



west virginia department of environmental protection

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

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

May 15, 2014

WELL WORK PERMIT
Vertical Well

This permit, API Well Number: 47-8510101, issued to MURVIN & MEIER OIL CO., 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: GILL HEIRS #3
Farm Name: SAVINKOFF, KARL ET AL
API Well Number: 47-8510101
Permit Type: Vertical Well
Date Issued: 05/15/2014

Promoting a healthy environment.

05/16/2014

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.

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

85 03 612

- 1) Well Operator Murvin & Meier Oil Co 307980 Ritchie Murphy Smithville 7.5'
Operator ID County District Quadrangle
- 2) Operator's Well Number: Gill Hrs. #3 3) Elevation: 1161'
- 4) Well Type: (a) Oil X or Gas _____
(b) If Gas: Production X / Underground Storage _____
Deep _____ / Shallow X
- 5) Proposed Target Formation(s): Injun and Berea Proposed Target Depth: 2625
6) Proposed Total Depth: 2625 Feet Formation at Proposed Total Depth: Shale
7) Approximate fresh water strata depths: 25' (Permit 9919)
8) Approximate salt water depths: None (Permits 9874, 9902, 9919)
9) Approximate coal seam depths: None (Permits 9874, 9902, 9919)
10) Approximate void depths, (coal, Karst, other): None
11) Does land contain coal seams tributary to active mine? No
12) Describe proposed well work in detail Drill and Complete New Well

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	16"			20'	20'	
Fresh Water	11 3/4"	A-500	32	300	300	CTS
Coal						
Intermediate	8 5/8"	A-500	20/23	1375	1375	CTS
Production	4 1/2"	WT-65	10.5	2600	2600	120
Tubing						
Liners						

Packers: Kind
 Sizes
 Depths Set

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

Jul
2-25-14
05/16/2014

WW-2A
(Rev. 6-07)

1). Date: 3/3/2014
2.) Operator's Well Number Gill Hrs #3
State County Permit
3.) API Well No.: 47- 085 -

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

4) Surface Owner(s) to be served: 5) (a) Coal Operator
(a) Name Karl M. Savinkoff ✓ Name None
Address 1532 Williamstown Pike
Williamstown WV 26187
(b) Name Dalen R. Schlabach ✓ (b) Coal Owner(s) with Declaration
Address 5521 Township Rd 336 Name None
Millersburg OH 44654 Address _____
(c) Name Russell Beall & Mary Beall W Name _____
Address 90 Donna Beall-Bishop Address _____
RR 2 Box 196 Lewisburg WV 24901
6) Inspector Mr. David Cowan (c) Coal Lessee with Declaration
Address Route 1 Box 202 Name _____
Harmsville WV 26262 Address _____
Telephone 304-389-3509

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 13 on the above named parties by:

- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

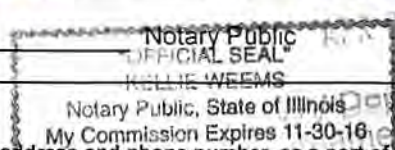
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Murvid and Meier Oil Co.
By: Kathryn Blackford
Its: Kathleen Blackford, FRP
Address PO Box 396
Olney Illinois 62450
Telephone 618-395-4405

Subscribed and sworn before me this 3rd day of March, 2014

Kellie Weems
My Commission Expires 11/30/16
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

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County R. Fabie

Operator
Operator well number

Murphy & Meier Oil Co
Gill Hrs #3

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 **FIFTEEN (15) 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 a 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.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

Russell G Beall by
Donna Beall-Bishop, POA Date 3/26/14
Signature

DONNA BEALL-BISHOP

Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____
By _____
Its _____
APR 9 2014
Office of Oil and Gas
WV Dept. of Environmental Protection
Signature _____ Date _____

Received

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Robert B. Gill et al	J. B. Westfall	1/8	88/311
Coley and Elder	J. B. Westfall	ratification	88/313
Alan Rexroad et ux (Sole Heir of J. B. Westfall)	Francis Cain	Assign.	100/457
Francis Cain	Murvin & Meier O. & Co.	Farmout	269/550

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

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

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

Received
APR 9 2014

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

Well Operator:
By:
Its:

Murvin and Meier O. & Co.
Kate M. Blackford, ERP

WW-2B1
(5-12)

Well No. Gill Heirs No. 3

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name	<u>Reliance Labs</u>
Sampling Contractor	<u>Smith Land Surveying, Inc. - Environmental Division</u>

Well Operator	<u>Murvin & Meier Oil Company</u>
Address	<u>P.O. Box 396</u>
	<u>Olney, IL 62450</u>
Telephone	<u>618-395-4405</u>

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

NOTE: There appears to be 7 potable water sources within 1,500', therefore tests will be offered and samples taken as required.

