



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

Tuesday, August 14, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

ANGEL, JACK M

Re: Permit approval for 2A
47-107-01137-00-00

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: 2A
Farm Name: HOBLITZEL, RICHARD
U.S. WELL NUMBER: 47-107-01137-00-00
Vertical Plugging
Date Issued: 8/14/2018

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.

1) Date 6-15, 2018
2) Operator's Well No. 2-A
3) API Well No. 47-107-01137P

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 X or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 660 Watershed Union Williams
District Williams County WOOD Quadrangle Valley Mills / Merietta

6) Well Operator Jack M. Angel 7) Designated Agent Jack M. Angel
Address Rt 2 Box 110 Address Rt 2 Box 110
Williamstown WV. 26187 Williamstown WV. 26187

8) Oil and Gas Inspector to be notified Name Joe Taylor
Address 1478 claylick Rd.
Ripley WV. 25271
9) Plugging Contractor Name _____
Address _____

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

- Run in the hole with 2 3/8" tubing to 3,000'
- Gel the hole
- Cement from 3,000' to 2,500'
- Pull the tubing
- ★ Free point and cut the 4 1/2" casing at @ cement top at 2,300'
- After cutting the 4 1/2" cement through the 4 1/2"
- Cement from 2,300' to 2,150'
- Cement from 2,050' to 1,950'
- Cement from 1,850' to 1,750'
- Cement from 900' to 750'
- Cement from 100' to the surface
- Erect a monument with the API number attached

★ IT APPEARS THAT 4 1/2" MAY BE CEMENTED TO SURFACE. IF IT CAN BE CORROBORATED, PLUGGING MAY COMMENCE WITHOUT CUTTING 4 1/2".
USE TUBING STRING TO CEMENT THROUGH AND LEAVE 8 5/8" IN HOLE.

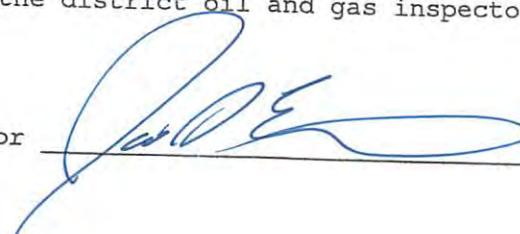
J. Miller

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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 

Date 8-1-18

FORM IV-35
(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated: 3012, 3010, 3008, 2901, 03,05,07,09,19,20,84,86,90, 2742,46,62,64,66 70-
2230, 32,34,36,50,52,53,54,55,57,58, 60 -1920,21,22,23,24 and 25
(47 holes)

Fractured -2500 gal 15% acid, 80,000 lbs 20/40 sand, 684 bbl KCL water, 1,176,000 SCF N²

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|--------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Shale | | | 1480' | 1700 | water |
| Wier | | | 1813 | 1819 | |
| Berea | | | 1908 | 1918 | |
| Gantz | | | 2022 | 2039 | |
| Fifty Foot | | | 2091 | 2109 | |
| Thirty Foot | | | 2223 | 2234 | |
| Gordon Stray | | | 2347 | 2356 | |
| Gordon | | | 2361 | 2371 | |
| Shale | | | 2372 | 3046 | |

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(Attach separate sheets as necessary)

L & B Oil Company, Inc.

