



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

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Thursday, December 08, 2016
WELL WORK PERMIT
Vertical / Plugging - 2

NNE RESOURCES LLC
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 2
47-061-00448-00-00

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: 2
Farm Name: WALKER, J. S.
U.S. WELL NUMBER: 47-061-00448-00-00
Vertical / Plugging - 2
Date Issued: 12/8/2016

Promoting a healthy environment.

12/09/2016

PERMIT CONDITIONS

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

CONDITIONS

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

1) Date July 18th, 2016
2) Operator's
Well No. J.S. Walker 2
3) API Well No. 47-051 - 00448

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 X

5) Location: Elevation 1379' feet Watershed Dunkard Creek
District Clay-3 County Monongalia Quadrangle Blacksville 7.5'-254

6) Well Operator NNE Resources LLC 7) Designated Agent Zack Arnold
Address 707 Virginia Street East, Suite 1200 Address 48 Donley Street, Suite 601
Charleston, WV 25301 Morgantown, WV 26501

8) Oil and Gas Inspector to be notified Name Gayne Knitowski
Address P.O. Box 2
Moundsville, WV 26041
9) Plugging Contractor Name TBD
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:
Ensure all necessary erosion and sediment control devices are in place.
Perform necessary earth work to establish access and work area for rig and equipment.
RIH with open ended tubing to determine PBTD.
Attempt to remove all casing by pulling a minimum of 150% of casing string weight.
If casing will not pull out, cut and remove as much casing as possible.
Log well to determine casing and coal depth. Spot expandable cement from PBTD to 100' below coal to set a solid cement plug. ^{EXPANDING CEMENT}
^{TO} Set a solid cement plug 100' above coal. ^{WITH EXPANDING CEMENT.} WOC expandable cement to harden. Top off well to surface with Class A cement with no more than 3% CaCl2 and no other additives.
Place a well monument with API number on spot of well. Reclaim site. After 70% growth is observed remove any remaining erosion and sediment controls.

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

Work order approved by inspector Gayne Knitowski

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Office of Oil and Gas
JUL 21 2016
WV Department of
Environmental Protection
Date 7/18/2016



JS Walker 2
Clay District, Monongalia County, WV
API Number: 47-061-00448
AFE Number: TBD
Plugging Procedure

July 11, 2016

Discussion

Approval is requested to perform the initial plugging on the JS Walker 2 well. The well is a vertical shallow well located in Clay District, Monongalia County, WV. This well was drilled to a depth of 2,197'. Production from this well has been very low for numerous years. The JS Walker 2 is recommended to be plugged and abandoned.

Plug and Abandonment Procedure:

1. Ensure all necessary erosion and sediment control devices are in place.
2. Perform necessary earth work to establish access and work area for rig and equipment.
3. RIH with open ended tubing to determine PBTD.
4. Attempt to remove all casing by pulling a minimum of 150% of casing string weight.
5. If casing will not pull out, cut and remove as much casing as possible.
6. Log well to determine casing and coal depth.
7. Spot expandable cement from PBTD to 100' below coal to set solid cement plug.
8. Set a solid cement plug ^{TB} 100' above coal. *EXPANDING CEMENT.*
9. WOC expandable cement to harden. *QW 41*
10. Top off well to surface with Class A cement with no more than 3% CaCl₂ and no other additives.
11. Place well monument with API number on spot of well.
12. Reclaim site.
13. After 70% growth is observed remove any remaining erosion and sediment controls.

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SCOPE OF OPERATION

1. Safety is the highest priority. Control costs and avoid unnecessary expenditures.
2. Attempt to cut or pull all recoverable casing.
3. TIH with 1½" tubing to estimated TD of 2,200'.
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

PROCEDURE

- 1) Safety is the number one priority. Well site safety meetings will be held before each major operation
- 2) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, exc.
- 3) MIRU service rig & needed BOP equipment
- 4) TOOH strapping rods and tubing
- 5) TIH strapping 1½" tubing to PBTD'
- 6) Pump 20 sks of Class A cement (150' cement plug), displace cement plug
- 7) TOOH with 1½" tubing
- 8) RIH with Mechanical Ripper on sand line to 1,600' and attempt to rip and retrieve 5 3/16" casing.
- 9) If Mechanical Ripper is not successful, contact NNE representative to discuss wire line options
- 10) TOOH with 5 3/16" casing and tally out
- 11) RIH and perforate 8¼" casing
- 12) RIH with Mechanical Ripper on sand line to rip 8¼" casing above free point and perforations
- 13) TIH with 1½" tubing
- 14) Pump cement from 1,650' to above 8¼" perfs
- 15) TOOH with 1½" tubing

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- 16) TOOH with 8 1/4" casing
- 17) RIH with 1 1/2" tubing
- 18) Cement to surface
- 19) Cut all casing 36 inches below GL. Install a monument to WV state requirements
- 20) RDMO all service equipment providers and reclaim location to WV State requirements

Well Record Procedure

NNE Resources LLC researched the proposed well for plug and abandonment using the following information centers:

- The DEP office at 601-57th Street, Charleston, WV 25304
- The DEP online database for Oil and Gas Wells for production and well data
- Titlemaps.com for lease information.
- Research well files provided by previous operator.