SEE ATTACHED

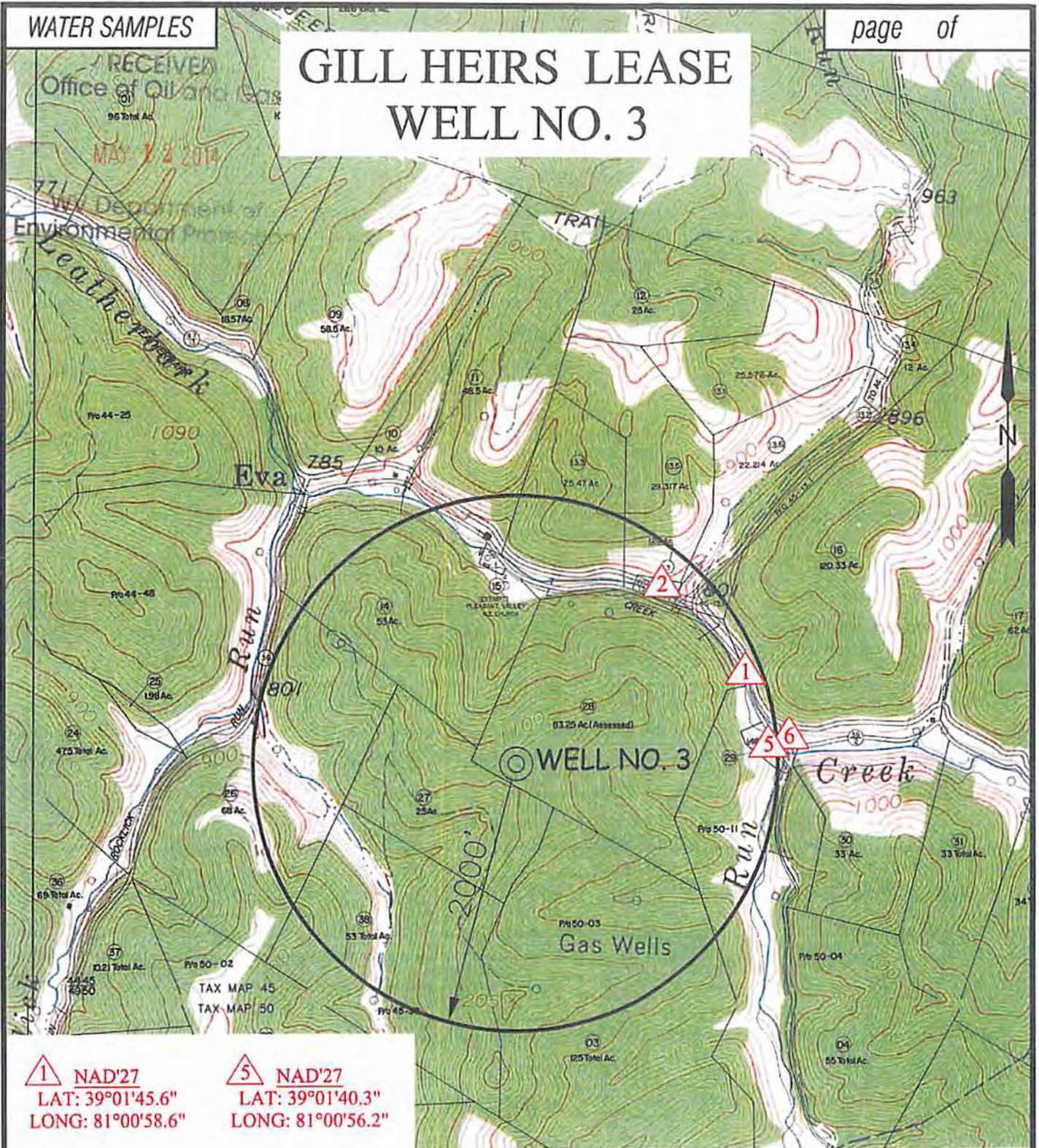
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Office of Oil and Gas
APR 09 2014
West Virginia Department of
Environmental Protection

05/16/2014

WATER SAMPLES

page of

GILL HEIRS LEASE WELL NO. 3



1 NAD'27
LAT: 39°01'45.6"
LONG: 81°00'58.6"

5 NAD'27
LAT: 39°01'40.3"
LONG: 81°00'56.2"

2 NAD'27
LAT: 39°01'52.0"
LONG: 81°01'06.86"

6 NAD'27
LAT: 39°01'40.7"
LONG: 81°00'54.3"

SCALE: 1-INCH=1000-FEET



Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SUPERVISING ENGINEER
PROJECT WORTH
SLS
ENGINEERS
ENVIRONMENTALS

P.O. Box 750
Charleston, WV 25302
304.462.8818
www.smithland.com

70003 Office Building Road
Martinsburg, WV 25151
746.971.8818

DRAWN BY: K.D.W. FILE NO: 7448 DATE: 05/06/14 CADD FILE: 7448WS3R3.DWG

TOPO SECTION OF:
SMITHVILLE, WV 7.5' QUAD.