Well Operator

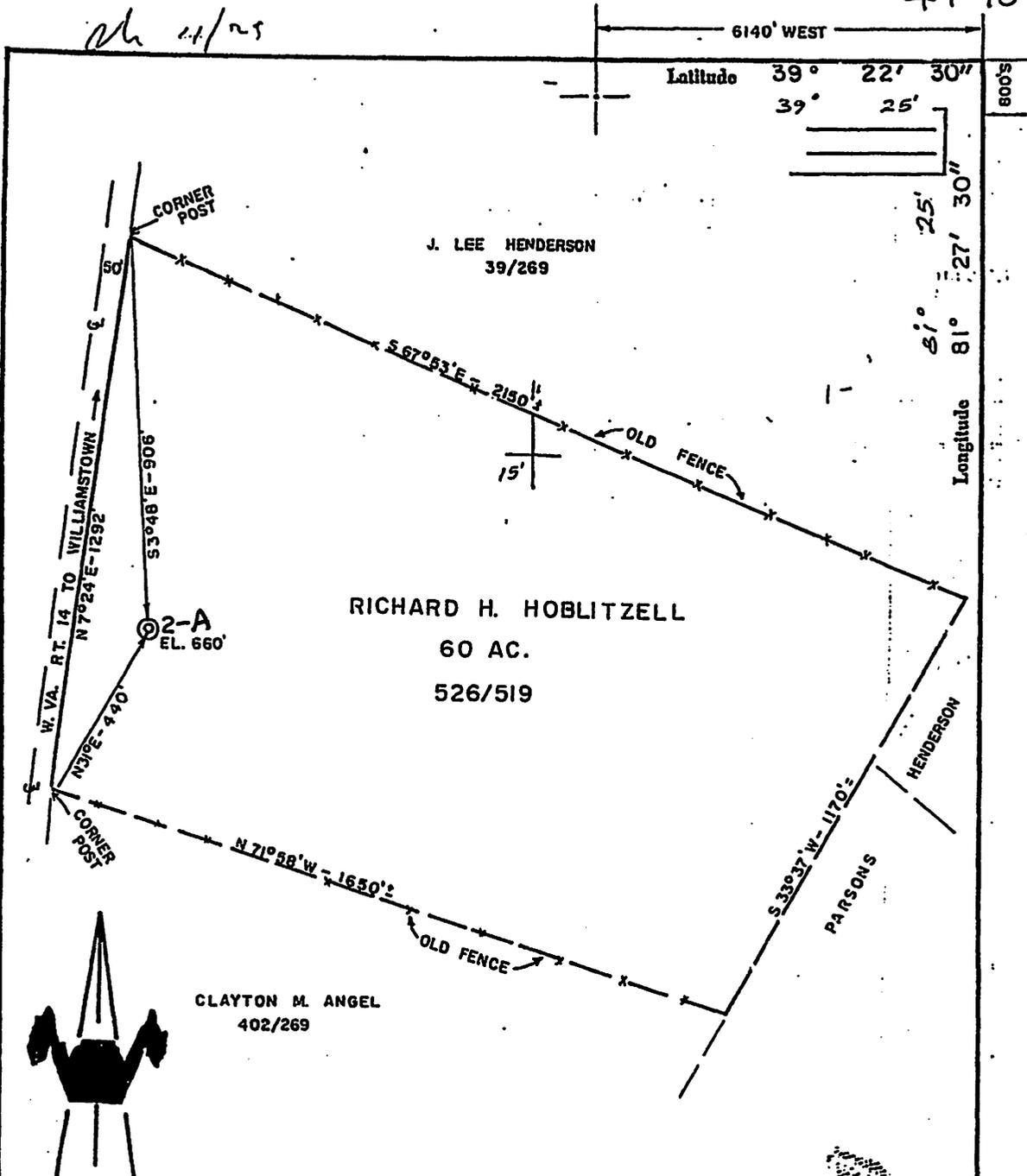
By: *Loren E. Bagley*
Loren E. Bagley

Date: September 10, 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

08/17/2018

dh 11/25



ACCURACY: 1/200
 New Location LOST HOLE
 Drill Deeper SKID RIG
 Abandonment
 Fracture
 Redrill
 Other _____

Formation SHALE Oil
 Est. Depth 2500' Gas
 Other _____
 Source of Elevation U.S.G.S. B.M. ELEVATION (668')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