Well Data

Very little documentation exists on JS Walker 2. Based on available data and offset experience it is estimated that 5-3/16" production casing was run to a TD of approximately 2,197'. Surface casing is most likely 8-1/4" run to approximately 819'

Capacities

10" 819'
 8 1/4" 865'
 6 5/8" 1815'
 5 3/16" 291' ON HANGER TO TOP OF SHOT

SIZE	WEIGHT	CAPACITY (GAL/FT)	CAPACITY (BBL/FT)	CAPACITY (CU FT/FT)
10*	N/A	4.192	0.0998	0.5603
8 1/4*	N/A	2.738	0.0652	0.3659
6 5/8*	N/A	1.536	0.0365	0.2052
5 3/16*	N/A	1.038	0.0247	0.1387
2 3/8*	4.7#	0.16239	0.00387	0.02171

*The asterisks represent sizes where estimates were used to produce the capacity data. For the 10" casing the capacity of a 35.75#/Ft. 10 3/4" casing was used. For the 8 1/4" casing capacities a 20#/Ft. 8 5/8" casing was used. For the 5 3/16" casing capacities a 13#/Ft. 5 1/2" casing was used.

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Driving Directions

From Route 7 turn onto Pedlar run road for 3.2 miles then stay left on Pedlar run road look for gate on the right.

9/16/16

SOUTH PENN OIL COMPANY - COMPLETION

SERIAL NO. _____ FARM Walker J. S. WELL NO. 2
 ELEVATION 13-14 26
 LEASE NO. _____ ACRES 96
 WATERS OF Jakes Run
 DISTRICT Clay COUNTY Monongalia STATE W. Va.
 DRILLING COMMENCED 2/23/1893 COMPLETED 1/29/1893 DEPTH 2220

SANDS	TOP	BOTTOM	ELEV. TOP	CASING USED
PER. COAL OR SANDS	700			10" 819
Big Injun	2196			4" 865
1st pay	2184			6 5/8" 1815
2nd pay	2197			5 3/16" 211
				PACKERS AND DEPTH SET IN 211

INITIAL PROD. No record SAND Big Injun DEPTH 2197
 GAS TEST 10
 SHOT 7 QUARTS 4 to 30
 REMARKS (Not drilled through Big Injun)

REPORTED BY [Signature] ABANDONED

47-061-0448

ANTS: _____ DATE: JAN 28 1981
OPERATOR: Pennzoil Company
PURCHASER: Not Dedicated
SER: _____

BUYER-SELLER CODE

014730

Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
70-06-27-108-061-0448
Use Above File Number on all Communications
Relating to Determination of this Well

Qualifies J. H. Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- 1. FERC -121 Items not completed - Line No. _____
- 2. IV-1 Agent James A. Crews
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production 91 Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 17. IV Form 51 - 52 - 53 - 54 - 55 - (56) - 57 - 58 Complete? Affidavit Signed
- 28. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- (5) Date commenced: 3-23-1893 Date completed 5-29-1893 Deepened _____
- (5) Production Depth: 2106-2197
- (5) Production Formation: Big Injun
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{2629}{365} = 7.2 \text{ mcf}$ oi $\frac{212}{765} = 0.5 \text{ BBL}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days: $\frac{614}{91} = 6.8 \text{ mcf}$ oi $\frac{50}{91} = 0.5 \text{ BBL}$
- (8) Line Pressure: NA PSIG from Daily Report
- (5) Oil Production: NO From Completion Report NO
- 17. Does lease inventory indicate enhanced recovery being done? NO
- 17. Is affidavit signed? Retarized?
- Does official well record with the Department confirm the submitted information? NO
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

12/09/2016

J.S.

