.S.A. Inc.	0.14	793/391	n/a	n/a	n/a
		Campbell, Mary Lou et vir	Chevron U.S.A. Inc.	0.14	780/275	n/a	n/a	n/a
		Minor, Jordan Christopher	Chevron U.S.A. Inc.	0.14	825/221	n/a	n/a	n/a
45	4-5-57.1	Weekly, Seth C. et ux	Chevron U.S.A. Inc.	0.18	863/640	n/a	n/a	n/a
44	4-5-57.2	Blake, Robert et ux	TriEnergy Holdings, LLC	0.18	720/606	25/463 TriEnergy Holdings, LLC to NPAR, LLC	756/307 NPAR, LLC to Chevron U.S.A. Inc.	n/a
50	4-5B-10	Mason, Ronald et ux	TriEnergy Holdings, LLC	0.18	720/614	25/463 TriEnergy Holdings, LLC to NPAR, LLC	756/307 NPAR, LLC to Chevron U.S.A. Inc.	n/a
60	4-5-28	McKeebe, Rod L. et ux	Chevron U.S.A. Inc.	0.16	838/342	n/a	n/a	n/a
61	4-5-29	McGinnis, Timothy L. Jr	TriEnergy Holdings, LLC	0.16	743/543	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
63	4-5-30.3	Hedrick, Jerry et ux	TriEnergy Holdings, LLC	0.16	714/50	24/430 TriEnergy Holdings, LLC to NPAR, LLC	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a
64	4-5-30.4	Fahnestock, Barbara Lee	Chevron U.S.A. Inc.	0.16	839/470	n/a	n/a	n/a
70	4-5-30	Fahnestock, Tobi Jo	Chevron U.S.A. Inc.	0.18	848/533	n/a	n/a	n/a
		Fahnestock, Michael Jason	Chevron U.S.A. Inc.	0.18	848/447	n/a	n/a	n/a
		Fahnestock, John Roger	Chevron U.S.A. Inc.	0.18	848/536	n/a	n/a	n/a
		Fahnestock, Donald Leroy	Chevron U.S.A. Inc.	0.18	848/530	n/a	n/a	n/a
		Kendrick, Alisha Jo	Chevron U.S.A. Inc.	0.18	848/501	n/a	n/a	n/a

		Strickland, Bobbi Jo	Chevron U.S.A. Inc.	0.18	854/90	n/a	n/a	n/a
51	4-5B-8	Weekly, Seth C. et ux	Chevron U.S.A. Inc.	0.18	863/640	n/a	n/a	n/a
65	4-5B-9	Mason, Ronald et ux	TriEnergy Holdings, LLC	0.18	720/614	25/463 TriEnergy Holdings, LLC to NPAR, LLC	756/307 NPAR, LLC to Chevron U.S.A. Inc.	n/a
71	4-5-24	Cecil, Loren et al	NPAR, LLC	0.16	698/350	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a	n/a
72	4-5-21	Cecil, Loren et al	NPAR, LLC	0.16	698/350	756/332 NPAR, LLC to Chevron U.S.A. Inc.	n/a	n/a
77	4-2-52.12	Sampson, Danny et ux	Chevron U.S.A. Inc.	0.16	777/39	n/a	n/a	n/a
81	4-2-52.7	O'Donnell Family Trust Dated May 21st, 2014	Chevron U.S.A. Inc.	0.18	885/494	n/a	n/a	n/a
83	4-2-52.6	O'Donnell, Michael L. et al	Chevron U.S.A. Inc.	0.18	884/12	n/a	n/a	n/a
84	4-2-52.5	O'Donnell, Michael L. et al	Chevron U.S.A. Inc.	0.18	884/12	n/a	n/a	n/a
85	4-5-23.3	Moffitt, Faye	TriEnergy Holdings, LLC	0.18	738/507	26/123 TriEnergy Holdings, LLC to NPAR, LLC	26/201 NPAR, LLC to Chevron U.S.A. Inc.	n/a
86	4-5-23	Moffitt, Faye	TriEnergy Holdings, LLC	0.18	738/507	26/123 TriEnergy Holdings, LLC to NPAR, LLC	26/201 NPAR, LLC to Chevron U.S.A. Inc.	n/a
101	4-2A-5	Uhl, Roger L. et ux	TriEnergy Holdings, LLC	0.18	743/502	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a

SI-02002

100	4-2A-6	Miller, Matthew L. et ux	TriEnergy Holdings, LLC	0.18	743/482	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
97	4-2A-7	Hewitt, Randy P.	TriEnergy Holdings, LLC	0.18	749/281	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
89	4-2A-8	Jones, Michael B. et ux	TriEnergy Holdings, LLC	0.16	743/537	28/348 TriEnergy Holdings, LLC to Chevron U.S.A. Inc.	n/a	n/a
95	4-2-29.3	Yoho, Lawrence et ux	TriEnergy Holdings, LLC	0.16	721/566	25/463 TriEnergy Holdings, LLC to NPAR, LLC	756/307 NPAR, LLC to Chevron U.S.A. Inc.	n/a
96	4-2-29.1	Boso, Betty Ruth	Chevron U.S.A. Inc.	0.14	779/603	n/a	n/a	n/a
		Cain, Albert Elmer	Chevron U.S.A. Inc.	0.14	786/345	n/a	n/a	n/a
		Wade, Brenda E.	Chevron U.S.A. Inc.	0.14	826/487	n/a	n/a	n/a
		Novel, Diana Delores	Chevron U.S.A. Inc.	0.14	826/350	n/a	n/a	n/a
		Cecil, Cecelia C.	Chevron U.S.A. Inc.	0.14	829/275	n/a	n/a	n/a
		Hall, Charles H.	Chevron U.S.A. Inc.	0.14	829/294	n/a	n/a	n/a
		Atamaniuk, Cathey L.	Chevron U.S.A. Inc.	0.14	848/572	n/a	n/a	n/a
114	4-2-29.11	Long, Roger M. et ux	Chevron U.S.A. Inc.	0.18	839/479	n/a	n/a	n/a
113	4-2-29.12	Mowder, Randall S. et ux	Chevron U.S.A. Inc.	0.18	839/473	n/a	n/a	n/a

SI-02002



4705102002

Madeline Fitzgerald
Land Representative

November 20, 2017

West Virginia D.E.P.
Office of Oil & Gas
601 57th Street SE
Charleston, WV 25304-2345

RE: Hicks 11H, 12H, 13H, 14H

To whom it may concern:

This letter is to confirm that Chevron U.S.A. Inc. has the rights to access minerals under any road along the above referenced laterals. If you should have any further questions or need additional documentation, please feel free to contact me.