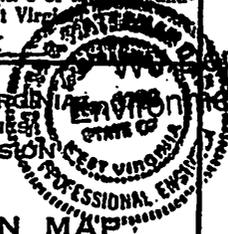
Company CARBONIT EXPLORATION, INC.
 Address PARKERSBURG, WV
 Surface Owner RICHARD H. HOBLITZELL
 Mineral Owner RICHARD H. HOBLITZELL
 Well No. 2 Acres 60
 Elevation 660'
 Quadrangle VALLEY MILLS Series 7.5'
 County WOOD District WILLIAMS
 Date 4/13/81 Scale 1" = 300'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 47 - 107 - 1137 - Rev.
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 81-184

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Department of Environmental Protection

08/17/2018

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 1000-1037-5K1d

Oil or Gas Well _____
WIND _____

Company Carbont Exploration
 Address _____
 Farm Hobbitzall
 Well No. 2
 District Williams County Wood
 Drilling commenced 4-15-81
 Drilling completed _____ Total depth _____
 Date shut _____ Depth of shut _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu Ft.
 Rock pressure _____ lbs _____ hrs.
 Oil _____ bbla., 1st 24 hrs.
 Fresh water 35 feet _____ feet
 Salt water 395 feet 700 feet

CASING AND TUBING USED IN DRILLING Left in Well PACKERS
 Size _____
 16 _____ Kind of Barker _____
 14 _____
 10 10 3/4 _____ 2 1/4 Size of _____
 8 1/2 _____
 6 1/2 _____ Depth set _____
 5 3/16 _____
 3 _____ Perf. top _____
 2 _____ Perf. bottom _____
 Liners Used _____ Perf. top _____
 _____ Perf. bottom _____

CASING CEMENTED 10 3/4 SIZE 2 1/4 No. FT. _____ Date _____
 NAME OF SERVICE COMPANY Halliburton

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES

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MAY - 5 1981

Drillers' Names Wood -
C & W Drilling Co. Braden

Remarks: Gene Stalman Inc Drilled the first hole to 250' & missed

This location has been missed 50' 5-8

144-700'

5-1-81
DATE

William J. Wood 505
DISTRICT WELL INSPECTOR



"Pipeline"

Select County: (107) Wood Select datatypes: (Check All)

Enter Permit #: 01137

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc.

Get Data Reset

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 107 Permit = 01137

Report Time: Friday, June 15, 2018 12:01:50 PM

Location Information: [View Map](#)

| API | COUNTY | PERMIT | TAX_DISTRICT | QUAD_75 | QUAD_15 | LAT_DD | LONG_DD | UTME | UTMN |
|------------|--------|--------|--------------|--------------|----------|-----------|------------|----------|-----------|
| 4710701137 | Wood | 1137 | Williams | Valley Mills | Marietta | 39.373624 | -81.479664 | 458684.3 | 4358349.1 |

There is no Bottom Hole Location data for this well

Owner Information:

| API | CMP_DT | SUFFIX | STATUS | SURFACE_OWNER | WELL_NUM | CO_NUM | LEASE | LEASE_NUM | MINERAL_OWN | OPERATOR_AT_COMPLETION | PROP_VD | PROP_TRGT_FM | TFM_EST |
|------------|----------|--------------|-----------|--------------------------|----------|--------|-------|-----------|-------------|------------------------|---------|--------------|---------|
| 4710701137 | 6/4/1981 | Original Loc | Completed | Richard H Hoblitzell 2-A | | | | | | Neva Petroleum Corp. | | | |

Completion Information:

| API | CMP_DT | SPUD_DT | ELEV DATUM | FIELD | DEEPEST_FM | DEEPEST_FMT | INITIAL_CLASS | FINAL_CLASS | TYPE | RIG | CMP_MTHD | TVD | TMD | NEW_FTG | KOD | G_E |
|------------|----------|-----------|------------------|-------|----------------------|----------------------|------------------|--------------|------|--------|-----------|------|-----|---------|-----|-----|
| 4710701137 | 6/4/1981 | 4/14/1981 | 660 Ground Level | Boaz | UDev undf:Ber/LoHURN | UDev undf:Ber/LoHURN | Development Well | Unsuccessful | Dry | Rotary | Acid+Frac | 3046 | | 3046 | | |

