



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

PERMIT MODIFICATION APPROVAL

September 15, 2015

BOWYER, DAVID
12088 MIDDLE ISLAND ROAD
ALMA, WV 263200000

Re: Permit Modification Approval for API Number 9502290, Well #: SITKO #1

CHANGED COORDINATES AND ELEVATION

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Gene Smith".

Gene Smith *gsm*
Assistant Chief of Permitting
Office of Oil and Gas

Promoting a healthy environment.

Phone: (304) 758-0672
Fax: (304) 758-0674

David E. Bowyer
12088 Middle Island Road
Alma, WV 26320-7211
DBowyer6928@gmail.com

CK 9268
650⁰⁰

September 11, 2015

WV Department of Environmental Protection
Office of Oil & Gas
Attn: Mr. Jeffrey McLaughlin
601 57 St. SE
Charleston, WV 25304

Ref: Sitko 1 API 95-02290
& New Application

WILL MODIFY ORIGINAL PERMIT

Dear Mr. McLaughlin:

Please find enclosed the new application for the Sitko 1. As we discussed on the phone Friday, this is an all new application with new surface owner waiver and coal owner waiver which was faxed to us, the originals are being mailed back to us. Basically the only change in the permit application is the plat. Energy Surveys Inc. had sent us the incorrect plat.

Thank you for working with us in this matter.

Respectfully,



Sue E. Johnson for
David E. Bowyer

on

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Enclosures

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

1) Well Operator: David Bowyer

308590	Tyler	Ellsworth	Porter Falls
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Operator ID County District Quadrangle

2) Operator's Well Number: Sitko #1 3) Elevation: 1015'

4) Well Type: (a) Oil or Gas
(b) If Gas: Production / Underground Storage _____
Deep _____ / Shallow

5) Proposed Target Formation(s): Gordon, Speeachly, Benson Proposed Target Depth: 2890', 3890', 5240'

6) Proposed Total Depth: 5,350 Feet Formation at Proposed Total Depth: Lower Devonian

7) Approximate fresh water strata depths: 125'

8) Approximate salt water depths: 1195'

9) Approximate coal seam depths: None noted in offset wells

10) Approximate void depths, (coal, Karst, other): None noted in offset wells

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Drill new oil and gas well. Stimulate with nitrogen and/or slick water fracturing methods including approximate 700,000scf nitrogen per stage and/or approximate not to exceed 4,900 barrels water. (Fraq pit not to exceed 5,000Bbbls, will supplement with tanks for additional water capacity)

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	13-3/8"	H-40	48#	40'	40'	Grout to Surface
Fresh Water	9-5/8"	H-40	29.3#	300'	300'	To Surface
Coal	NA	NA	NA	NA	NA	NA
Intermediate	7"	H-40	20#	2250'	2250'	To Surface
Production	4-1/2"	J-55	10.5#	5300'	5300'	375 sacks, 3000' fillup
Tubing	NA	NA	NA	NA	NA	NA
Liners	NA	NA	NA	NA	NA	NA

Michael Hoff
9-10-15

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Packers: Kind: NA
Sizes: NA
Depths Set NA

WW-2A
(Rev. 6-14)

1.) Date: 6/24/15
2.) Operator's Well Number Sitko #1
State 47 County 095 Permit -
3.) API Well No.: 47- 095 -

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:
(a) Name Joseph L. Sitko Jr.
Address 315 Airport Dr
Sellersville, PA 18960-3071
(b) Name Karen Sitko
Address Same as Above
(c) Name _____
Address _____
6) Inspector Michael Goff
Address P.O. Box 134
Pullman, WV
Telephone 304-549-9823
5) (a) Coal Operator
Name None of Declaration
Address _____
(b) Coal Owner(s) with Declaration
Name None of Declaration
Address _____
(c) Coal Lessee with Declaration
Name None of Declaration
Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR
Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2) ¹⁰⁶₇₋₁₀₋₁₅

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 ___ on the above named parties by:

- Personal Service (Affidavit attached)
- 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 David Bowver
By: [Signature]
Its: Agent
Address: 12088 Middle Island Road
Alma, WV 26320
Telephone: 304-758-0672
Email: dbowver6928@gmail.com