Sincerely,

Madeline Fitzgerald
Land Representative

Appalachian Mountain Business Unit
Chevron North America Exploration and Production Company
A Division of Chevron U.S.A. Inc.
700 Cherrington Parkway, Coraopolis, PA 15108
Tel 412 865 1584 Mobile 719 859 0110
MadelineFitzgerald@chevron.com

RECEIVED
Office of Oil and Gas
JAN 5 2018
06/01/2018
WV Department of
Environmental Protection

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION**

Date of Notice Certification: 11/28/17

API No. 47- _____
Operator's Well No. U12H
Well Pad Name: Hicks

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>524099.911</u>
County: <u>Marshall</u>		Northing: <u>4413573.744</u>
District: <u>Clay</u>	Public Road Access: <u>Fork Ridge Road/WW-17</u>	
Quadrangle: <u>Glen Easton, WV 7.5'</u>	Generally used farm name: <u>Hicks</u>	
Watershed: <u>Middle Grave Creek-Grave Creek</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 150px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
---	---

RECEIVED
Office of Oil and Gas
JAN 5 2018
WV Department of
Environmental Protection

Required Attachments:

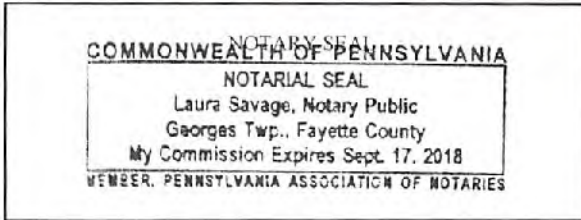
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

THEREFORE, I Jenny Hayes, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Chevron Appalachia, LLC
By: Jenny Hayes
Its: Permitting Team Lead
Telephone: 412-865-1533

Address: 700 Cherrington Parkway
Coraopolis, PA 15108
Facsimile: 412-865-2403
Email: jzyk@chevron.com



Subscribed and sworn before me this 3rd day of January, 2018.

Laura Savage Notary Public

My Commission Expires September 17, 2018

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection

Attachment

API No. 47- _____ - _____

OPERATOR WELL NO. U12HWell Pad Name: Hicks

- COAL OWNER OR LESSEE**
Name: Christa Dawn Hicks
Address: 65 Clover Lane
Moundsville, WV 26041
- COAL OWNER OR LESSEE**
Name: Leslie Mae Hicks
Address: 1611 Skye Drive
Chapel Hill, NC 27516
- SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR**
Name: Lillie Lavern Garey (deceased, March 20, 2017)
c/o Vickie Pond (daughter)
Address: 119 Labrador Lane
Moundsville, WV 26041
- SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR**
Name: Vickie L. & Sidney P. Pond
Address: 119 Labrador Lane
Moundsville, WV 26041
- SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR**
Name: Kenneth B. Tagg
Address: 3303 Big Grave Creek Road
Moundsville, WV 26041

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection

06/01/2018

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 11/28/2017 Date Permit Application Filed: 1/4/18

Notice of:

- PERMIT FOR ANY WELL WORK CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Thomas E. Hicks
Address: 353 Arbor Lane
Moundsville, WV 26041

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: Jeffrey Ryan
Address: 141 Clover Lane
Moundsville, WV 26041

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: Consol Mining Company, LLC
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

COAL OPERATOR

Name: Murray Energy
Address: 46226 National Road
St. Clairsville, OH 43950

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: see attached
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/air-and-gas/pages/default.aspx.

RECEIVED
Office of Oil and Gas
JAN 5 2018

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WV Department of
Environmental Protection

06/01/2018

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

06/01/2018

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

RECEIVED
Office of Oil and Gas

JAN 5 2018

WV Department of
Environmental Protection

06/01/2018

Notice is hereby given by:

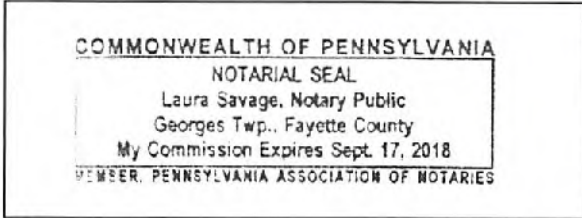
Well Operator: Chevron Appalachia, LLC
Telephone: 412-865-1533
Email: jzyk@chevron.com

Address: 700 Cherrington Parkway
Coraopolis, PA 15108
Facsimile: 412-865-2403

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Jeremy Hicks



Subscribed and sworn before me this 3rd day of January, 2018.

