



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

Thursday, October 11, 2018
WELL WORK PLUGGING PERMIT
Horizontal Plugging

CHEVRON APPALACHIA, LLC
700 CHERRINGTON PARKWAY

CORAOPOLIS, PA 15108

Re: Permit approval for STARCOVIC 1H
47-051-01288-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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:
Farm Name: STARCOVIC, STEPHEN
U.S. WELL NUMBER: 47-051-01288-00-00
Horizontal Plugging
Date Issued: 10/11/2018



PERMIT CONDITIONS

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

CONDITIONS

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

47-51-91388P
10/12/2018

WW-4B
Rev. 2/01

1) Date _____, 20____
2) Operator's _____
Well No. Starovic 1H
3) API Well No. 47-051 - 01258

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____ / Gas X / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production ____ or Underground storage ____) Deep ____ / Shallow ____

5) Location: Elevation 1186 Watershed Grave Creek
District Cameron County Marshall Quadrangle Cameron 7.5'

6) Well Operator Chevron Appalachia, LLC 7) Designated Agent _____
Address 700 Cherrington Parkway Address _____
Coraopolis, PA 15108

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name James Nicholson Name See Work Order
Address PO Box 44 Address _____
Moundsville, WV 26041

10) Work Order: The work order for the manner of plugging this well is as follows:
See Work Order

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WV Department of
Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Jim Nicholson Date 8/30/2018

47-051-01288 P
STARCOVIC 1H
10/12/2018



Susan Laird
Permitting Assistant, HES Permitting

WORK ORDER

September 10, 2018

WV DEP Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304

RE: Notice of Application to Plug and Abandon Starcovic 1H :

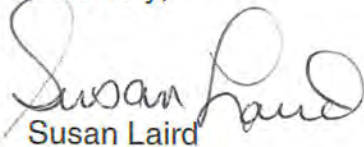
To whom it may concern:

This letter is to inform you that Chevron Appalachia, LLC is applying to the West Virginia D.E.P. for permits to Plug and Abandon Starcovic 1H :

As you are aware these wells were originally plugged in 2015 but we need to re-permit to complete removing facilities, reclaim the site and set the monuments.

If you have any questions or need additional information, please do not hesitate to contact Susan Laird at 412-865-2504 or via email slaird@chevron.com.

Sincerely,


Susan Laird

cc
Enclosures

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WV Department of
Environmental Protection

Appalachian Mountain Business Unit
Chevron North America Exploration and Production Company
700 Cherrington Parkway
Coraopolis, PA 15108
Tel 412-865-2504
slaird@chevron.com

WR-35

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

DATE: 06/14/2010
API#: 47-051-01288

Farm Name: Starcovic
Location Elev. (ft): 1186 KB'
District: Cameron

Operator Well #: 1H
Quadrangle: Cameron 7.5'
County: Marshall

LAT: 400 Ft South of: 39 Deg. 50 Min. 00 Sec.
LON: 275 Ft West of: 80 Deg. 35 Min. 00 Sec.

Company: AB RESOURCES
Address: 6802 W Snowville Rd. Suite E
Brecksville, OH 44141
Agent: CT Corporation System
Inspector: Tristan Jenkins
Date Permit Issued: 7/1/2009
Date Work Commenced: 8/24/2009
Date Well Completed: 12/22/2009
Verbal Plugging: _____
Date Perm. Granted: _____
Drill Type: ROTARY
 CABLE
 RIG
Total Depth (ft): 10430
Fresh Water Depth (ft): NA
Salt Water Depth (ft): NA
Active Coal Mining: YES NO
Coal Depths (ft): 857

Csg/Tbg Diam"	Used In Drilling	Left In Well	Cement Fill (ft ³)
13 ^{3/8}	1172	1172	1814
9 ^{5/8}	2495	2495	1474
5 ^{1/2}	10377	10377	1607