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
MURPHY	RITCHIE	45-28

OPERATOR:
MURVIN & MIEIR OIL CO.
P.O. BOX 396
OLNEY, IL 62450

WW-9
(5/13)

API Number 47 - DB5 -
Operator's Well No. G.II Hrs #3

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Murvin & Meier Oil Company OP Code 307980

Watershed (HUC 10) Leather back Creek = Backlick Run Quadrangle Smithville 7.5'

Elevation 1161' County Ritchie District Murphy

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

Will a pit be used for drill cuttings? Yes X No _____

If so, please describe anticipated pit waste: Drill water and various formation cuttings

Will a synthetic liner be used in the pit? Yes X No _____ If so, what ml.? 8 20 MIL

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? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air

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

Additives to be used in drilling medium? Soap

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

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

-Landfill or offsite name/permit number? _____

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 Kate M. Blackbird

Company Official (Typed Name) Kate M. Blackbird

Company Official Title Exec. Vice-President

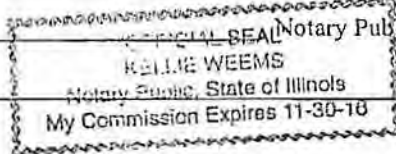
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APR 9 2014

Subscribed and sworn before me this 3rd day of March, 2014

Kellie Weems

My commission expires 11/30/16



Office of Oil and Gas
Dept. of Environmental Protection

05/16/2014

LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 1.5 +/- Prevegetation pH 6.0
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)
 Mulch Hay/Straw 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>KY-31</u>	<u>40</u>	<u>Orchard Grass</u>	<u>15</u>
<u>Alsike Clover</u>	<u>5</u>	<u>Alsike Clover</u>	<u>5</u>
<u>Annual Rye</u>	<u>15</u>		

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Dave [Signature]