Laura Savage Notary Public

My Commission Expires September 17, 2018

RECEIVED
Office of Oil and Gas

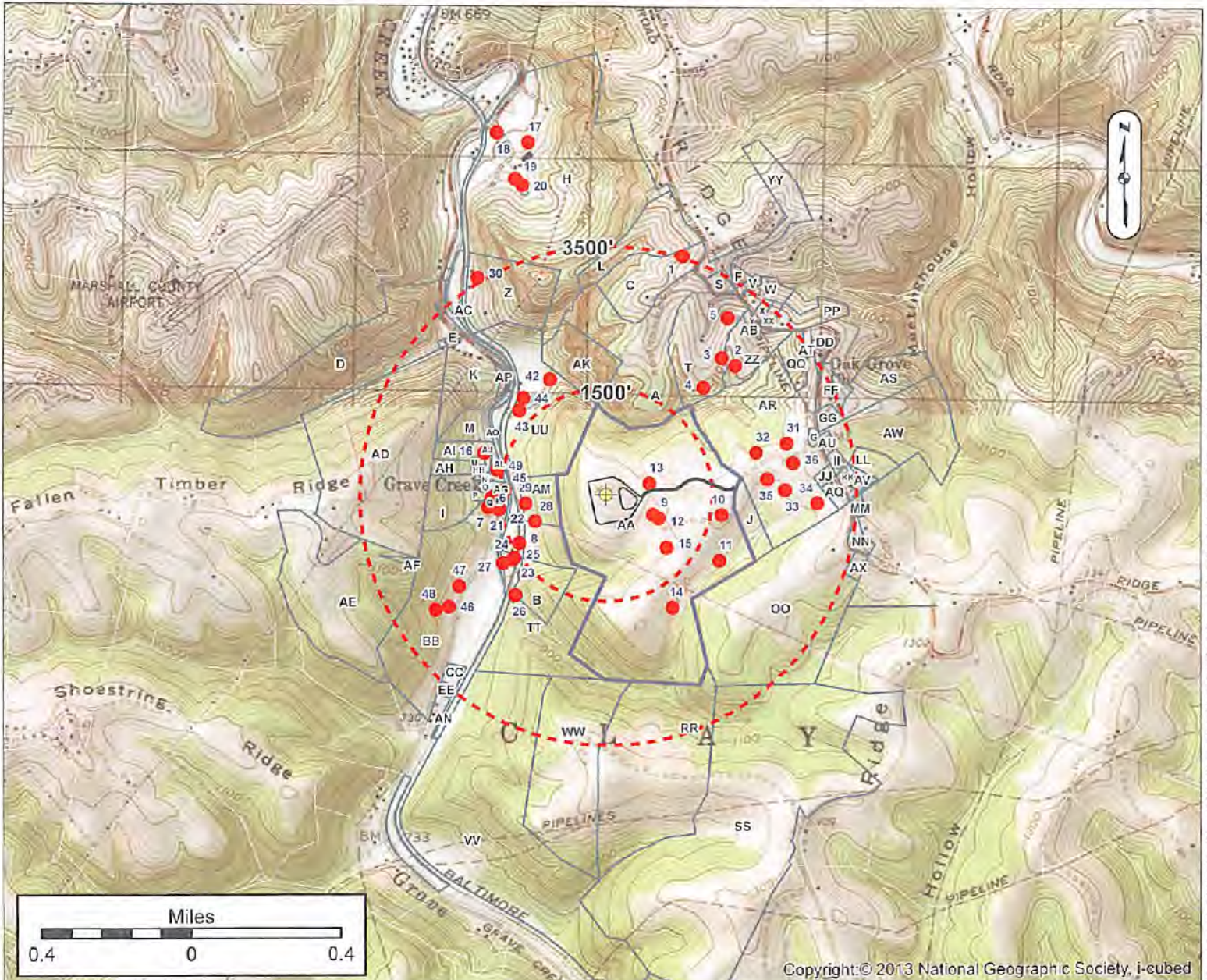
JAN 5 2018

WV Department of
Environmental Protection



WATER SUPPLY EXHIBIT HICKS PAD

4705 102002



LOT OWNERS

Label	OWNER	TM	Label	OWNER	TM	Label	OWNER	TM	Label	OWNER	TM
A	SCHAEFER LESLIE B & LOH	25-04 800490000000	Q	CLAYTON RALPH E ET UX	25-01 800500000000	GC	SCHUMMAN G L FERRY J & SUGANNE K	25-04 900200000000	WV	COSTI R EDWARD E ET UX ESTS	25-04 150007000000
B	FORD SIDNEY F ET UX	25-04 400340000000	R	ROHS SIDNEY F & VICKI L	25-04 800500010000	HF	WYSE VM ANDREW F ET UX	25-04 800700000000	AK	FERRER ROBERT V ET UX	25-04 400500010000
C	ANDRES BASCH B & PAUL M R	25-04 800500000000	S	RICHIE ROBERT LET AI	25-04 400500010000	II	LOSH ROGER W & JODY L	25-04 900200010000	WV	DELIJOHN WELT UX	25-03 400400000000
D	MERCER CHARLES W JR & JUDY	25-04 800400000000	T	CHAMBERS MAURICE J ET UX	25-01 800400000000	II	HENKUS MURIEL L LIFE	25-04 900200010000	JZ	LAMBERS JEMINDA B MCINT	25-04 400500010000
E	CLARK PATTY ANN	25-04 800330000000	U	LITMAN RICHARD E JR ET UX	25-04 800300000000	KK	LODICE MARTHA & JAMES I	25-04 900200000000	ER	CARNEY NORA DOTTIE ET UX	25-04 400500000000
F	LITTLETON HARRY LEROY ET UX	25-04 800500000000	V	BEID JAMES F ET UX	25-04 400300010000	LL	ANDER CAROL VIAN CEVIR	25-04 900200000000	AC	CONDO LATHROP EDNA COMPANY	25-04 400700000000
G	FRONTSER SA LP	25-04 800200010000	W	FRANK T JACOB L & NICOLE	25-01 800300000000	MM	LOPES LINDA NALS	25-01 900200000000	JZ	ASTLE HENRY W & LINDA W LIFE	25-04 800700000000
H	MOUNTAINER ENTERPRISES LLC	25-04 800400000000	X	STEVEN JAMES MARTIN ET UX	25-04 400300010000	NN	SMITH LEO ROBERT F ET UX	25-04 900100000000	AF	POHAR EMMETT W & CAROL E TR	25-04 800100000000
I	LITMAN RICHARD F SR	25-04 800330000000	Y	CARPENTER DONALD T JR	25-04 400500010000	OO	BUCHANAN JAMES R ET UX	25-04 900100000000	AF	WILLIAMS AMBER JUANITA	25-04 800100000000
J	HICKS LUCILLE E	25-04 800750000000	Z	RICHARDSON ANET ELIZABETH	25-01 800500000000	PP	LEKRE L ROBERT V ET UX	25-04 400500000000	GG	POND SIDNEY P E V CRIE E	25-04 800700000000
K	MORRIS DONNIE ET UX	25-04 800350000000	AA	HICKS THOMAS E	25-04 800350000000	QQ	MCGARY RUBY LAURIE ET AI LIFE	25-04 900200040000	AI	LITMAN RICHARD E SR	25-04 800700000000
L	SONENSHIT JOSEPH	25-04 800570000000	BB	WILLIAMS MADEE JUANITA	25-04 800300000000	RR	COSTER EDWARD B ET UX ESTS	25-04 10000100000000	AI	LITMAN RICHARD E SR	25-04 800300000000
M	THOMAS DENVER D ET UX	25-04 800270000000	CC	MARTIN MARGIE L	25-01 800270000000	SS	WINKLER DENNIS D ET UX	25-01 10001000000000	JZ	LITMAN RICHARD EARL SR	25-04 800300000000
N	MURPHY RICHARD F & JAVIE L	25-04 800200000000	DD	DAK GROVE M T CHURCH	25-04 900100000000	TT	GRAVE JULIE LAVERN	25-04 800100000000	AF	FRANK R FERRY B & FERRY B	25-04 800100000000
O	FRANKLIN THOMAS	25-04 800200000000	EE	BELMAN MICHAEL RAY	25-04 800200000000	UU	LITMAN RICHARD E SR	25-04 800100000000	AL	LITMAN RICHARD E SR	25-04 800100000000
P	CLAYTON RALPH E ET UX	25-04 800200000000	FF	HENRYMAN JAMIE B & CHRISTINA M	25-04 900200010000	VV	STOLIN DORIS L ET UX	25-04 10000100000000	AA	FRANK LEO E SIMPSON	25-04 800100000000