JUN 9/6/16

IV-39-WC

STATE OF WEST VIRGINIA
DEPARTMENT - MINES
DIVISION OIL AND GAS

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF @ 14.73
OIL IN BARRELS @ 60 DEGREES

REPORT DATE 7/27/80

OPERATOR Pennzoil Company

YEAR 1979

API 001-0448 FARM J.S. Walker #2 COUNTY Monongalia

	AVG. FLOW PRESSURE						SHUT-IN PRESSURE						TOTALS	
GAS MCF	129	183	236	160	138	196	236	232	238	253	208	207	GAS	2404
OIL BBL	J-20	F-15	M-25	A-20	M-24	J-20	J-20	A-19	S-20	O-15	N-25	D-16	OIL	935
DAYS ON LINE	31	28	31	30	31	30	31	31	30	31	30	31		1

YEAR 1980

API 001-0448 FARM J.S. Walker #2 COUNTY Monongalia

	AVG. FLOW PRESSURE						SHUT-IN PRESSURE						TOTALS	
GAS MCF	257	154	238	248	208	166							GAS	
OIL BBL	J-20	F-16	M-11	A-16	M-18	J-16							OIL	
DAYS ON LINE	31	29	31	30	31	30								

SUMMARIZATION SCHEDULE
Section 271.804 (b)

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart II.

API NUMBERS

6100448P

WW-4A
Revised 6-07

1) Date: 7/18/2016
2) Operator's Well Number
J.S. Walker 2

3) API Well No.: 47 - 061 - 00448

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>David P. Walker and Nancy Facemire</u>	Name _____
Address <u>431 Statler Run Road</u>	Address _____
<u>Fairview, WV 26570</u>	_____
(b) Name <u>Mary H. Walker</u>	(b) Coal Owner(s) with Declaration
Address <u>1611 South Pamona D-11</u>	Name <u>Murray Energy Company LLC - Attn: Alex O'Neil</u>
<u>Fullerton, CA 92832</u>	Address <u>46226 Naitonal Road</u>
(c) Name <u>Joyce Bennet</u>	<u>St. Clairsville, OH 43950</u>
Address <u>1790 Jakes Run Road</u>	Name <u>Consol Mining Company LLC - Attn: Analyst</u>
<u>Fairview, WV 26570</u>	Address <u>CNX Center, 1000 Consol Energy Drive</u>
6) Inspector <u>Gayne Knitowski</u>	<u>Canonsburg, PA 15317</u>
Address <u>P.O. Box 2</u>	(c) Coal Lessee with Declaration
<u>Moundsville, WV 26041</u>	Name _____
Telephone <u>304-546-8171</u>	Address _____

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.



Well Operator NNE Resources LLC
 By: Zack Arnold
 Its: General Manager-Operations
 Address 707 Virginia Street East, Suite 1200
Charleston, WV 25301
 Telephone 304-212-0437

Subscribed and sworn before me this 18th day of July 2016
Seth Jarvis Notary Public
 My Commission Expires Oct 12, 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.

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JUL 18 2016
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION
12/09/2016

WW-9
(2/15)

API Number 47 - 061 - 00448
Operator's Well No. JS Walker 2

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name NNE Resources LLC OP Code 494511469

Watershed (HUC 10) Dunkard Creek Quadrangle Blacksville 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.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number See attachment)
- Reuse (at API Number See attachment)
- 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. Freshwater/gel

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

Additives to be used in drilling medium? Bentonite

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

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

-Landfill or offsite name/permit number? see attachment

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 [Signature]
Company Official (Typed Name) Zack Arnold
Company Official Title General Manager-Operations



Subscribed and sworn before me this 18th day of July, 2016
Seth Jarvis Notary Public

My commission expires Oct 12, 2021

NNE Resources LLC

Proposed Revegetation Treatment: Acres Disturbed 0.85 +/- Prevegetation pH TBD

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 200 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tertraploid Perennial Rye	16	Tertraploid Perennial Rye	16
Timothy	15	Timothy	15
Annual Rye	15	Annual Rye	15

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

[Handwritten Signature]

Comments:

Title: Inspector

Date: 7/18/2016

Field Reviewed? (X) Yes () No

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WV Department of Environmental Protection

Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for the plugging of the J.S. Walker 2 well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