Subscribed and sworn before me this 10th day of September, 2015

[Signature] Notary Public
My Commission Expires 4-4-22

Oil and Gas Privacy Notice

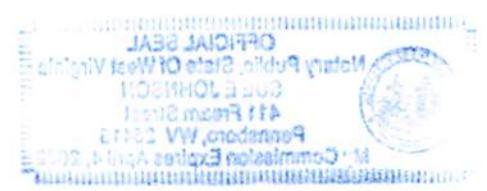
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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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WV Department of Environmental Protection

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WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Tyler

Operator David Bowyer
Operator well number Shiko #1

David Bowyer
Shiko #1

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

FOR EXECUTION BY A CORPORATION, ETC.

Joseph L. and Karen L. Nichols Date 9/10/15
Signature

Joseph L. and Karen L. Nichols

Print Name

Company Name _____
By _____
Its _____

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Date
SEP 14 2015

Signature _____
Date
WV Department of Environmental Protection

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Tyler
Operator David Bowyer

Operator's Well Number Sitko #1

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Joseph J. & Kean D. Smith Date 9/10/15
Signature

Company Name _____
By _____
Its _____ Date _____
Signature _____ Date _____

*No Coal Operations on this property

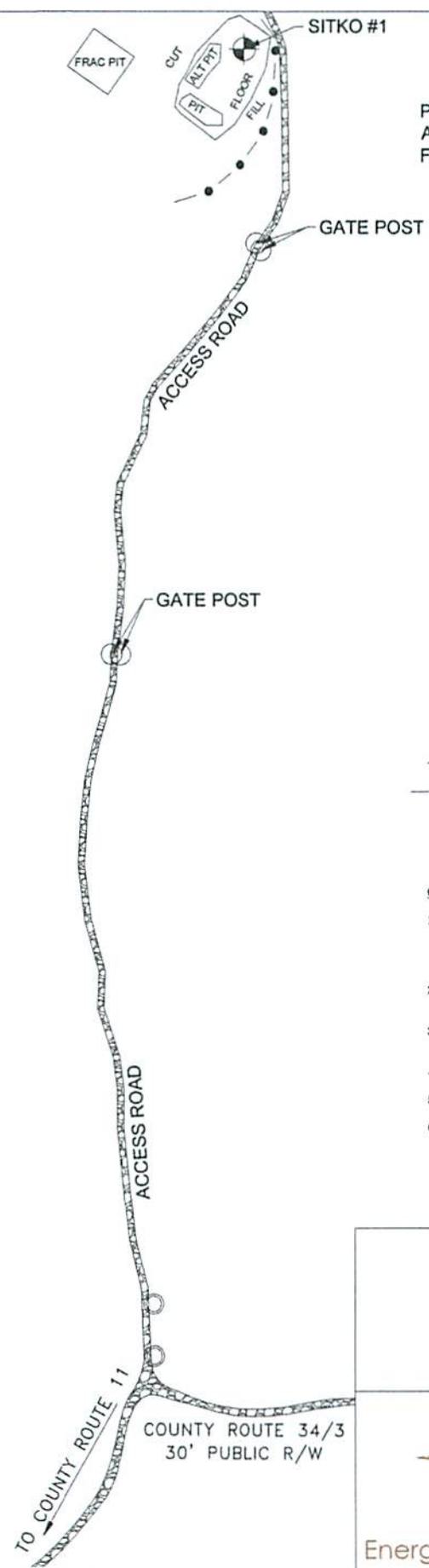
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EXHIBIT A

SITKO WELL SITE

DATE: 09/10/2015

THE LOCATION IS ON A PARTIALLY WOODED HILLSIDE



PIT SIZE: 20' x 80'
 ALT PIT SIZE: 20' x 80'
 FRAC PIT SIZE: 40' x 80'



MAG
 9-10-15

LEGEND/ABBREVIATIONS

- = SITKO #1 WELL SITE
- = SEDIMENT BARRIER SILT FENCE

GENERAL NOTES:

1. EROSION AND SEDIMENT CONTROL WILL BE USED AS PER THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL AND/OR DIRECTED BY THE DISTRICT INSPECTOR.
2. CROSS DRAINS AND SEDIMENT CONTROL WILL BE PLACED AS NEEDED.
3. AMOUNT AND SIZE OF CULVERTS TO BE PLACED WHERE NEEDED.
4. CUT AND STACK ALL TREES 6 INCHES OR GREATER.
5. STOCKPILE TOPSOIL FOR RECLAMATION PURPOSES.
6. TEMPORARILY SEED AND MULCH ALL SLOPES.