Surface Owner: THOMAS E. HICKS
 Oil/Gas Owner: THOMAS E. HICKS
 Well Operator: CHEVRON APPALACHIA, LLC
 Address: 700 CHERRINGTON PARKWAY
CORAOPOLIS, PA 15108
 Phone: 724-564-3700

County: MARSHALL
 Township: MOUNDSVILLE, WV
 Surveyor: SERVICES, INC.
 Address: 301 COMMERCE PARK DR
CRANBERRY TOWNSHIP, PA 16066
 Phone: 800-267-2549

RECEIVED
Office of Oil and Gas
JAN 5 2018

WV Department of Environmental Protection

NOTICE: THE INTENT OF THIS EXHIBIT IS TO IDENTIFY EXISTING WATER SUPPLIES IN THE VICINITY OF A PROPOSED GAS WELL, AND IS NOT A COMPLETE BOUNDARY SURVEY. PROPERTY LINES AND OWNER INFORMATION WERE OBTAINED FROM DEEDS, TAX RECORDS, AERIAL PHOTOGRAPHY, GIS, AND FIELD SURVEYED EVIDENCE.

06/01/2018

51-02002

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 11/01/2017 **Date Permit Application Filed:** 1/4/18

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Thomas E. Hicks
Address: 353 Arbor Lane
Moundsville, WV 26041

Name: Jeffrey L. Ryan
Address: 141 Clover Lane
Moundsville, WV 26041

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>524099.911</u>
County: <u>Marshall</u>		Northing: <u>4413573.744</u>
District: <u>Clay</u>	Public Road Access: <u>Fork Ridge Road/WW-17</u>	
Quadrangle: <u>Glen Easton, 7.5'</u>	Generally used farm name: <u>Hicks</u>	
Watershed: <u>Middle Grave Creek - Grave Creek</u>		

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Chevron Appalachia, LLC
Telephone: 412-865-1533
Email: jzyk@chevron.com

Address: 700 Cherrington Parkway
Coraopolis, PA 15108
Facsimile: 412-865-2403

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, [Signature], hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>524099.744</u>
County:	<u>Marshall</u>	UTM NAD 83 Northing:	<u>4413573.744</u>
District:	<u>Clay</u>	Public Road Access:	<u>Fork Ridge Road/WW-17</u>
Quadrangle:	<u>Glen Easton, WW 7.5'</u>	Generally used farm name:	<u>Hicks</u>
Watershed:	<u>Middle Grave Creek-Grave Creek</u>		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input checked="" type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>[Signature]</u></p> <p>Print Name: <u>VICKIE L FOND</u></p> <p>Date: <u>12-2-17</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
--	---

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
Office of Oil and Gas

JAN 5 2018
06/01/2018

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Sidney P Pond, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>524099.744</u>
County:	<u>Marshall</u>	UTM NAD 83 Northing:	<u>4413573.744</u>
District:	<u>Clay</u>	Public Road Access:	<u>Fork Ridge Road/WW-17</u>
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Hicks</u>
Watershed:	<u>Middle Grave Creek-Grave Creek</u>		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

*Please check the box that applies

- SURFACE OWNER
- SURFACE OWNER (Road and/or Other Disturbance)
- SURFACE OWNER (Impoundments/Pits)
- COAL OWNER OR LESSEE
- COAL OPERATOR
- WATER PURVEYOR
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: [Signature]
 Print Name: Sidney P Pond / Vickie L
 Date: 12-2-17

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
 By: _____
 Its: _____
 Signature: _____
 Date: _____

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
Office of Oil and Gas

DEC 15 2017

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Kenneth B. Tagg, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 12, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Eastings:	<u>524099.744</u>
County:	<u>Marshall</u>		Northing:	<u>4413573.744</u>
District:	<u>Clay</u>	Public Road Access:	<u>Fork Ridge Road/WW-17</u>	
Quadrangle:	<u>Glen Easton, WV 7.5'</u>	Generally used farm name:	<u>Hicks</u>	
Watershed:	<u>Middle Grave Creek-Grave Creek</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

- *Please check the box that applies
- SURFACE OWNER
 - SURFACE OWNER (Road and/or Other Disturbance)
 - SURFACE OWNER (Impoundments/Pits)
 - COAL OWNER OR LESSEE
 - COAL OPERATOR
 - WATER PURVEYOR
 - OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Kenneth B. Tagg
Print Name: KENNETH B. TAGG
Date: 12-4-17

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____

Signature: _____
Date: _____

RECEIVED
Office of Oil and Gas
JAN 5 2018

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in 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 depprivacyofficer@wv.gov.

WV Department of
Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
 Charleston, West Virginia 25305-0430 • (304) 558-3505

Jim Justice
 Governor

Thomas J. Smith, P. E.
 Secretary of Transportation/
 Commissioner of Highways

November 16, 2017

James A. Martin, Chief
 Office of Oil and Gas
 Department of Environmental Protection
 601 57th Street, SE
 Charleston, WV 25304

Subject: DOH Permit for the Hicks Pad A Well Site, Marshall County
 Hicks A U12H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #06-2016-0504 for the subject site to Chevron Appalachia, LLC for access to the State Road for the well site located off of Marshall County Route 17 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.
 Regional Maintenance Engineer
 Central Office Oil & Gas Coordinator

Cc: Mandy Fordyce
 Chevron Appalachia, LLC
 CH, OM, D-6
 File

RECEIVED
 Office of Oil and Gas

JAN 5 2018

WV Department of
 Environmental Protection
 06/01/2018

51-03002

DEC 23 2011

OIL AND GAS ROAD STATEWIDE BONDING AGREEMENT

THIS AGREEMENT, executed in duplicate, made and entered into this 19th day of January, 2012, by and between the **WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS**, hereinafter called "**DEPARTMENT**," and **CHEVRON APPALACHIA, LLC**, a Pennsylvania Limited Liability company, hereinafter called "**COMPANY**."