Comments: presul on mulch all cut over maintaining all pits during operations

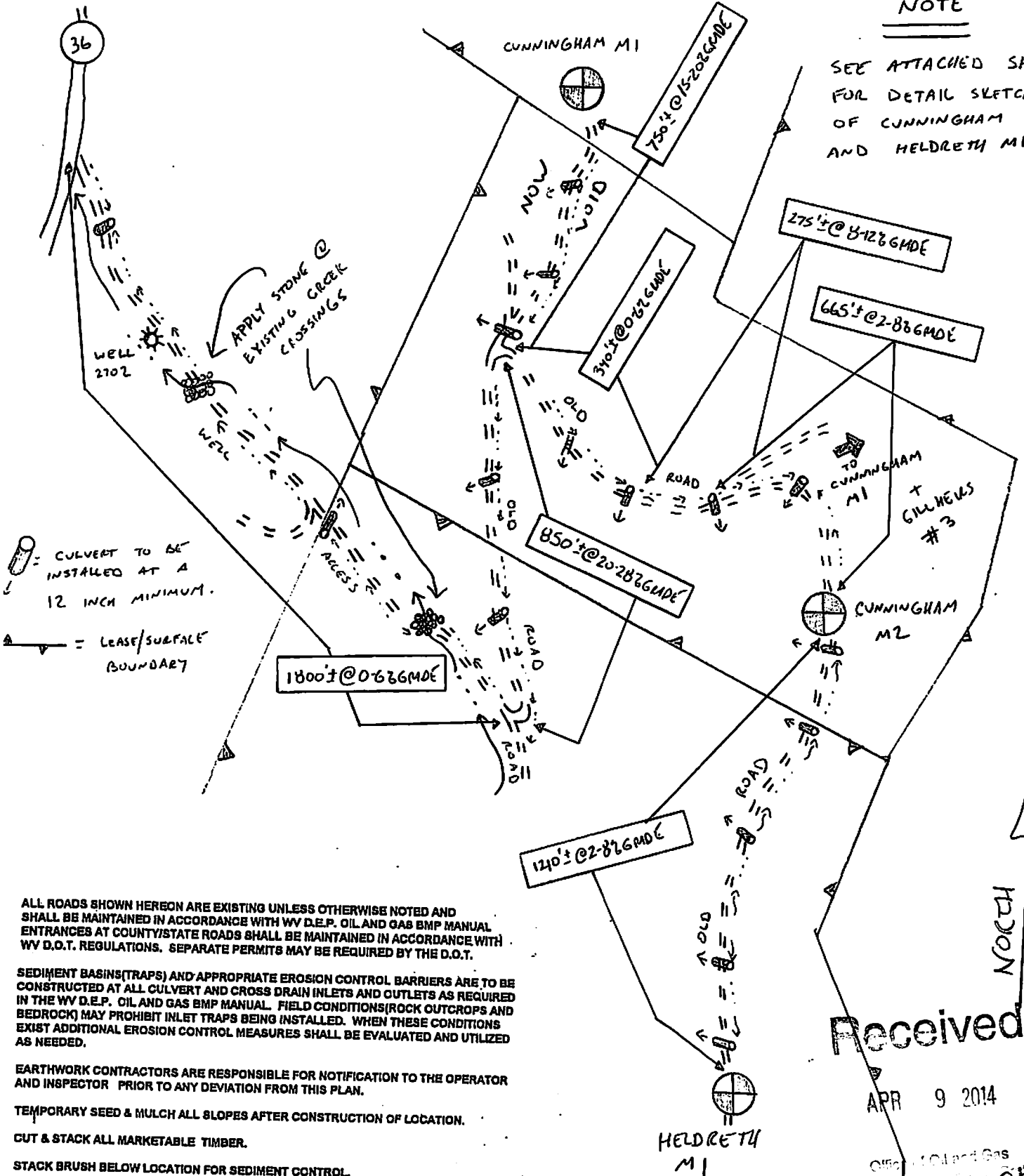
Title: oil/gas inspector Date: 2-25-14



Field Reviewed? Yes No

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 APR 9 2014
 Office of Oil and Gas
 Dept. of Environmental Protection
 05/16/2014

NOTE

SEE ATTACHED SHEETS FOR DETAIL SKETCHES OF CUNNINGHAM M1M2 AND HELDRETH M1.



 = CULVERT TO BE INSTALLED AT A 12 INCH MINIMUM.
 = LEASE/SURFACE BOUNDARY

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

Received

APR 9 2014

Oil and Gas
 WV Dept. of Environmental Protection
 [Signature]