OPEN FLOW DATA

1st PRODUCING FORMATION: Marcellus PAY ZONE DEPTH (ft): 7028
 GAS: Init. Open Flow: 0 MCF/d OIL: Init. Open Flow: NA Bbl/d
 Final Open Flow: 7464 MCF/d Final Open Flow: NA Bbl/d
 Time of open flow between initial and final tests: 59 Hours
 ROCK Static Pressure: 2150 psig (surface pressure) after 59 Hours
 2nd PRODUCING FORMATION: NA PAY ZONE DEPTH (ft): NA
 GAS: Init. Open Flow: NA MCF/d OIL: Init. Open Flow: NA Bbl/d
 Final Open Flow: NA MCF/d Final Open Flow: NA Bbl/d
 Time of open flow between initial and final tests: NA Hours
 ROCK Static Pressure: NA psig (surface pressure) after NA Hours

Company Name: AB Resources
Signature: _____
Name (PRINT): James K. Wilson
Date: _____

Submit to:
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345
Phone: (304) 926-0450
Fax: (304) 926-0452

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SEP 11 2018
WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Starovic 1H
3) API Well No.: 47 - 051 - 01288

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name <u>Stephen M & Kimberly A Starovic</u>	Name _____
Address <u>RD 4 Box 152, 152 Loudenville Rd.</u>	Address _____
<u>Cameron, WV 25033</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consolidated Coal Company</u>
_____	Address <u>1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name <u>Stephen M & Kimberly A Starovic</u>
Address _____	Address <u>RD 4 Box 152, 152 Loudenville Rd.</u>
_____	<u>Cameron, WV 25033</u>
6) Inspector <u>James Nicholson</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 44</u>	Name _____
<u>Moundsville, WV 26041</u>	Address _____
Telephone <u>304-552-3874</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

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WV Department of
Environmental Protection

Well Operator Chevron Appalachia, LLC
 By: Jenny Butchko
 Its: Permitting Team Lead
 Address 700 Cherrington Parkway
Coraopolis, PA 15108
 Telephone 412-865-1533

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Denise Grandstaff, Notary Public
 Moon Twp., Allegheny County
 My Commission Expires Jan. 12, 2019
 PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 30th day of August 2018
Denise Grandstaff Notary Public
 My Commission Expires 1/12/19

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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.

SURFACE OWNER WAIVER

Operator's Well
Number

Starcovic 1H

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

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SEP 11 2018

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Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) 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.

Comments must be in writing. Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Stephen M. Starcovic
Signature

Date 9-4-18 Name _____
By _____
Its _____

Date

Signature

Date

WW-9
(4/16)

API Number 47 - 051 - 01288
Operator's Well No. 1H

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 Cameron, 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 _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. fresh water

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

Additives to be used in drilling medium? NA

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 - Permit #100172; South Hills Landfill - Permit # 100592

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

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FEB 22 2018
WV Department of
Environmental Protection

Commonwealth of Pennsylvania County of Allegheny
Subscribed and sworn before me this 15 day of February, 2018

Laura Savage
Notary Public

My commission expires 07/07/2018 September 17, 2018

Commonwealth of Pennsylvania - Notary Seal
Laura Savage, Notary Public
Allegheny County
My commission expires September 17, 2018
Commission number 1285773
Member, Pennsylvania Association of Notaries