WITNESSETH:

WHEREAS, Company has horizontal gas well drilling operations in certain areas of West Virginia; and

WHEREAS, the Department believes that the frequent and repetitive use of certain sections of highways in the State by Company, its contractors, agents, independent contractors or suppliers of drilling materials or drilling equipment, and employees contributes to increased wear and tear to public roads in the state road system in the State, including local roads ("State Owned Roads"); and,

WHEREAS, the Department and Company have entered into this Agreement to satisfy the requirements of the Department's policy entitled "Oil & Gas Road Policy" dated February 1, 2011, as issued by Paul A. Mattox, Jr., Secretary of Transportation / Commissioner of Highways, and any subsequent related policies, hereinafter called "Policy", a copy of which is made a part of this Bonding Agreement and is identified as Attachment 1.

NOW, THEREFORE, for and in consideration of the mutual agreements hereinafter set forth, the parties agree as follows:

I. For purposes of this Bonding Agreement, "Project Transportation Usage" of the Company shall be understood to mean use of one or more State Owned Roads for the delivery and removal of drilling materials and drilling equipment at the site or location of one or more of Company's horizontal gas well pad locations. To the extent reasonably practical, prior to commencing use of a State Owned Road for Project Transportation Usage after January 1, 2011, the Company shall submit to the Department a section or sections of current official WVDOH County Highway maps identifying the exact location of the proposed project and the State Owned Roads that the Company will utilize for the Project Transportation Usage.

RECEIVED
Department of Oil and Gas
JAN 5 2018

II. Company and Department shall within 14 days of the Company's submittal, agree to a list of these sections of State Owned Roads, hereinafter called "Project Roads List", to be utilized for each of Company's projects, identified by route number and milepost; at a time to be mutually agreed to by the parties prior to initial commencement of Project Transportation Usage of a particular State Owned Road on a Project Roads List, the Company and Department will jointly review the condition of the roads and bridges on the Project Roads List. The Department will document the road type and surface condition and general right-of-way width of each section of road on the Project Road List. Either party may supplement this document with photographs, video or other evidence of the present condition of the road surface, shoulders, and structure of roads on the Project Road List.

Department of Environmental Protection
06/01/2018

both parties prior to, during and after the operator has completed well fracturing..

IV. In the Project Agreement/Project Permit, the Department shall not require the use of State Owned Roads other than the roads proposed by Company unless the Department has safety concerns as to the Company's proposed roads. A failure to agree on roads that may otherwise be lawfully used for a particular Project Transportation Usage shall result in the designation of the State Owned Roads proposed by Company, with milepost determinations as designated by Department. This Agreement shall only cover portions of State Owned Roads designated on the Project Roads List.

V. For the duration of Company's Project Transportation Usage of the Stated Owned Roads on the Project Roads List, whether by the Company, its contractors (while working on behalf of Company), agents, independent contractors or suppliers of drilling materials or drilling equipment, or employees, the Company agrees to pay for all reasonable maintenance and repair costs incurred by the Department to repair areas of the State Owned Roads included in the Project Roads List that were directly damaged by Company's Project Transportation Usage, as determined to be reasonably necessary and appropriate by the Department. The Department shall keep a record of all labor performed by Department employees and contractors for such maintenance and repairs and shall send an invoice for the same to Company.

VI. Company shall be responsible for the cost of all maintenance and repairs reasonably necessary to put the existing roadways, bridges and appurtenances on the Project Roads List utilized for the Project Transportation Usage in the condition that existed immediately prior to the Project Transportation Usage. Company shall not be required to pay for maintenance or repairs to put any areas of such roadways, bridges and appurtenances on the Project Roads List in a condition better than the condition that existed immediately prior to the Project Transportation Usage. Company shall also not be required to pay for maintenance or repairs to any areas of these roadways, bridges or appurtenances on the Project Roads List that are not actually utilized for the Project Transportation Usage or for damage not caused by Project Transportation Usage.

VII. Company shall notify the Department in writing of Company's final completion of Project Transportation Usage for particular roadways, bridges and appurtenances on the Project Roads List. Within fourteen days after its receipt of written notification of the completion of the Project Transportation Usage for all roads on a Project Roads List, the Department will review the condition of the roadways, bridges and appurtenances on the Project Roads List actually utilized for the Project Transportation Usage and advise Company of any final repairs reasonably necessary to leave these roads, bridges and appurtenances in a condition reasonably deemed by Department to be equal to their condition prior to commencement of Project Transportation Usage; and, upon completion of all such final repairs by or on behalf of Company and acceptance by Department, the Company shall be released from all further liability for maintenance or repairs to roads, bridges, or appurtenances on said Project Roads List. Any maintenance or repair work under the Project Agreement/Project Permit for roads, bridges or appurtenances on the Project Roads List may be performed by a contractor directly chosen by the Company as approved by the Department, the Department's workforce, or a private contractor hired by the Department through the public bid process in accordance with state law, all of which work shall be subject to the standards and specifications of the Department.

VIII. In order to ensure performance of Company's performance and payment obligations under this Bonding Agreement, the Company shall post a corporate surety bond, hereinafter called "Master Bond", with the Department named as the beneficiary, which form of bond shall be subject to the consent of the Department. not to be unreasonably withheld. The

RECEIVED
Office of Oil and Gas
JAN 5 2018
WV Department of Environmental Protection

06/01/2018

IX. Company shall maintain Commercial General Liability Insurance in the amount of two million dollars, with a minimum coverage of one million dollars per occurrence, for personal injury or death to persons, or for property damage, resulting from Company's Project Transportation Usage and shall present evidence of such insurance to Department upon request.

X. Company's usage of State Owned Roads under the Project Agreement/Project Permit shall comply with all applicable Federal, State and local laws and regulations including, but not limited to, to the extent applicable, the National Environmental Policy Act, Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act, Rare, Threatened and Endangered Species Act, Section 401 Water Quality Certification, and hazardous waste requirements. Further, upon reasonable written request of Department, Company shall furnish Department with acceptable documentation of such compliance which is in the possession of the Company.