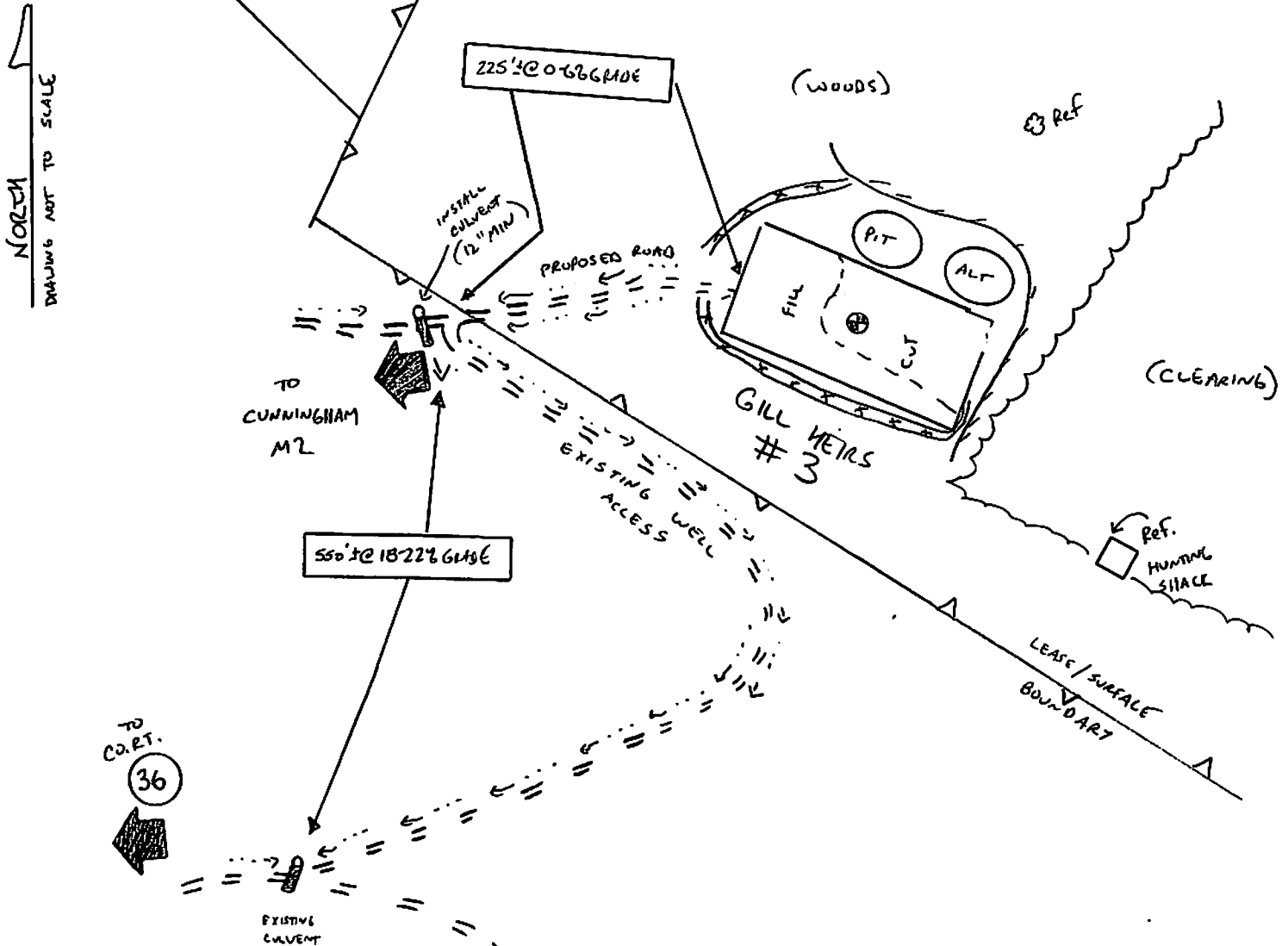
 **SMITH LAND SURVEYING, INC.**
 P.O. BOX 150, GLENVILLE, WV 26351

Phone (304) 462-5634 Fax 462-5656 email: sis@rtol.net
 Revised by C.P.M. 6/19/10 10/3/13 7418 7320
 Drawn by C.P.M. DATE 3/17/10 FILE NO. 7386

05/16/2014

Form WW-9

GILL HEIRS LEASE WELL NO. 3



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

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TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION. CUT & STACK ALL MARKETABLE TIMBER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