Form WW-9

Operator's Well No. 1H

Chevron Appalachia, LLC

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer type _____

Fertilizer amount _____ lbs/acre

Mulch _____ Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre

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 Nicholas*

Comments: _____

Title: Oil & Gas Inspector

Date: 01/05/2018

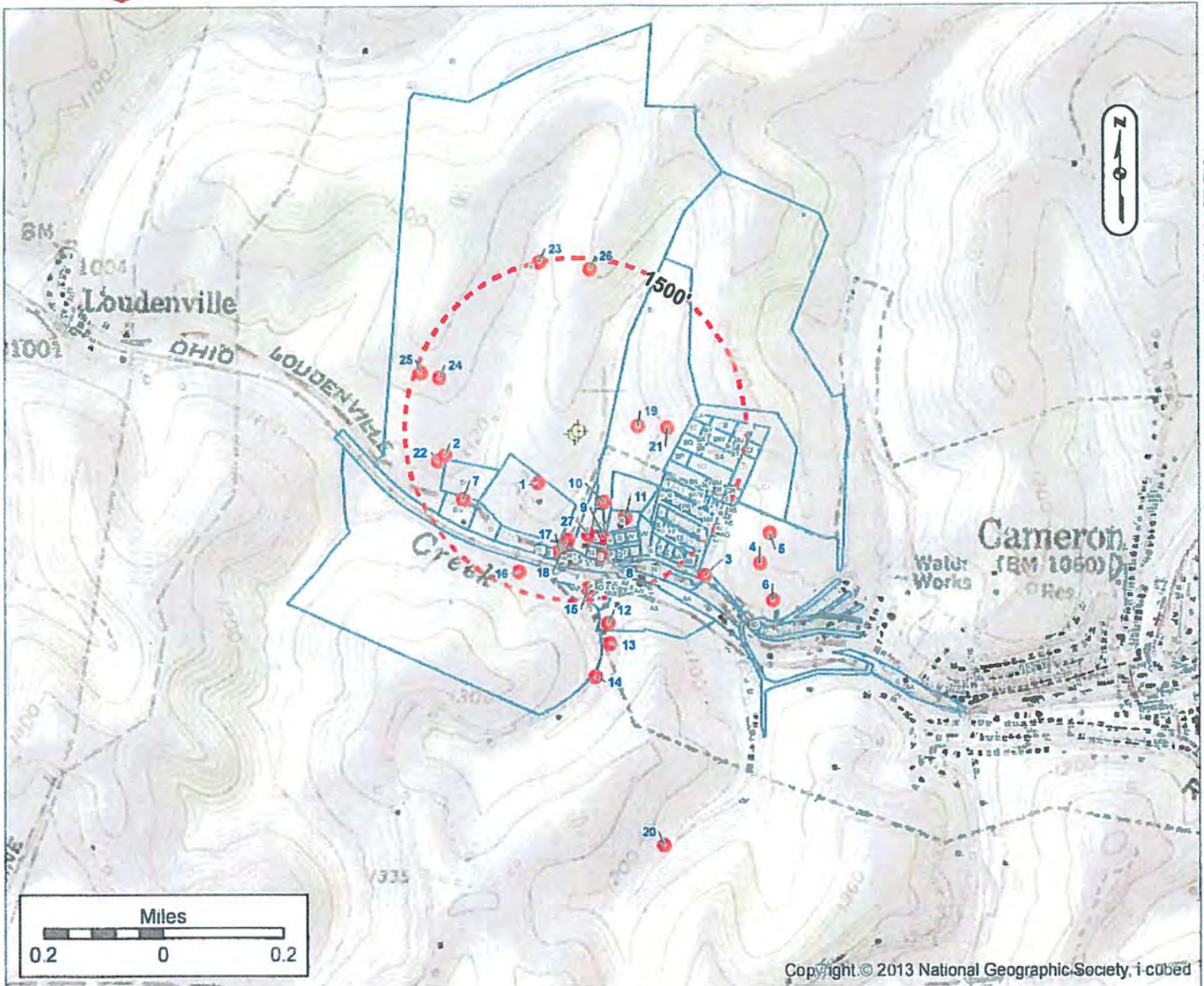
Field Reviewed? Yes No

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W.V. Department of
Environmental Protection