NOT TO SCALE

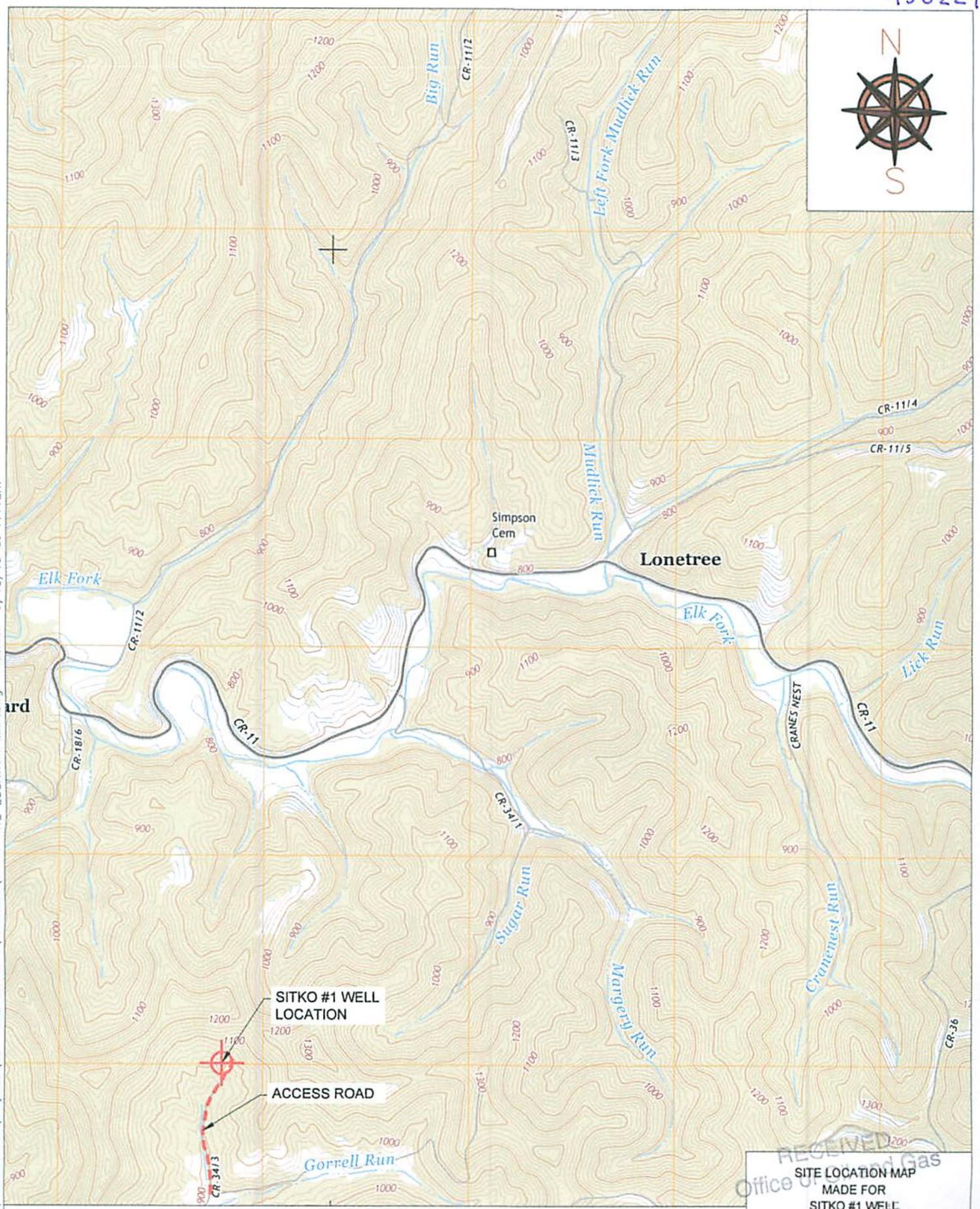
WW-9 SITE DIAGRAM
SITKO #1 WELL
TYLER COUNTY, WEST

SEP 14 2015



WV Department of
 Environmental Protection
418 Mayo Street
Clarksburg, WV 26301
304-423-5880
energysurveysinc.com

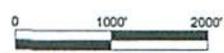
Energy Surveys, Inc.