RECEIVED

APR 09 2014

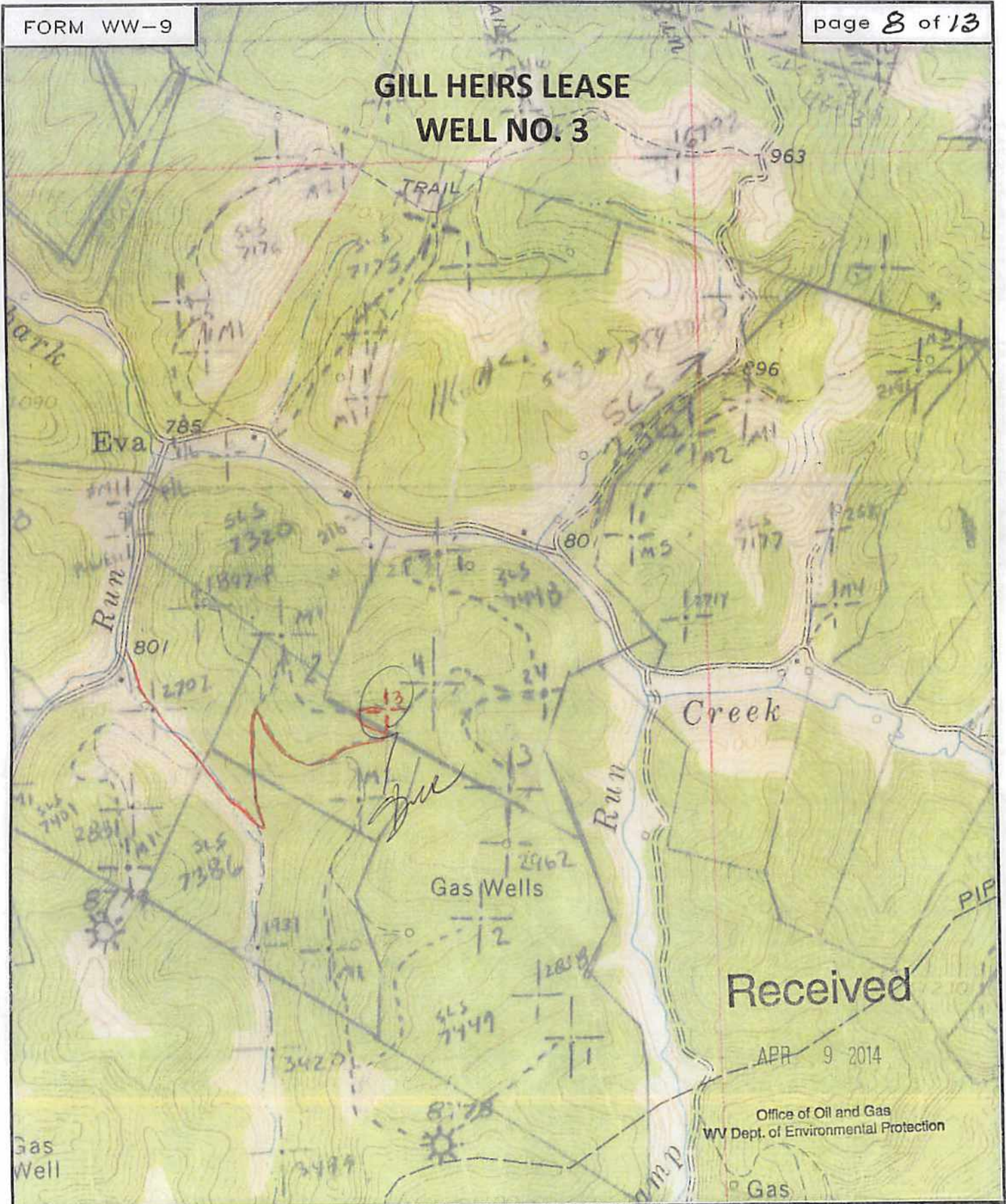
gwe

SLS SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV. 26351

Phone: (304) 462-5634 Fax: 462-5656 email: sls@slssurveys.com
DRAWN BY C.P.M. DATE 10/3/13 FILE NO. 7448

05/16/2014

GILL HEIRS LEASE WELL NO. 3



Received

APR 9 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



SMITH LAND SURVEYING
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF SMITHVILLE 7.5'

