



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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Friday, November 03, 2017
WELL WORK PERMIT
Vertical / Plugging

CARPENTER, BRYAN H.
809 5TH ST.

ST. MARYS, WV 26170

Re: Permit approval for 4707390295 Walter S. Carpenter No. 1
47-073-02571-00-00

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: 4707390295 Walter S. Carpenter No. 1
Farm Name: Carpenter Heirs
U.S. WELL NUMBER: 47-073-02571-00-00
Vertical / Plugging
Date Issued: 11/03/2017

Promoting a healthy environment.

11/03/2017

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.

4707302571P
1) Date 11/02, 2017
2) Operator's Well No. Walter S. Carpenter No. 1
3) API Well NO. 47-073 - 02571
PREVIOUS API 47-073-90295

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 X / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 625' Watershed Ohio
District Washington County Pleasants Quadrangle Raven Rock

6) Well Operator Bryan H. Carpenter 7) Designated Agent Bryan H. Carpenter
Address 809 5th Street Address 809 5th Street
St. Marys, WV 26170 St. Marys, WV 26170

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Dave Scranage Name Hydrocarbon Well Service
Address Phone 304-380-3749 Address 304-472-9600

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

See Attached Sheet

FOR
PLUGGING PROGNOSIS

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

Work order approved by inspector DAVE SCRANAGE Date 11/02/2017

11/03/2017

Plugging Prognosis
 Well# Unknown
 Farm Name: W.S. Carpenter
 Pleasants Co., WV
 Well Assigned # 47-073-90295
 Coordinates: 481542 E 4359601 N

Date: 9/29/17

Current Status:

No Records

Visually you can see:

Rods, 2" Tubing, 6 5/8" Casing

TD: Unknown (estimating 1300')

800' OF 8"

1100' OF 6 1/4"

1300' OF 2" TUBING & RODS

Fresh Water @ Unknown' Coal @ Unknown
 Gas Shows @ Unknown

1. Notify Oil and Gas Inspector Cragin Blevins @ (304) 382-5933 and Inspector Specialist, David Scranage @ (304) 380-3749 and 48 hrs. prior to commencing operations.
2. MIRU plugging equipment, check pressure. Install cellar around wellhead for containment purposes.
3. Blow down well into steel above ground pit. Trip out rods and tubing.
4. Run in cable tools to TD, notify Inspector of TD Trip in hole with work string and set a minimum of 100' cement plug from TD back to approximately 1100' tag cement plug and run approximately a 425' gel spacer.
5. Run bond log inside casing, free point casing and cut, rip or perforate casing @ 624' and 350' if no free point found below 350' and at free point if shallower.
6. TIH with working string to 675' and set a 100' cement plug from approximately 675' to 575' TOH with working string.
7. TIH tag cement plug and run approximately 175' gel spacer.
8. TOH with working string to 400' and set a minimum 100' cement plug from 400' to 300' and TOH.
9. TIH tag plug and set 200' gel spacer pull free pipe to 100'.

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4707302571P

10. TIH with working string and set a minimum of 100' cement plug TOH.
11. Pull remaining free pipe.
12. Set monument with API attached
13. Reclaim location and road to WV-DEP specifications.

Note: Well plugging prognosis may vary due to unknown well bore conditions and changes made will be approved by inspector.

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WW-4A
Revised 6-07

1) Date: 11/02/2017
2) Operator's Well Number
Walter S. Carpenter No. 1
3) API Well No.: 47 - 073 - 02571

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

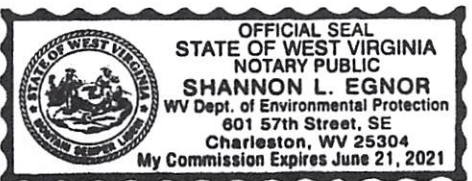
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Walter S. Carpenter, Estate</u>	Name <u>N/A</u>
Address <u>C/O Bryan H. Carpenter</u>	Address _____
<u>809 5th Street, St. Marys, WV 26170</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Dave Scranage</u>	(c) Coal Lessee with Declaration
Address <u>Inspector Specialist</u>	Name <u>N/A</u>
_____	Address _____
Telephone <u>304-380-3749</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 totake 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.



Well Operator Carpenter, Bryan H.
 By: *Bryan H Carpenter*
 Its: owner
 Address 809 5th Street
St. Marys, WV 26170
 Telephone 304-684-3060

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Subscribed and sworn before me this second day of November
Shannon Egnor Notary Public
My Commission Expires June 21, 2021

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 depprivacyoffier@wv.gov. 11/03/2017

SURFACE OWNER WAIVER

4707302571P

Operator's Well
Number

Walter S. Carpenter No. 1

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

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,
Office of Oil and Gas

[Handwritten Signature]
Signature



Name _____
By *[Handwritten Signature]* _____
Its _____
Date NOV 2 2017
Signature _____ Date 11/03/2017
WV Department of Environmental Protection

WW-9
(5/16)

4707302571P
API Number 47 - 073 - 02571
Operator's Well No. CARPENTER No. 1

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Bryan H. Carpenter OP Code ID No. 494520808

Watershed (HUC 10) Ohio Quadrangle Raven Rock

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

ANY WELL EFFLUENT WILL BE CONTAINED IN TANKS AND DISPOSED OFFSITE, PROPERLY. JAWM

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:

- NO Land Application (if selected provide a completed form WW-9-GPP)
- / 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: n/a

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. n/a

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

Additives to be used in drilling medium? n/a

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. n/a

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

-Landfill or offsite name/permit number? _____

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 April 1, 2016, 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 *Bryan H. Carpenter*