XI. Company shall defend, indemnify and hold Department harmless from and against any and all losses, damage, and liability, and from all claims for damages on account of or by reason of bodily injury, including death, which may be sustained, or claimed to be sustained, by any person or persons, including employees of Department, and from and against any and all claims, losses or liabilities for damages to property, arising out of the negligent or willful acts or omissions of Company, its agents, independent contractors and suppliers of drilling materials or drilling equipment, employees and contractors, in the performance of all Project Transportation Usage activities undertaken pursuant to this Agreement (collectively, "claims"). The Company shall not be responsible to indemnify, defend or hold harmless Department for any claims caused by the negligent or willful acts or omissions of the Department or its agents, employees and contractors or third parties not performing work at the direction of Company or delivering drilling equipment or drilling materials, including water, for use by or for company.

XII. If a provision of this Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability of any other provision of this Agreement; or the validity or enforceability in other jurisdictions of that or any other provision of this Agreement.

XIII. Department shall give Company a minimum of thirty days written notice of default under the terms of this Bonding Agreement and the opportunity to cure this default during such thirty-day period. If a default is not cured to the satisfaction of Department, or provision acceptable to Department is not made for a cure, Department may then elect to terminate this Bonding Agreement in whole or in part, and may in addition exercise its rights under the Master Bond or seek any other lawful relief available. Company may terminate this Bonding Agreement upon thirty days written notice to Department for any reason. In the event Company terminates this Agreement for any reason, it shall be liable for the repair and maintenance costs set forth above for prior Project Transportation Usage.

XIV. Nothing herein shall be construed to mean that Company shall have any jurisdiction or control over any public roads in the state road system.

XV. Company, its contractors, agents, employees and suppliers shall at all times be subject to applicable provisions of state and federal law, including without limitation laws requiring operation of vehicles in accordance with legal size and weight restrictions and posted weight limits. Oversize/overweight permits for vehicle or loads not otherwise conforming with law must be obtained in accordance with law: Department agrees to work in good faith with

RECEIVED
Department of Oil and Gas
JAN 5 2018

Department of Environmental Protection
06/01/2018

IN WITNESS WHEREOF, the parties hereto have caused this Bonding Agreement to be executed by their duly authorized officers effective as of the date first above written.

WEST VIRGINIA DEPARTMENT OF
TRANSPORTATION,
DIVISION OF HIGHWAYS

Joreen Baria
Witness "Executive Secretary"

By: [Signature]
State Highway Engineer

CHEVRON APPALACHIA, LLC

[Signature]
Witness Michael A. Frazer
Supply Chain Manager

By: John F. Hammond
John F. Hammond
Title: Assistant Secretary

(To be executed in duplicate)

APPROVED AS TO FORM THIS
11th DAY OF Jan 2012
[Signature]
ATTORNEY LEGAL DIVISION
WEST VIRGINIA DEPARTMENT
OF HIGHWAYS

~~ATTORNEY LEGAL DIVISION
WEST VIRGINIA DEPARTMENT
OF HIGHWAYS~~

APPROVED AS TO FORM THIS
DAY OF 20
RECEIVED
Office of Oil and Gas

JAN 5 2018

06/01/2018
West Virginia Department of
Environmental Protection

Section VI - Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	
State:	WV
County:	Marshall
API Number:	047-51-00000
Operator Name:	Chevron
Well Pad Name:	Hicks
Longitude:	39.872100
Latitude:	-80.711825
Long/Lat Projection:	NAD 83
Production Type:	
True Vertical Depth (TVD):	
Total Water Volume (gal)*:	116001,000

Hydraulic Fracturing Fluid Additives:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Comments
Corrosion Inhibitor A264	Schlumberger	Corrosion Inhibitor	Methanol/Aliphatic Acids/Prop-2-yn-1-ol/Aliphatic Alcohols, ethoxylated #1	Mixture	
28% HCl Acid	Schlumberger	Used to open perforations	Hydrochloric Acid	7647-01-0	
Breaker J134	Schlumberger	Gel Breaker	Hemicellulase Enzyme	9012-54-8	
Water Gelling Agent J580	Schlumberger	Water Viscosifier	Carbohydrate Polymer	Proprietary	
Friction Reducer J609	Schlumberger	Friction Reducer	Ammonium Sulfate	7783-23-2	
Iron Stabilizer L58	Schlumberger	Iron Stabilizer	Sodium Erythorbate	6381-77-7	
EC6116A	Nalco	Biocide	Dibromoacetone/nitric/2,2-Dibromo-3-nitropropionamide/Polyethylene Glycol	Mixture	
EC6486A Scale Inhibitor	Nalco	Scale Inhibitor	Ammonium Triphosphate/Ethylene Glycol	Mixture	
NALCO EC6673W	Nalco	Iron Control	Ethylene Glycol	107-21-1	
5012-3050	Schlumberger	Proppant	Crystalline Silica	14808-60-7	
5012-4070	Schlumberger	Proppant	Crystalline Silica	14808-60-7	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS are subject to 29 CFR 1910.1200(i) and Appendix B.

RECEIVED
 Office of Oil and Gas
 JAN 5 2018
 WV Department of
 Environmental Protection

4705102002



Know what's below.
Call before you dig

HICKS WELL PAD

EROSION AND SEDIMENT CONTROL PLANS

FORK RIDGE ROAD (C.R. 17)
CLAY DISTRICT, MARSHALL COUNTY, WEST VIRGINIA



PREPARED FOR

CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

CONSULTANTS

PAUL SCOTT/APRAL/ARTISTS
8122 BRADDOCK HIGHWAY
CLAYTON, WEST VIRGINIA 25722
304.857.3338

IMPACTS TO DISTURBANCE AREA (A)	
	TOTAL SITE
ROADS	7.7
WELL PAD	14.7
TOTAL AFFECTED AREA	22.4
TOTAL WOODED AREAS DISTURBED	0.1
IMPACTS TO ROAD RIGHTS-OF-WAY	
ROADS	7.7
WELL PAD	0.0
TOTAL AFFECTED AREA	7.7
TOTAL WOODED AREAS DISTURBED	0.0
IMPACTS TO WOODS ADJACENT	
ROADS	0.1
WELL PAD	0.0
TOTAL AFFECTED AREA	0.1
TOTAL WOODED AREAS DISTURBED	0.0
IMPACTS TO U.S. FISHERIES	
ROADS	0.0
WELL PAD	23.0
TOTAL AFFECTED AREA	23.0
TOTAL WOODED AREAS DISTURBED	0.1