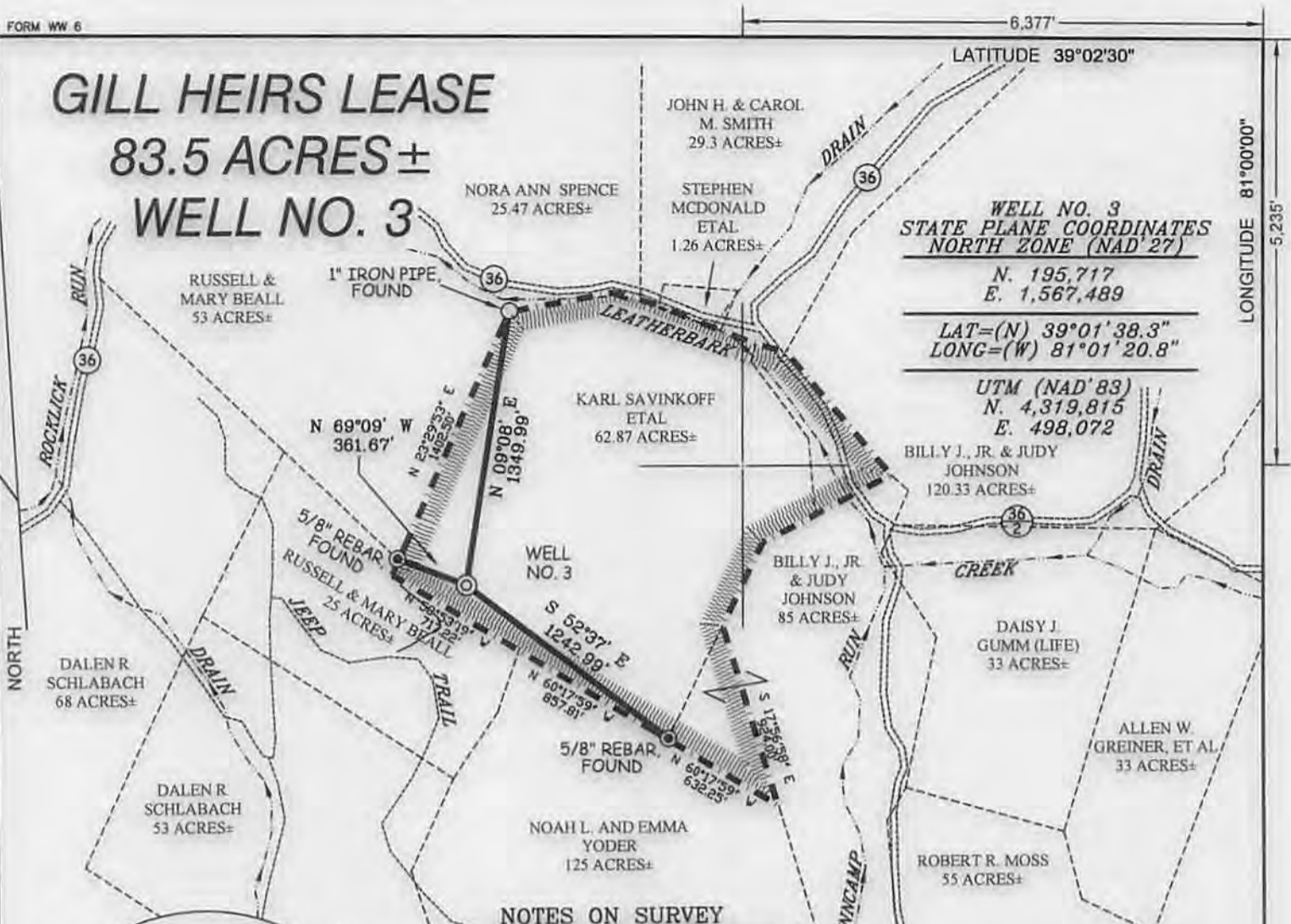
FILE NO. 7448

DATE 10/3/13

SCALE 1"=1,000'

05/16/2014

GILL HEIRS LEASE 83.5 ACRES± WELL NO. 3



**WELL NO. 3
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)**

N. 195,717
E. 1,567,489

LAT=(N) 39°01'38.3"
LONG=(W) 81°01'20.8"

UTM (NAD '83)

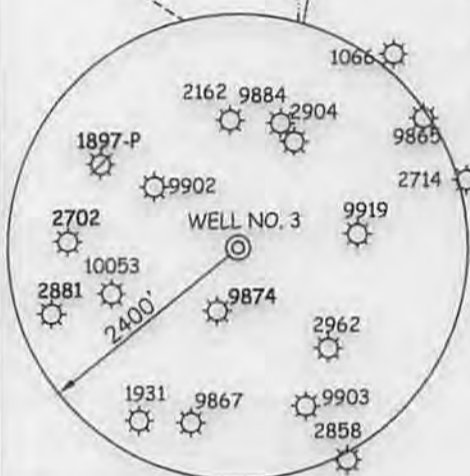
N. 4,319,815
E. 498,072

BILLY J., JR. & JUDY
JOHNSON
120.33 ACRES±

NOTES ON SURVEY

1. TIES TO REFERENCES, WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A SURVEY PLAT FOR CODY PARSONS, MICHAEL SAMMONS AND RONALD SAMMONS DATED APRIL, 2009, AS SURVEYED BY NEAL HUGHES LAND SURVEYING, LLC.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
5. PLAT CHANGED TO SHOW REVISED ESTIMATED DEPTH AND TARGET FORMATION.

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 3 20 13
 REVISED APRIL 11 20 14
 OPERATORS WELL NO. GILL HEIRS #3
 API
 WELL NO. 47 - 85 - 10101
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7448P3R3 (485-09)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

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



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,161' WATERSHED LEATHERBARK CREEK & ROCKCLICK RUN
 DISTRICT MURPHY COUNTY RITCHIE QUADRANGLE SMITHVILLE 7.5'
 SURFACE OWNER KARL SAVINKOFF, ET AL ACREAGE 62.866±
 ROYALTY OWNER R.B. GILL HEIRS LEASE ACREAGE 83.5± LEASE NO. 05/16/2014
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BEREA
 ESTIMATED DEPTH 2,600'

WELL OPERATOR MURVIN & MEIER OIL COMPANY DESIGNATED AGENT P. NATHAN BOWLES, JR
 ADDRESS P.O. BOX 396 ADDRESS P.O. BOX 1237
OLNEY, IL 62450 CHARLESTON, WV 25325

LONGITUDE 81°00'00" 5,235'