Company Official (Typed Name) Bryan H. Carpenter

Company Official Title owner

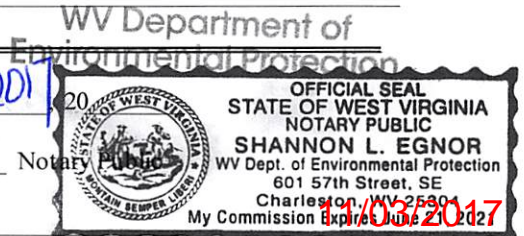
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Subscribed and sworn before me this second day of November 2017

Shannon Egnor

My commission expires June 21, 2021



Proposed Revegetation Treatment: Acres Disturbed less than 1 Prevegetation pH Unknown

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Fescue	40
Landino Clover	5

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, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

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Comments: _____

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Title: _____

Date: _____

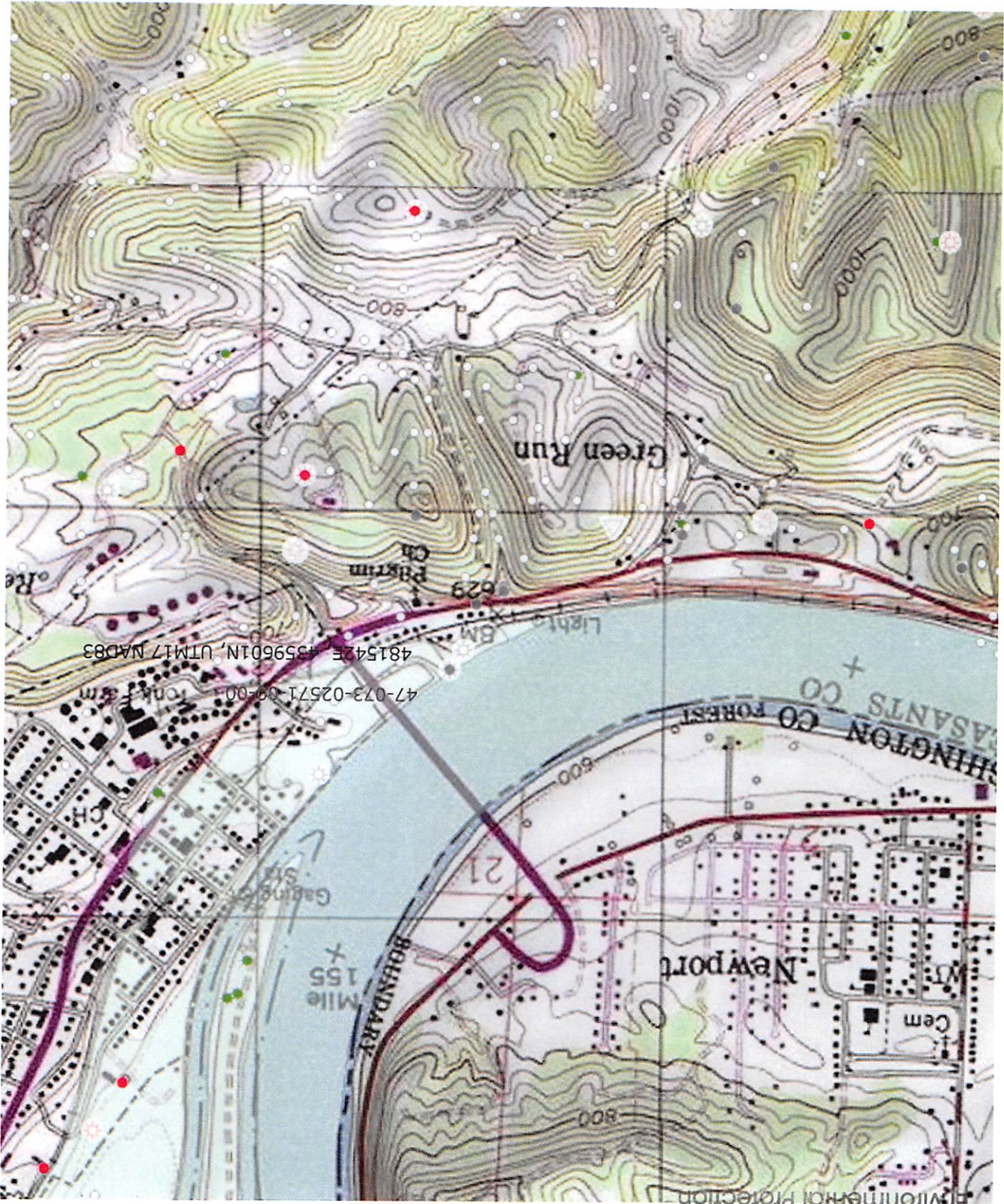
Field Reviewed? () Yes () No

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WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-073-02571 WELL NO.: Carpenter 1

FARM NAME: Walter S. Carpenter

RESPONSIBLE PARTY NAME: Bryan H. Carpenter

COUNTY: Pleasants DISTRICT: Washington

QUADRANGLE: Raven Rock

SURFACE OWNER: Carpenter Heirs

ROYALTY OWNER: Walter S. Carpenter, estate

UTM GPS NORTHING: 4359601

UTM GPS EASTING: 481542 GPS ELEVATION: 625'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____
Mapping Grade GPS X : Post Processed Differential ____
Real-Time Differential X

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4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

DAVE SCRANAGE OO&G INSPECTOR SPECIALIST 11/2/2017
Signature farm Title Date

11/03/2017

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