David \\ESI-SERVER\ESI_Network\Projects\70-1982 SITKO 1\DRAWING\SITKO SITE LOCATION MAP.dwg Plotted: 9/10/15 at 7:41am

REFERENCES: IMAGERY PROVIDED BY USGS;
PORTER FALLS & SHIRLEY, WV QUADRANGLE; STATE 7.5 MINUTE SERIES

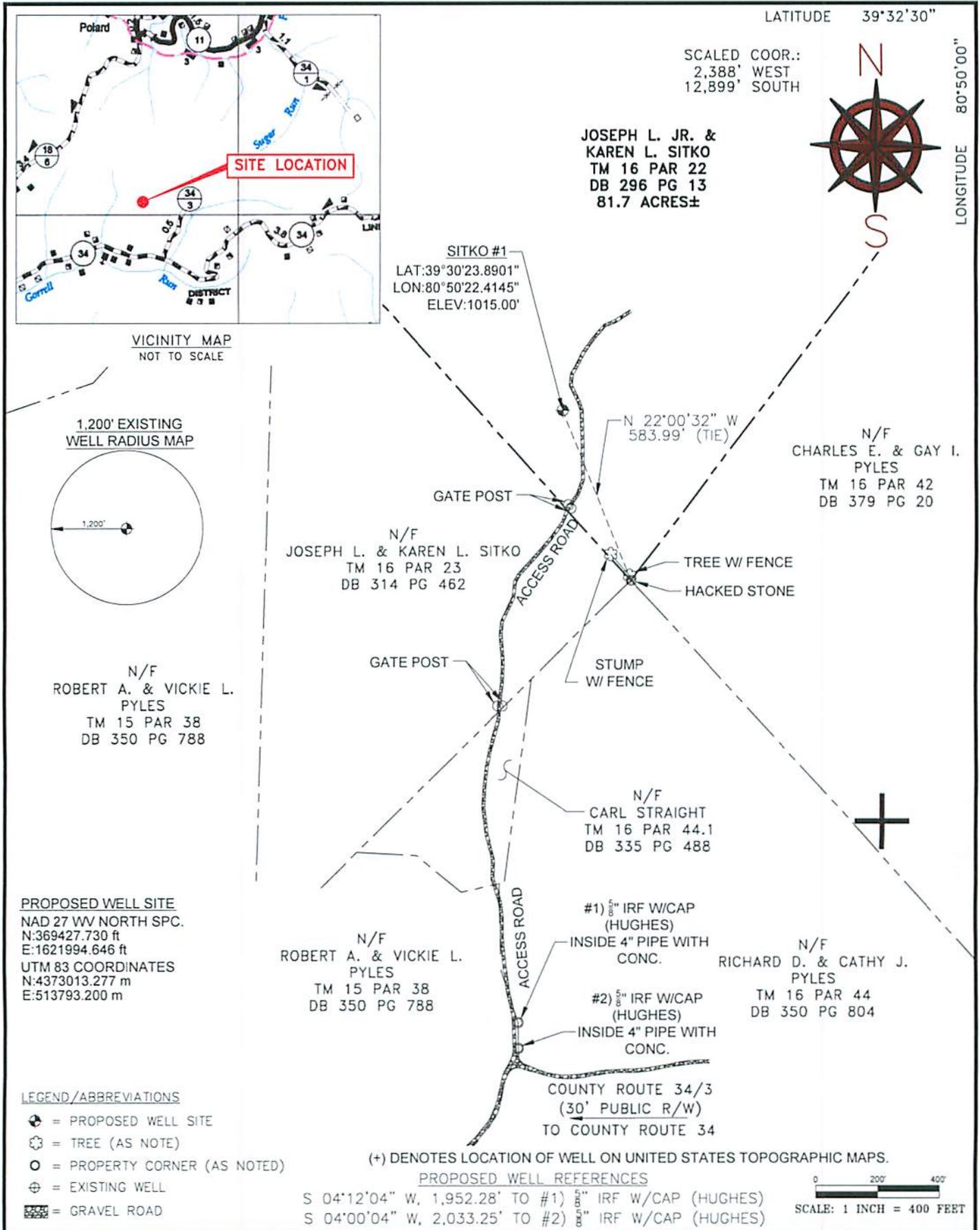
MDB
9-10-15



SCALE: 1 INCH = 2000 FEET

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Office of Oil and Gas
WV Department of Environmental Protection

**SITE LOCATION MAP
MADE FOR
SITKO #1 WELL
TYLER COUNTY, WEST VIRGINIA
PREPARED BY
ENERGY SURVEYS INC.
418 Mayo Street
Clarksburg, WV 26301
304-423-5880
energysurveysinc.com**



PROPOSED WELL SITE
 NAD 27 WV NORTH SPC.
 N:369427.730 ft
 E:1621994.646 ft
 UTM 83 COORDINATES
 N:4373013.277 m
 E:513793.200 m

LEGEND/ABBREVIATIONS

- ⊕ = PROPOSED WELL SITE
- ⊙ = TREE (AS NOTE)
- = PROPERTY CORNER (AS NOTED)
- ⊕ = EXISTING WELL
- ▨ = GRAVEL ROAD

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

PROPOSED WELL REFERENCES

- S 04°12'04" W, 1,952.28' TO #1) 5/8" IRF W/CAP (HUGHES)
- S 04°00'04" W, 2,033.25' TO #2) 5/8" IRF W/CAP (HUGHES)

SCALE: 1 INCH = 400 FEET

<p>PROJECT NUMBER: <u>70-1982</u></p> <p>PROJECT NAME: <u>SITKO WELL</u></p> <p>SCALE: <u>AS SHOWN</u></p> <p>MINIMUM DEGREE OF ACCURACY: <u>SUBMETER</u></p> <p>PROVEN SOURCE OF ELEVATION: <u>DGPS SURVEY</u></p> <p>FORM <u>WW-6</u></p> <p>STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506</p>	<p>I, THE UNDERSIGNED, HEREBY STATE THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.