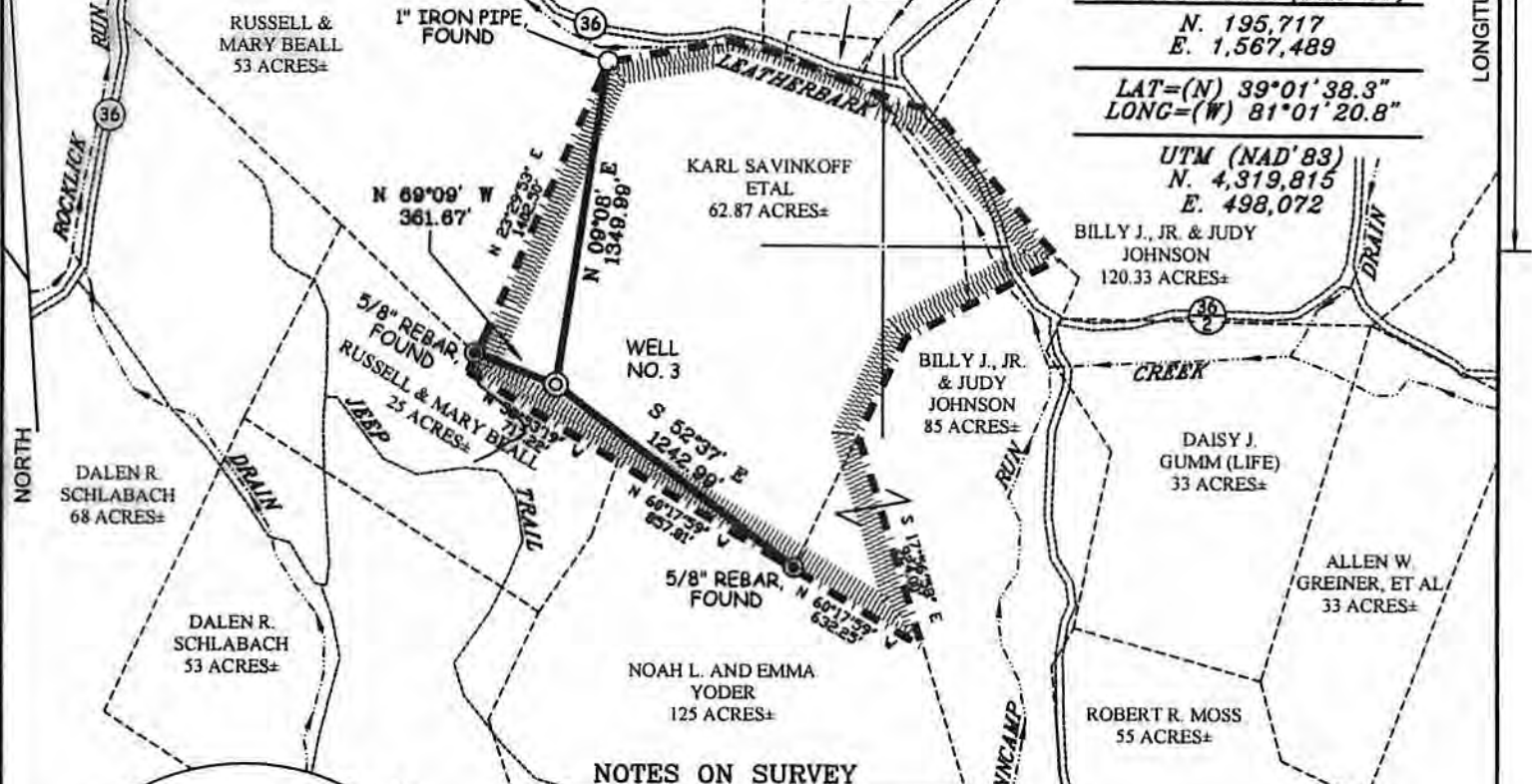
COUNTY NAME

PERMIT

GILL HEIRS LEASE

83.5 ACRES±

WELL NO. 3



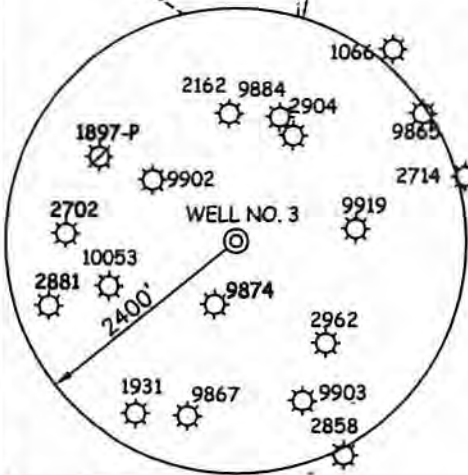
WELL NO. 3
STATE PLANE COORDINATES
NORTH ZONE (NAD'27)
 N. 195,717
 E. 1,567,489
 LAT=(N) 39°01'38.3"
 LONG=(W) 81°01'20.8"

UTM (NAD'83)
 N. 4,319,815
 E. 498,072

NOTES ON SURVEY

1. TIES TO REFERENCES, WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
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