WATER SUPPLY EXHIBIT STARCOVIC PAD

51-012018
10/12/2018



LOT OWNERS

Lot	Owner	Parcel ID	Lot	Owner	Parcel ID	Lot	Owner	Parcel ID	Lot	Owner	Parcel ID
1	REYNOLDS SARA LDU	15-07 131 1000000000	16	CHERRY RICHARD W ET WIFE	15-02 100120000000	17	ANDERSON CAROL MAURINE	15-03 100100000000	18	LANPHER JERRY L ET WIFE	15-02 100100000000
2	CHAMBERS JANE L GUARD	15-07 131 1000000000	17	CHERRY RICHARD W ET WIFE	15-02 100120000000	18	ANDERSON CAROL MAURINE	15-03 100100000000	19	LANPHER JERRY L ET WIFE	15-02 100100000000
3	WELLS JAMES R & JUNE A	15-07 131 1000000000	18	CHERRY RICHARD W ET WIFE	15-02 100120000000	19	ANDERSON CAROL MAURINE	15-03 100100000000	20	LANPHER JERRY L ET WIFE	15-02 100100000000
4	WILLIAM CLIFORD	15-07 131 1000000000	19	CHERRY RICHARD W ET WIFE	15-02 100120000000	20	ANDERSON CAROL MAURINE	15-03 100100000000	21	LANPHER JERRY L ET WIFE	15-02 100100000000
5	STARCOVIC STEPHEN M & KIMBERLY	15-07 131 1000000000	20	CHERRY RICHARD W ET WIFE	15-02 100120000000	21	ANDERSON CAROL MAURINE	15-03 100100000000	22	LANPHER JERRY L ET WIFE	15-02 100100000000
6	LABINGTON PLACE PARTNERS	15-07 131 1000000000	21	CHERRY RICHARD W ET WIFE	15-02 100120000000	22	ANDERSON CAROL MAURINE	15-03 100100000000	23	LANPHER JERRY L ET WIFE	15-02 100100000000
7	PORTLEY REBA LAWRENCE	15-07 131 1000000000	22	CHERRY RICHARD W ET WIFE	15-02 100120000000	23	ANDERSON CAROL MAURINE	15-03 100100000000	24	LANPHER JERRY L ET WIFE	15-02 100100000000
8	STILL DAVID H	15-07 131 1000000000	23	CHERRY RICHARD W ET WIFE	15-02 100120000000	24	ANDERSON CAROL MAURINE	15-03 100100000000	25	LANPHER JERRY L ET WIFE	15-02 100100000000
9	SAMPSON ET WIFE TRUST ET UX	15-07 131 1000000000	24	CHERRY RICHARD W ET WIFE	15-02 100120000000	25	ANDERSON CAROL MAURINE	15-03 100100000000	26	LANPHER JERRY L ET WIFE	15-02 100100000000
10	STILL DAVID H	15-07 131 1000000000	25	CHERRY RICHARD W ET WIFE	15-02 100120000000	26	ANDERSON CAROL MAURINE	15-03 100100000000	27	LANPHER JERRY L ET WIFE	15-02 100100000000
11	ONE HANCOCK ISLAND TRUSTS	15-07 131 1000000000	26	CHERRY RICHARD W ET WIFE	15-02 100120000000	27	ANDERSON CAROL MAURINE	15-03 100100000000	28	LANPHER JERRY L ET WIFE	15-02 100100000000
12	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	27	CHERRY RICHARD W ET WIFE	15-02 100120000000	28	ANDERSON CAROL MAURINE	15-03 100100000000	29	LANPHER JERRY L ET WIFE	15-02 100100000000
13	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	28	CHERRY RICHARD W ET WIFE	15-02 100120000000	29	ANDERSON CAROL MAURINE	15-03 100100000000	30	LANPHER JERRY L ET WIFE	15-02 100100000000
14	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	29	CHERRY RICHARD W ET WIFE	15-02 100120000000	30	ANDERSON CAROL MAURINE	15-03 100100000000	31	LANPHER JERRY L ET WIFE	15-02 100100000000