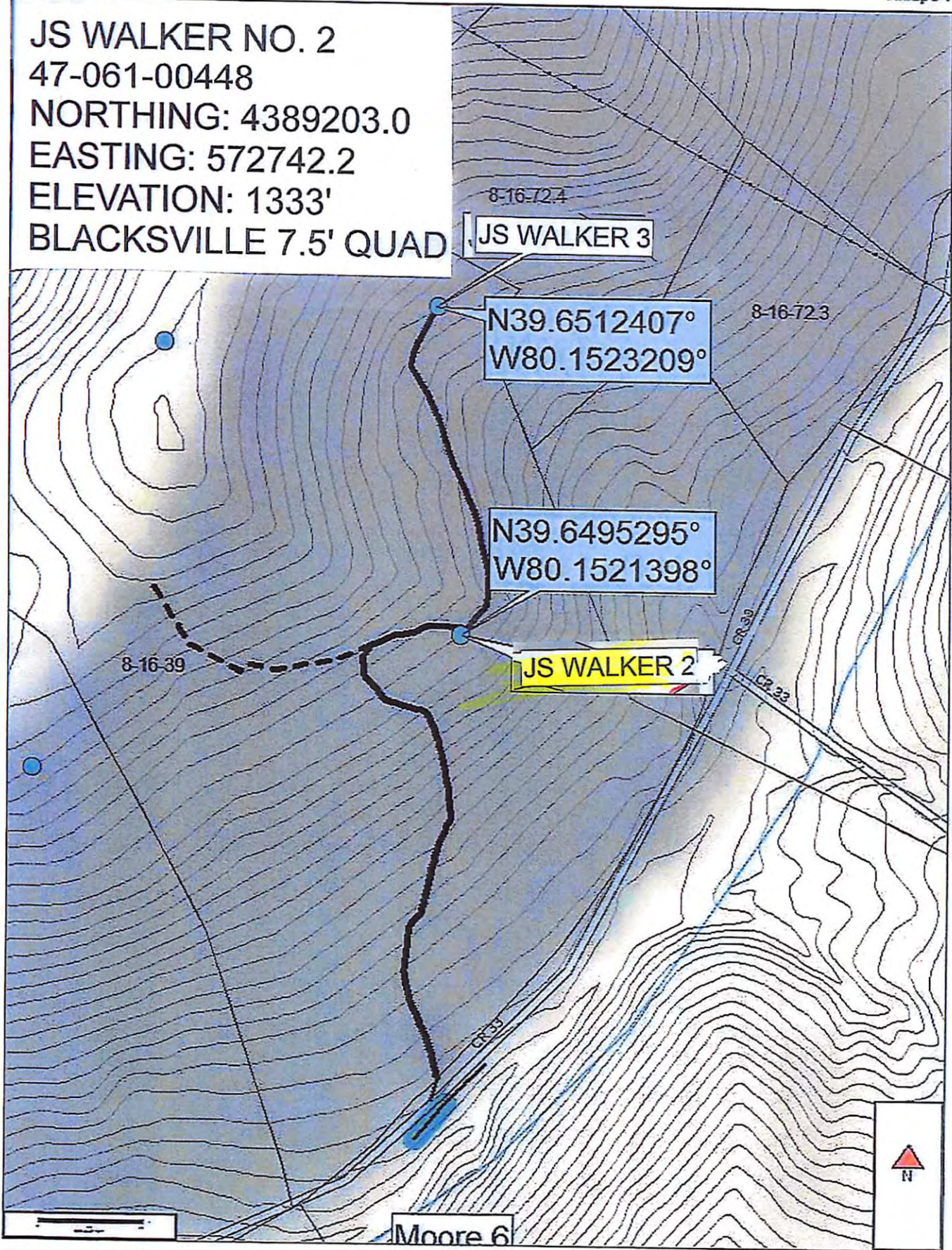
J.S. Walker 2 Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