Pay/Show/Water Information:

| API | CMP_DT | ACTIVITY | PRODUCT | SECTION | DEPTH_TOP | FM_TOP | DEPTH_BOT | FM_BOT | G_BEF | G_AFT | O_BEF | O_AFT | WATER_QNTY |
|------------|----------|----------|---------------|----------|-----------|--------|-----------|--------|-------|-------|-------|-------|------------|
| 4710701137 | 6/4/1981 | Water | Fresh Water | Vertical | | | 80 | | | | | | 0 |
| 4710701137 | 6/4/1981 | Water | Unknown Water | Vertical | | | 1480 | | | | | | 0 |

Production Gas Information: (Volumes in Mcf)

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_GAS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 4710701137 | Neva Petroleum Corp. | 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4710701137 | American Petroel, Inc. | 1992 | 290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140 150 |
| 4710701137 | American Petroel, Inc. | 1993 | 818 | 33 | 0 | 52 | 76 | 82 | 93 | 95 | 98 | 80 | 83 | 64 | 62 |
| 4710701137 | American Petroel, Inc. | 1994 | 919 | 39 | 43 | 60 | 35 | 77 | 92 | 88 | 92 | 98 | 34 | 197 | 64 |
| 4710701137 | American Petroel, Inc. | 1995 | 1,445 | 97 | 64 | 103 | 121 | 124 | 154 | 166 | 133 | 85 | 138 | 115 | 145 |
| 4710701137 | American Petroel, Inc. | 1996 | 60 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_OIL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|------------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4710701137 | Neva Petroleum Corp. | 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4710701137 | American Petroel, Inc. | 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4710701137 | American Petroel, Inc. | 1993 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 |
| 4710701137 | American Petroel, Inc. | 1994 | 42 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4710701137 | American Petroel, Inc. | 1995 | 35 | | | 35 | | | | | | | | | |
| 4710701137 | American Petroel, Inc. | 1996 | 65 | 37 | | | | | | | | | | | 28 |

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

| API | SUFFIX | FM | FM_QUALITY | DEPTH_TOP | DEPTH_QUALITY | THICKNESS | THICKNESS_QUALITY | ELEV DATUM |
|------------|--------------|----------------------|-------------|-----------|---------------|-----------|-------------------|------------------|
| 4710701137 | Original Loc | Weir | Well Record | 1813 | Reasonable | 3 | Reasonable | 660 Ground Level |
| 4710701137 | Original Loc | Berea Ss | Well Record | 1908 | Reasonable | 10 | Reasonable | 660 Ground Level |
| 4710701137 | Original Loc | UDev undf:Ber/LoHURN | Well Record | 1918 | Reasonable | 0 | Reasonable | 660 Ground Level |
| 4710701137 | Original Loc | Gantz | Well Record | 2022 | Reasonable | 17 | Reasonable | 660 Ground Level |
| 4710701137 | Original Loc | Fifty-foot | Well Record | 2091 | Reasonable | 18 | Reasonable | 660 Ground Level |
| 4710701137 | Original Loc | Gordon | Well Record | 2223 | Reasonable | 11 | Reasonable | 660 Ground Level |

Wireline (E-Log) Information:

| API | LOG_TOP | LOG_BOT | DEEPEST_FML | LOGS_AVAIL | SCAN | DIGITIZED | GR_TOP | GR_BOT | D_TOP | D_BOT | N_TOP | N_BOT | I_TOP | I_BOT | T_TOP | T_BOT | S_TOP | S_BOT | O_TOP | O_BOT |
|------------|---------|---------|-------------|------------|------|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4710701137 | 1570 | 3012 | | * | Y | N | | | | | | | | | | | | | 1570 | 3012 |

Comment: *logs:ultra sonic gas detectors

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)

geologic log types:

- d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
- e photoelectric adsorption (PE or Pe, etc.)
- g gamma ray
- i induction (includes dual induction, medium induction, deep induction, etc.)
- l laterolog
- m dipmeter
- n neutron (includes neutron porosity, sidewall neutron-SWN, etc.)
- o other¹
- s sonic or velocity
- t temperature (includes borehole temperature, BHT, differential temperature, etc.)
- z spontaneous potential or potential

mechanical log types:

- b cement bond
- c caliper
- o other¹
- p perforation depth control or perforate

¹other logs may include, but are not limited to, such curves as audio, bit size, CCL-casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL-Nuclear Cement Top Locator, radioactive tracer, tension

FILENAME
4710701137o.tif

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WV Department of
Environmental Protection

There is no Plugging data for this well

There is no Sample data for this well

1) Date: 6-15-2018
2) Operator's Well Number 2-A
3) API Well No.: 47 - 107 - 011379

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>Kraig & Gory Moore</u> | Name <u>N/A</u> |
| Address <u>719 Old River Rd.</u> | Address _____ |
| <u>Williamstown W.V. 26187</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>N/A</u> |
| _____ | Address _____ |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| 6) Inspector <u>Joe Taylor</u> | (c) Coal Lessee with Declaration |
| Address <u>1478 Claylick Rd.</u> | Name <u>N/A</u> |
| <u>Ripley W.V. 25271</u> | Address _____ |
| Telephone <u>304-380-7469</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.

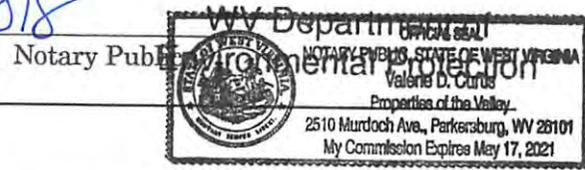
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

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.

Well Operator Jack M. Angel
 By: Jack M. Angel
 Its: owner
 Address Rt 2 Box 110
Williamstown W.V. 26187
 Telephone 304-916-5626

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Office of Oil and Gas
AUG 02 2018

Subscribed and sworn before me this 31st day of July, 2018
Valerie D. Curtis
My Commission Expires May 17, 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 depprivacyofficer@wv.gov.

08/17/2018

SURFACE OWNER WAIVER

Operator's Well
Number

47-107-01137 P 2-A

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.

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Office of Oil and Gas
AUG 02 2018

VOLUNTARY STATEMENT OF NO OBJECTION

WV Department of
Environmental Protection

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,

Jama M Moore Signature Date July 31-18 Name Moore and Jay By Jama M Moore Its Jama M Moore

Jama M Moore Signature Date July 31-18 08/17/2018 Date July 31-18

WW-9
(5/16)

API Number 47 - 107 - 01137P
Operator's Well No. 2-A

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

Operator Name Jack M. Angel OP Code _____

Watershed (HUC 10) Union Williams Quadrangle Valley Mills

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 (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 200392210)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain plugging will be collected in a steel tank and hauled to disposal.)

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) N/A

-Landfill or offsite name/permit number? N/A

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 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 Jack M. Angel

Company Official (Typed Name) Jack M. Angel

Company Official Title owner

Subscribed and sworn before me this 31st day of July, 20 18

Valerie D. Curtis Valerie D. Curtis Notary Public

My commission expires May 17, 2021

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Office of Oil and Gas
AUG 02 2018
WV Department of
Environmental Protection



Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10/10/10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Pasture mix

Pasture mix

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: Joseph D. Taylor



Comments:

Must call 24 hours before work begins.

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WV Department of
Environmental Protection