15	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	30	CHERRY RICHARD W ET WIFE	15-02 100120000000	31	ANDERSON CAROL MAURINE	15-03 100100000000	32	LANPHER JERRY L ET WIFE	15-02 100100000000
16	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	31	CHERRY RICHARD W ET WIFE	15-02 100120000000	32	ANDERSON CAROL MAURINE	15-03 100100000000	33	LANPHER JERRY L ET WIFE	15-02 100100000000
17	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	32	CHERRY RICHARD W ET WIFE	15-02 100120000000	33	ANDERSON CAROL MAURINE	15-03 100100000000	34	LANPHER JERRY L ET WIFE	15-02 100100000000
18	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	33	CHERRY RICHARD W ET WIFE	15-02 100120000000	34	ANDERSON CAROL MAURINE	15-03 100100000000	35	LANPHER JERRY L ET WIFE	15-02 100100000000
19	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	34	CHERRY RICHARD W ET WIFE	15-02 100120000000	35	ANDERSON CAROL MAURINE	15-03 100100000000	36	LANPHER JERRY L ET WIFE	15-02 100100000000
20	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	35	CHERRY RICHARD W ET WIFE	15-02 100120000000	36	ANDERSON CAROL MAURINE	15-03 100100000000	37	LANPHER JERRY L ET WIFE	15-02 100100000000
21	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	36	CHERRY RICHARD W ET WIFE	15-02 100120000000	37	ANDERSON CAROL MAURINE	15-03 100100000000	38	LANPHER JERRY L ET WIFE	15-02 100100000000
22	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	37	CHERRY RICHARD W ET WIFE	15-02 100120000000	38	ANDERSON CAROL MAURINE	15-03 100100000000	39	LANPHER JERRY L ET WIFE	15-02 100100000000
23	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	38	CHERRY RICHARD W ET WIFE	15-02 100120000000	39	ANDERSON CAROL MAURINE	15-03 100100000000	40	LANPHER JERRY L ET WIFE	15-02 100100000000
24	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	39	CHERRY RICHARD W ET WIFE	15-02 100120000000	40	ANDERSON CAROL MAURINE	15-03 100100000000	41	LANPHER JERRY L ET WIFE	15-02 100100000000
25	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	40	CHERRY RICHARD W ET WIFE	15-02 100120000000	41	ANDERSON CAROL MAURINE	15-03 100100000000	42	LANPHER JERRY L ET WIFE	15-02 100100000000
26	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	41	CHERRY RICHARD W ET WIFE	15-02 100120000000	42	ANDERSON CAROL MAURINE	15-03 100100000000	43	LANPHER JERRY L ET WIFE	15-02 100100000000
27	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	42	CHERRY RICHARD W ET WIFE	15-02 100120000000	43	ANDERSON CAROL MAURINE	15-03 100100000000	44	LANPHER JERRY L ET WIFE	15-02 100100000000
28	C. ANNUNCIATA LARRY & VENETA M	15-07 131 1000000000	43	CHERRY RICHARD W ET WIFE	15-02 100120000000	44	ANDERSON CAROL MAURINE	15-03 100100000000	45	LANPHER JERRY L ET WIFE	15-02 100100000000