START OF ACCESS ROAD AT FORK RIDGE ROAD
LATITUDE: 39 03 37.01 N LONGITUDE: 81 59 41.11 W

START OF ACCESS ROAD AT APPALACHIA LANE
LATITUDE: 39 03 22.11 N LONGITUDE: 82 11 50.00 W

WELL PAD CENTER
LATITUDE: 39 02 16.49 N LONGITUDE: 82 11 52.00 W

WELL PAD CORNER
LATITUDE: 39 02 16.49 N LONGITUDE: 82 11 52.00 W

BASED ON LATEST WEST VIRGINIA STATE PLANE NORTH ZONE
U.S. FOOT

NO FERTILIZERS OR PESTICIDES TO BE APPLIED TO ANY OF THE
DISTURBED AREAS (USGS PLANT LIFE) OR ANY OF THE
DISTANCE TO NEAREST WOODS OR STREAM + 100 FT
NO APPROPRIATE WETLAND IMPACTS



SITE LOCATION MAP
USGS 7.5' TOPOGRAPHIC QUADRANGLE MAP
MOUNDVILLE & GLEN EASTON, WV 1997

LEGEND	EXISTING	PROPOSED
1. TOP OF DIRT	---	---
2. SURFACE	---	---
3. SUBSURFACE	---	---
4. BOTTOM OF SOIL	---	---
5. DRAINAGE	---	---
6. ROAD	---	---
7. APPALACHIA	---	---
8. TOP OF STREAM	---	---
9. FLOODPLAIN	---	---
10. WETLANDS	---	---
11. DISTURBED	---	---
12. PROPOSED	---	---
13. STREAM	---	---
14. CHANNEL	---	---
15. CHANNEL	---	---
16. CHANNEL	---	---
17. CHANNEL	---	---
18. CHANNEL	---	---
19. CHANNEL	---	---
20. CHANNEL	---	---
21. CHANNEL	---	---
22. CHANNEL	---	---
23. CHANNEL	---	---
24. CHANNEL	---	---
25. CHANNEL	---	---
26. CHANNEL	---	---
27. CHANNEL	---	---
28. CHANNEL	---	---
29. CHANNEL	---	---
30. CHANNEL	---	---
31. CHANNEL	---	---
32. CHANNEL	---	---
33. CHANNEL	---	---
34. CHANNEL	---	---
35. CHANNEL	---	---
36. CHANNEL	---	---
37. CHANNEL	---	---
38. CHANNEL	---	---
39. CHANNEL	---	---
40. CHANNEL	---	---
41. CHANNEL	---	---
42. CHANNEL	---	---
43. CHANNEL	---	---
44. CHANNEL	---	---
45. CHANNEL	---	---
46. CHANNEL	---	---
47. CHANNEL	---	---
48. CHANNEL	---	---
49. CHANNEL	---	---
50. CHANNEL	---	---
51. CHANNEL	---	---
52. CHANNEL	---	---
53. CHANNEL	---	---
54. CHANNEL	---	---
55. CHANNEL	---	---
56. CHANNEL	---	---
57. CHANNEL	---	---
58. CHANNEL	---	---
59. CHANNEL	---	---
60. CHANNEL	---	---
61. CHANNEL	---	---
62. CHANNEL	---	---
63. CHANNEL	---	---
64. CHANNEL	---	---
65. CHANNEL	---	---
66. CHANNEL	---	---
67. CHANNEL	---	---
68. CHANNEL	---	---
69. CHANNEL	---	---
70. CHANNEL	---	---
71. CHANNEL	---	---
72. CHANNEL	---	---
73. CHANNEL	---	---
74. CHANNEL	---	---
75. CHANNEL	---	---
76. CHANNEL	---	---
77. CHANNEL	---	---
78. CHANNEL	---	---
79. CHANNEL	---	---
80. CHANNEL	---	---
81. CHANNEL	---	---
82. CHANNEL	---	---
83. CHANNEL	---	---
84. CHANNEL	---	---
85. CHANNEL	---	---
86. CHANNEL	---	---
87. CHANNEL	---	---
88. CHANNEL	---	---
89. CHANNEL	---	---
90. CHANNEL	---	---
91. CHANNEL	---	---
92. CHANNEL	---	---
93. CHANNEL	---	---
94. CHANNEL	---	---
95. CHANNEL	---	---
96. CHANNEL	---	---
97. CHANNEL	---	---
98. CHANNEL	---	---
99. CHANNEL	---	---
100. CHANNEL	---	---