</p> <p>(SIGNED) _____ KURT L. NEWBROUGH PS. # 1618</p>	
<p>WELL TYPE: OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION _____ WASTE DISPOSAL _____ CBM _____ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE _____ DEEP _____ SHALLOW <input checked="" type="checkbox"/></p> <p>LOCATION: ELEVATION <u>1015.00'</u> WATERSHED <u>GORRELL RUN</u> DISTRICT <u>ELLSWORTH</u> COUNTY <u>TYLER</u> QUADRANGLE <u>PORTER FALLS</u> LEASE NUMBER _____</p> <p>SURFACE OWNER <u>JOSEPH L. JR. & KAREN L. SITKO</u> ACREAGE <u>81.7±</u></p> <p>OIL AND GAS ROYALTY OWNER <u>JOSEPH L. JR. & KAREN L. SITKO ET AL</u> LEASE ACREAGE <u>81.7±</u></p> <p>PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ PLUG & ABANDON _____ CLEAN OUT & REPLUG _____ OTHER PHYSICAL CHANGE (SPECIFY) _____</p> <p>TARGET FORMATION <u>GORDON, SPEECHLEY, BENSON</u> ESTIMATED DEPTH <u>2,764', 3,664', 5,114'</u></p> <p>WELL OPERATOR <u>DAVID BOWYER</u> WELL OPERATOR ID # <u>308590</u> DESIGNATED AGENT <u>DAVID BOWYER</u> ADDRESS <u>12088 MIDDLE ISLAND RD. ALMA, WV 26320</u> ADDRESS <u>12088 MIDDLE ISLAND RD. ALMA, WV 26320</u></p>		