Surface Owner: STEPHEN M. & KIMBERLY STARCOVIC
 Oil/Gas Owner: STEPHEN M. & KIMBERLY STARCOVIC
 Well Operator: CHEVRON APPALACHIA, LLC
 Address: 700 CHERRINGTON PARKWAY
CORAOPOLIS, PA 15108
 Phone: 724-564-3700

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

RECEIVED
 Office of Oil and Gas
 FEB 22 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

Well is located on topo map 367 feet south of Latitude: 39° 50' 00"

GAS LESSORS		
TAX MAP#	PARCEL#	OIL & GAS ROYALTY OWNERS
15	5	GERALD BLAKE
15	11	STEPHEN STARCOVIC
15	12	JERRY SAMPSON

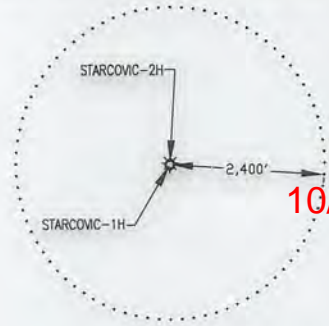


NOTES:

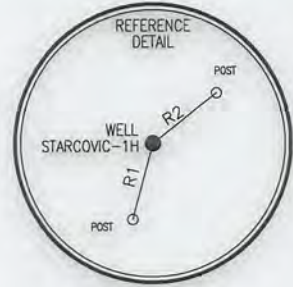
1. There are no dwellings within 200' of proposed well.
2. Proposed well is greater than 100' from the mineral line
3. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

LEGEND
(WELLS WITHIN 2,400')

- ☀ - ACTIVE
- ⊙ - ABANDONED
- ⊛ - PLUGGED
- - NEVER DRILLED
- ⊕ - UNDER CONSTRUCTION
- ⊖ - NEW WELL

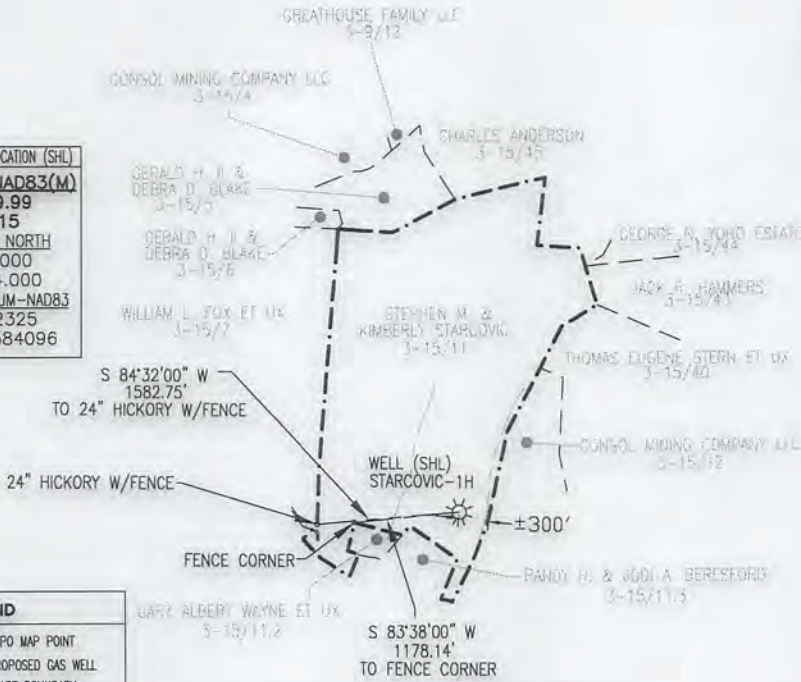


10/12/2018



SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
N:4409229.99
E:535588.15
NAD 27, WV NORTH
N:487075.000
E:1695494.000
LAT/LON DATUM-NAD83
LAT:39.832325
LON:-80.584096



LEGEND

- ⊕ - TOPO MAP POINT
- ☀ - PROPOSED GAS WELL
- - - LEASE BOUNDARY
- - - SURFACE BOUNDARY
- - - WELL REFERENCE
- - - WELL TIE LINE
- - - STREAM
- (SHL) - SURFACE HOLE LOCATION

REFERENCE LINES

LINE	BEARING	DISTANCE
R1	S 15°00'00" W	157.90'
R2	N 52°00'00" E	163.40'

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

Well is located on topo map 214 feet west of Longitude: 80° 35' 00"

FILE #: STARCOVIC 1H
DRAWING #: STARCOVIC 1H
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

GEORGE D. SIX
LICENSED
No. 2000
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: 07 AUGUST 2018
OPERATOR'S WELL #: STARCOVIC 1H
API WELL #: 47 051 01288
STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1168.2'
COUNTY/DISTRICT: MARSHALL/CAMERON QUADRANGLE: CAMERON, WV 7.5'
SURFACE OWNER: STEPHEN M. & KIMBERLY STARCOVIC ACREAGE: 168.0±
OIL & GAS ROYALTY OWNER: STEPHEN STARCOVIC ACREAGE: 168.0±

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

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