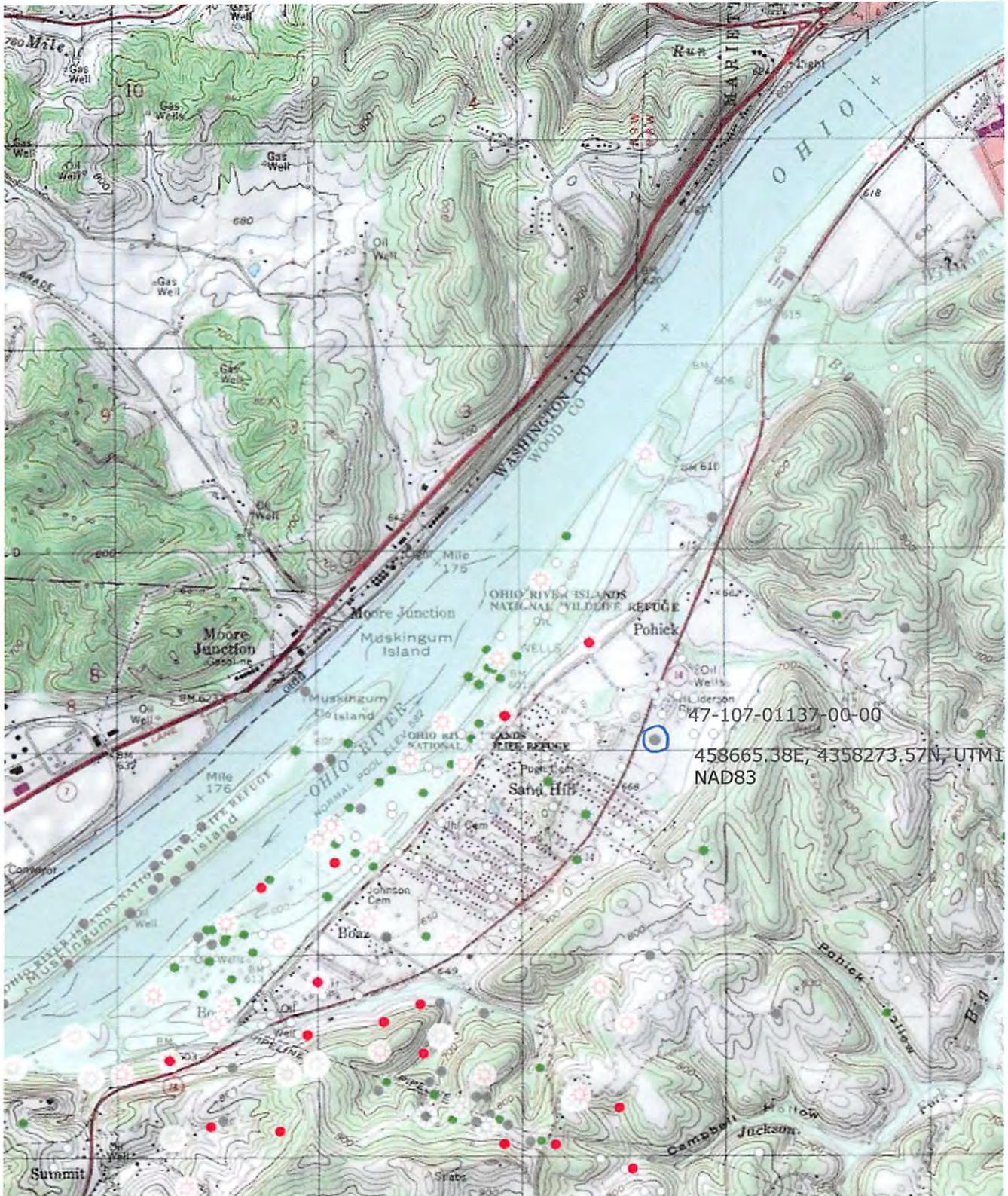
Title: OOG Inspector

Date: 8-1-18

Field Reviewed? Yes

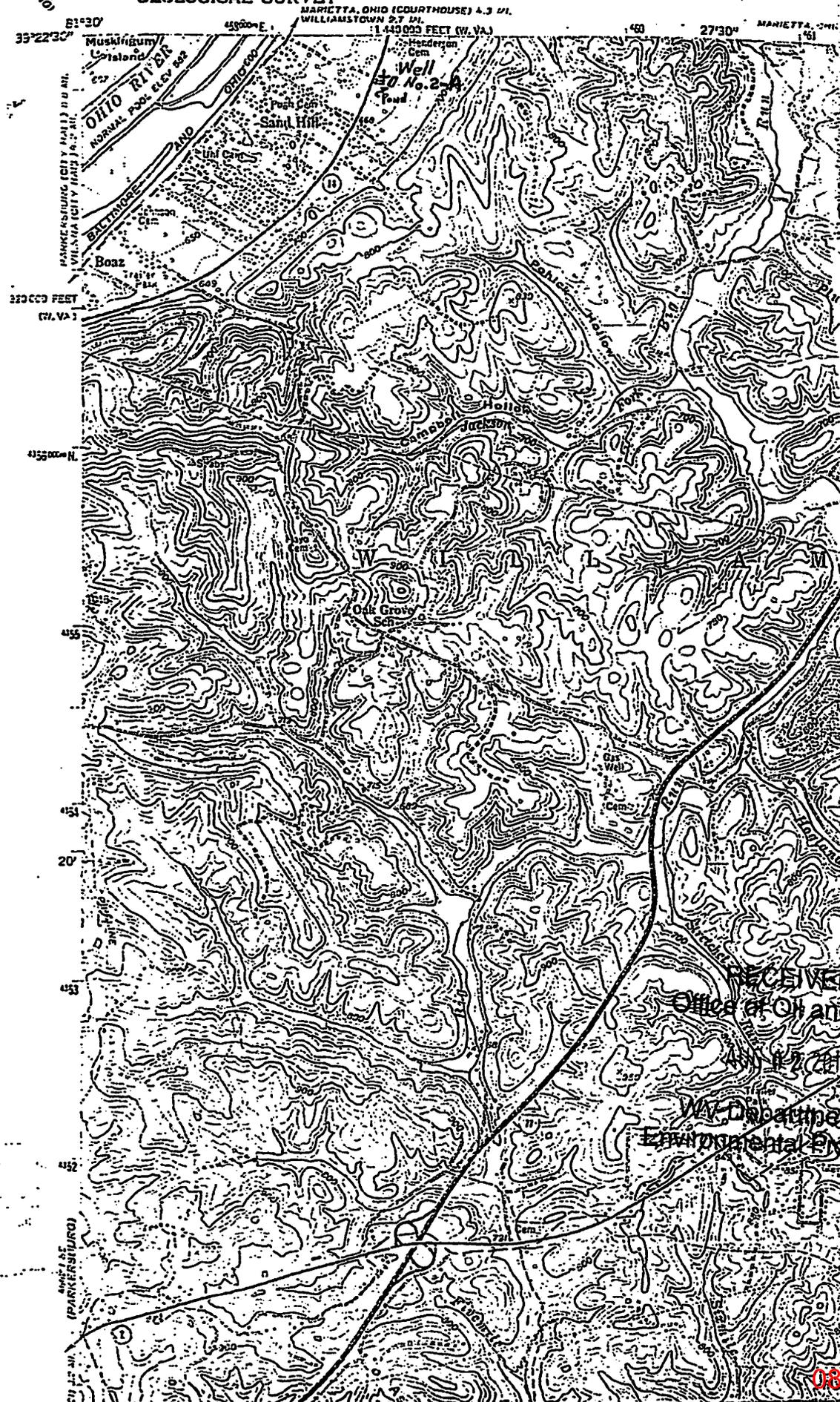
No

47-107-01137P



08/17/2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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U.S. DEPARTMENT OF ENVIRONMENTAL PROTECTION

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-107-01137 WELL NO.: 2-A

FARM NAME: Richard H. Hoblitzell

RESPONSIBLE PARTY NAME: _____

COUNTY: WOOD DISTRICT: Williams

QUADRANGLE: Valley Mills / Merietta

SURFACE OWNER: Tania and Gary Moore

ROYALTY OWNER: Tania and Gary Moore

UTM GPS NORTHING: 435 8273.6

UTM GPS EASTING: 458 665.4 GPS ELEVATION: 660

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:

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

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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.

[Signature] owner/operator 7/31/18
Signature Title Date