NO.	TITLE	SHEET INDEX
ES-000	COVER SHEET	
ES-050	EXISTING TOPOGRAPHIC PLAN	
ES-100	CIVIL ENGINEER SEDIMENT CONTROL PLAN	
ES-101	EROSION AND SEDIMENT CONTROL PLAN	
ES-102	EROSION AND SEDIMENT CONTROL PLAN	
ES-103	EROSION AND SEDIMENT CONTROL PLAN	
ES-104	EROSION AND SEDIMENT CONTROL PLAN	
ES-105	EROSION AND SEDIMENT CONTROL PLAN	
ES-106	EROSION AND SEDIMENT CONTROL PLAN	
ES-107	EROSION AND SEDIMENT CONTROL PLAN	
ES-108	EROSION AND SEDIMENT CONTROL PLAN	
ES-109	EROSION AND SEDIMENT CONTROL PLAN	
ES-110	EROSION AND SEDIMENT CONTROL PLAN	
ES-111	EROSION AND SEDIMENT CONTROL PLAN	
ES-112	EROSION AND SEDIMENT CONTROL PLAN	
ES-113	EROSION AND SEDIMENT CONTROL PLAN	
ES-114	EROSION AND SEDIMENT CONTROL PLAN	
ES-115	EROSION AND SEDIMENT CONTROL PLAN	
ES-116	EROSION AND SEDIMENT CONTROL PLAN	
ES-117	EROSION AND SEDIMENT CONTROL PLAN	
ES-118	EROSION AND SEDIMENT CONTROL PLAN	
ES-119	EROSION AND SEDIMENT CONTROL PLAN	
ES-120	EROSION AND SEDIMENT CONTROL PLAN	
ES-121	EROSION AND SEDIMENT CONTROL PLAN	
ES-122	EROSION AND SEDIMENT CONTROL PLAN	
ES-123	EROSION AND SEDIMENT CONTROL PLAN	
ES-124	EROSION AND SEDIMENT CONTROL PLAN	
ES-125	EROSION AND SEDIMENT CONTROL PLAN	
ES-126	EROSION AND SEDIMENT CONTROL PLAN	
ES-127	EROSION AND SEDIMENT CONTROL PLAN	
ES-128	EROSION AND SEDIMENT CONTROL PLAN	
ES-129	EROSION AND SEDIMENT CONTROL PLAN	
ES-130	EROSION AND SEDIMENT CONTROL PLAN	
ES-131	EROSION AND SEDIMENT CONTROL PLAN	
ES-132	EROSION AND SEDIMENT CONTROL PLAN	
ES-133	EROSION AND SEDIMENT CONTROL PLAN	
ES-134	EROSION AND SEDIMENT CONTROL PLAN	
ES-135	EROSION AND SEDIMENT CONTROL PLAN	
ES-136	EROSION AND SEDIMENT CONTROL PLAN	
ES-137	EROSION AND SEDIMENT CONTROL PLAN	
ES-138	EROSION AND SEDIMENT CONTROL PLAN	
ES-139	EROSION AND SEDIMENT CONTROL PLAN	
ES-140	EROSION AND SEDIMENT CONTROL PLAN	
ES-141	EROSION AND SEDIMENT CONTROL PLAN	
ES-142	EROSION AND SEDIMENT CONTROL PLAN	
ES-143	EROSION AND SEDIMENT CONTROL PLAN	
ES-144	EROSION AND SEDIMENT CONTROL PLAN	
ES-145	EROSION AND SEDIMENT CONTROL PLAN	
ES-146	EROSION AND SEDIMENT CONTROL PLAN	
ES-147	EROSION AND SEDIMENT CONTROL PLAN	
ES-148	EROSION AND SEDIMENT CONTROL PLAN	
ES-149	EROSION AND SEDIMENT CONTROL PLAN	
ES-150	EROSION AND SEDIMENT CONTROL PLAN	
ES-151	EROSION AND SEDIMENT CONTROL PLAN	
ES-152	EROSION AND SEDIMENT CONTROL PLAN	
ES-153	EROSION AND SEDIMENT CONTROL PLAN	
ES-154	EROSION AND SEDIMENT CONTROL PLAN	
ES-155	EROSION AND SEDIMENT CONTROL PLAN	
ES-156	EROSION AND SEDIMENT CONTROL PLAN	
ES-157	EROSION AND SEDIMENT CONTROL PLAN	
ES-158	EROSION AND SEDIMENT CONTROL PLAN	
ES-159	EROSION AND SEDIMENT CONTROL PLAN	
ES-160	EROSION AND SEDIMENT CONTROL PLAN	
ES-161	EROSION AND SEDIMENT CONTROL PLAN	
ES-162	EROSION AND SEDIMENT CONTROL PLAN	
ES-163	EROSION AND SEDIMENT CONTROL PLAN	
ES-164	EROSION AND SEDIMENT CONTROL PLAN	
ES-165	EROSION AND SEDIMENT CONTROL PLAN	
ES-166	EROSION AND SEDIMENT CONTROL PLAN	
ES-167	EROSION AND SEDIMENT CONTROL PLAN	
ES-168	EROSION AND SEDIMENT CONTROL PLAN	
ES-169	EROSION AND SEDIMENT CONTROL PLAN	
ES-170	EROSION AND SEDIMENT CONTROL PLAN	
ES-171	EROSION AND SEDIMENT CONTROL PLAN	
ES-172	EROSION AND SEDIMENT CONTROL PLAN	
ES-173	EROSION AND SEDIMENT CONTROL PLAN	
ES-174	EROSION AND SEDIMENT CONTROL PLAN	
ES-175	EROSION AND SEDIMENT CONTROL PLAN	
ES-176	EROSION AND SEDIMENT CONTROL PLAN	
ES-177	EROSION AND SEDIMENT CONTROL PLAN	
ES-178	EROSION AND SEDIMENT CONTROL PLAN	
ES-179	EROSION AND SEDIMENT CONTROL PLAN	
ES-180	EROSION AND SEDIMENT CONTROL PLAN	
ES-181	EROSION AND SEDIMENT CONTROL PLAN	
ES-182	EROSION AND SEDIMENT CONTROL PLAN	
ES-183	EROSION AND SEDIMENT CONTROL PLAN	
ES-184	EROSION AND SEDIMENT CONTROL PLAN	
ES-185	EROSION AND SEDIMENT CONTROL PLAN	
ES-186	EROSION AND SEDIMENT CONTROL PLAN	
ES-187	EROSION AND SEDIMENT CONTROL PLAN	
ES-188	EROSION AND SEDIMENT CONTROL PLAN	
ES-189	EROSION AND SEDIMENT CONTROL PLAN	
ES-190	EROSION AND SEDIMENT CONTROL PLAN	
ES-191	EROSION AND SEDIMENT CONTROL PLAN	
ES-192	EROSION AND SEDIMENT CONTROL PLAN	
ES-193	EROSION AND SEDIMENT CONTROL PLAN	
ES-194	EROSION AND SEDIMENT CONTROL PLAN	
ES-195	EROSION AND SEDIMENT CONTROL PLAN	
ES-196	EROSION AND SEDIMENT CONTROL PLAN	
ES-197	EROSION AND SEDIMENT CONTROL PLAN	
ES-198	EROSION AND SEDIMENT CONTROL PLAN	
ES-199	EROSION AND SEDIMENT CONTROL PLAN	
ES-200	EROSION AND SEDIMENT CONTROL PLAN	

12/6/17

Michael Baker International
MICHAEL BAKER INTERNATIONAL
8000 TOWNSHIP, PENNSYLVANIA

HICKS WELL PAD
CLAY DISTRICT, MARSHALL COUNTY
PREPARED FOR
CHEVRON APPALACHIA, LLC
800 MOUNTAIN VIEW DRIVE
SMITHFIELD, PA 15478

REVISION RECORD

NO.	DATE	DESCRIPTION
1	12/27/16	ISSUED FOR PERMITS
2		
3		
4		
5		
6		
7		
8		
9		
10		

COVER SHEET

Plan Number: 15478
Drawing Scale: AS SHOWN
Sheet Number: 01 OF 200
Water: Freshwater
Drawn By: JLT
Checked By: JLT
Project Manager: JLT

CS000