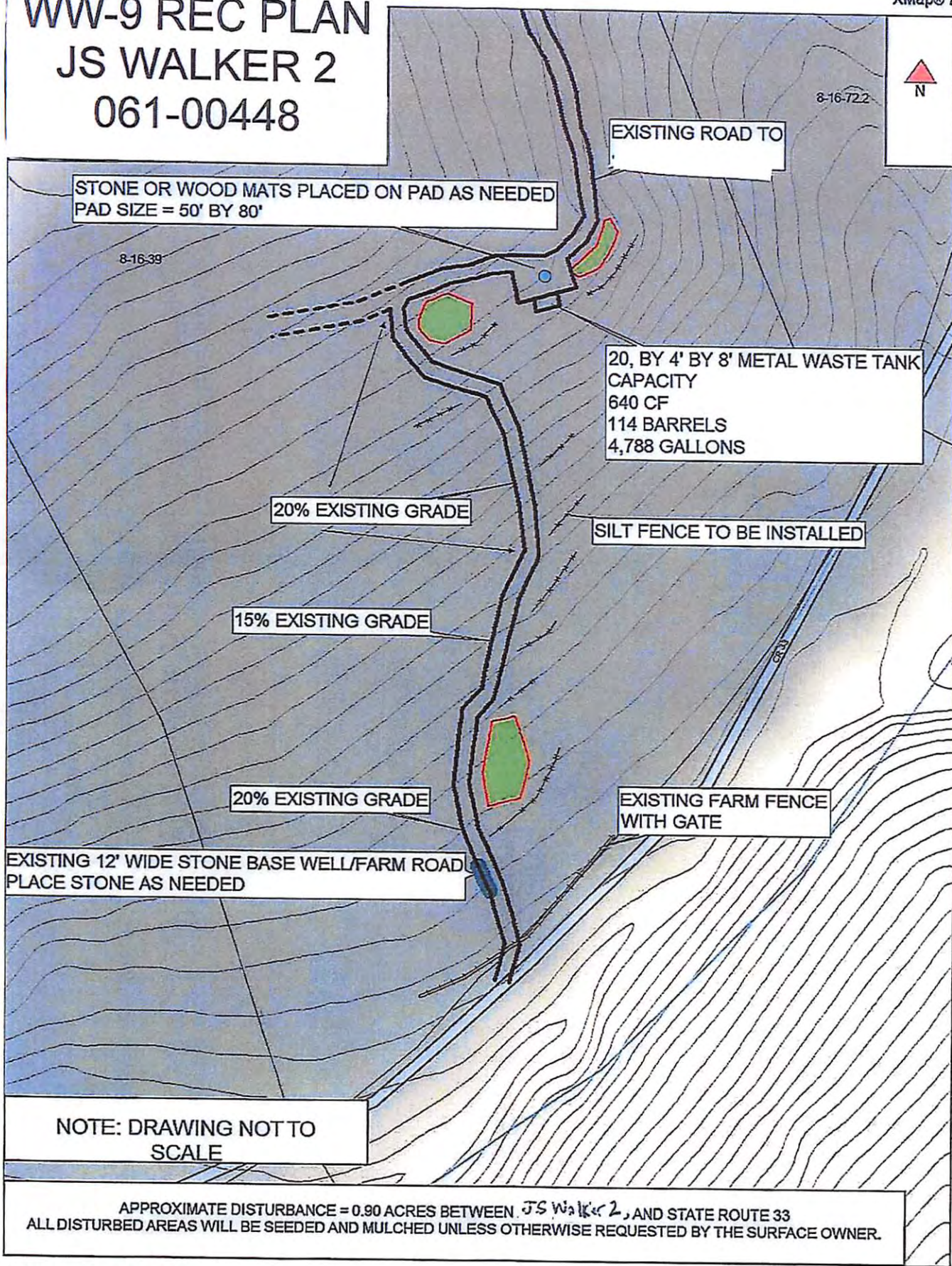
NNE plans to reuse and recycle all fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

- Fairmont Brine Processing (WV NPDES #0116408)
- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)

JS WALKER NO. 2
 47-061-00448
 NORTHING: 4389203.0
 EASTING: 572742.2
 ELEVATION: 1333'
 BLACKSVILLE 7.5' QUAD



WW-9 REC PLAN JS WALKER 2 061-00448



STONE OR WOOD MATS PLACED ON PAD AS NEEDED
PAD SIZE = 50' BY 80'

EXISTING ROAD TO

20, BY 4' BY 8' METAL WASTE TANK
CAPACITY
640 CF
114 BARRELS
4,788 GALLONS

20% EXISTING GRADE

SILT FENCE TO BE INSTALLED

15% EXISTING GRADE

20% EXISTING GRADE

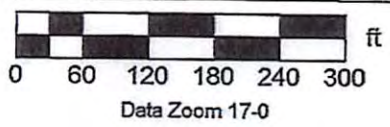
EXISTING FARM FENCE
WITH GATE

EXISTING 12' WIDE STONE BASE WELL/FARM ROAD
PLACE STONE AS NEEDED

NOTE: DRAWING NOT TO
SCALE

APPROXIMATE DISTURBANCE = 0.90 ACRES BETWEEN JS Walker 2, AND STATE ROUTE 33
ALL DISTURBED AREAS WILL BE SEEDED AND MULCHED UNLESS OTHERWISE REQUESTED BY THE SURFACE OWNER.

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www.delorme.com



6100448P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-00448 WELL NO.: 2

FARM NAME: J.S. Walker

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville 7.5'

SURFACE OWNER: David P. Walker, et al

ROYALTY OWNER: Linda Kay Tennant, et al

UTM GPS NORTHING: 4389203.0

UTM GPS EASTING: 572742.2 GPS ELEVATION: 1333'

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

- 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]
Signature

General Manager - Operations
Title

14 OCT 2014
Date