



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

November 21, 2013

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-4105687, issued to ROSS, MIKE INC., 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: ALKIRE #3
Farm Name: COLE, CHARLES D. , II
API Well Number: 47-4105687
Permit Type: Vertical Well
Date Issued: 11/21/2013

Promoting a healthy environment.

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.
8. If well work related activities require the use of water obtained by withdrawals from waters of this state in amounts that exceed two hundred ten thousand gallons during any thirty day period, the operator is required to consult, and adhere to, the guidance provided by DEP's Water Withdrawal Guidance Tool prior to any water withdrawals.

WW - 2B
(Rev. 8/10)

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

1) Well Operator: Mike Ross, Inc. 41 04 670

	306085	Lewis	Hackers Creek	Weston 7.5'
Operator ID	County	District	Quadrangle	

2) Operator's Well Number: Alkire No. 3 3) Elevation: 1,401'

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

5) Proposed Target Formation(s): Alexander Proposed Target Depth: 5,990'
 6) Proposed Total Depth: 5,990' Feet Formation at Proposed Total Depth: Alexander
 7) Approximate fresh water strata depths: 170', 235', 395'
 8) Approximate salt water depths: None

9) Approximate coal seam depths: 200'-205', 700'-704'

10) Approximate void depths, (coal, Karst, other): None

11) Does land contain coal seams tributary to active mine? None

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
To drill and stimulate a new well. Frac and produce from the Alexander formation.

13) **CASING AND TUBING PROGRAM**

	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	11 3/4"			30'	30'	Sand In
Fresh Water	8 5/8"			485' 1000'	485' 1000'	CTS
Coal				B.S.	11-7-13	
Intermediate						
Production	4 1/2"			5990'	5990'	
Tubing						
Liners						

Received
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 Office of Oil and Gas
 NOV 8 2013
 WV Dept. of Environmental Protection
 Environmental Protection

Packers: Kind: _____
 Sizes: _____
 Depths Set _____

B.S. 11-7-13

1) Date: November 6, 2013

2) Operator's Well Number
Alkire #3

3) API Well No.: 47 - 041 - 05687
State County Permit

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

*Check # 9913
650.00*

4) Surface Owner(s) to be served:
(a) Name Charles D. Cole II *W*
PO Box 1100
Jane Lew, WV 26378

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Barry Stollings
Address PO Box 1228
Chapmansville, WV 25508
Telephone 304-552-4194

5) (a) Coal Operator
Name NA
Address _____

(b) Coal Owner(s) with Declaration
Name NA
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name NA
Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

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

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 ___ on the above named parties by:

- X 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 Mike Ross, Inc.
By: *[Signature]*
Its: Chairman of the Board
Address Post Office Box 219
Coalton, WV 26257
Telephone 304-472-4289

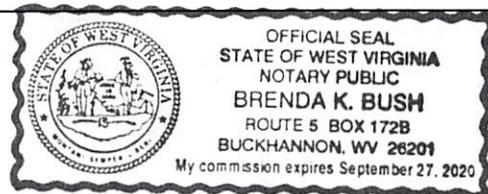
Received
NOV - 8 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 6th day of November, 2013

Brenda K Bush

Notary Public

My Commission Expires September 27, 2020



SURFACE OWNER WAIVER

County **Lewis**

Operator

Mike Ross, Inc.

Operator well number

Alkire #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
A)
1356 Hansford Street
Charleston, Wv 25301
(304) 558-6342

OR District Oil and Gas Inspector
(Name and address listed on page WW2-A)

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 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

CD Galt
Signature

Date 11-7-13
Company Name
By
Its

FOR EXECUTION BY A CORPORATION, ETC.

Office of Oil and Gas
NOV 08 2013
Date

Signature WV Department of Environmental Protection Date

Affidavit Of Personal Service

State Of **West Virginia**
County Of Upshur

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) x / WW-3(A) / WW-4(A) / WW-5(A) / WW-6(A)
- (2) Application on Form WW-2(B) / WW-3(B) / WW-4(B) / WW-5(B) / WW-6(B)
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. **Alkire #3** located in Hackers Creek District, **Lewis** County, West Virginia, upon the person or organization named **Mike Ross, Inc.**
--by delivering the same in Upshur County, State of West Virginia on the **6th** day of **November, 2013** in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him X / her / or, because he / she / refused to take it when offered it, by leaving it in his / her / presence.

Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

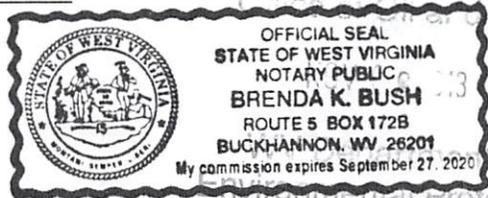
Handing it to the corporation's employee / officer X / director / attorney in fact / named _____

Mike Ross
(Signature of person executing service)

Taken, subscribed and sworn before me this 6th day of November 2013.
My commission expires September 27, 2020.

Brenda Bush
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



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Gas
of
Environmental Protection

WW-2A1
(Rev. 1/11)

Operator's Well Number ALKIRE #3

**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
MIKE ROSS INC.	MIKE ROSS INC.	1/8	671-442

**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

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Office of Oil and Gas

NOV 20 2013

WV Department of
Environmental Protection

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:

MIKE ROSS, INC.

CHAIRMAN OF THE BOARD

WW-2B1
(5-12)

Well No. Alkire 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 Reliance Labs
Sampling Contractor Smith Land Surveying, Inc. - Environmental Division

Well Operator Mike Ross, Inc.
Address P.O. Box 219
Coalton, WV 26257
Telephone 304-472-4289

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 4 potable water sources within 1,000', therefore tests will be offered and samples taken as required.

Office of Oil and Gas
1/17/13
West Virginia Department of
Environmental Protection

4105687

WW-9
(5/13)

Page _____ of _____
API Number 47 - _____ - _____
Operator's Well No. ALKIRE NO. 3

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Mike Ross, Inc. dba Ross & Wharton Gas Co. OP Code 306085

Watershed (HUC 10) Hackers Creek Quadrangle Weston 7.5'

Elevation 1,401' County Lewis District Hackers Creek

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 ✓ No _____

If so, please describe anticipated pit waste: _____

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

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

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

Additives to be used in drilling medium? _____

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) Cement/Lime

-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 Mike Ross

Company Official (Typed Name) Mike Ross

Company Official Title Chairman of the Board

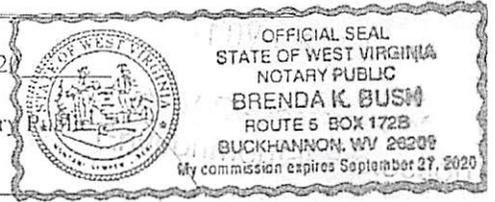
Received
NOV - 8 2010
Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this _____ day of _____, 2010

Brenda K. Bush

Notary Public

My commission expires September 27, 2020



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 +/- Prevegetation pH _____

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 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
KY-31		40
ALSIKE CLOVER		5
ANNUAL RYE		15

Seed Type	Area II	lbs/acre
ORCHARD GRASS		15
ALSIKE CLOVER		5

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

Photocopied section of involved 7.5' topographic sheet.

Received

NOV - 8 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

Approved by: Bary Stilling
Inspector

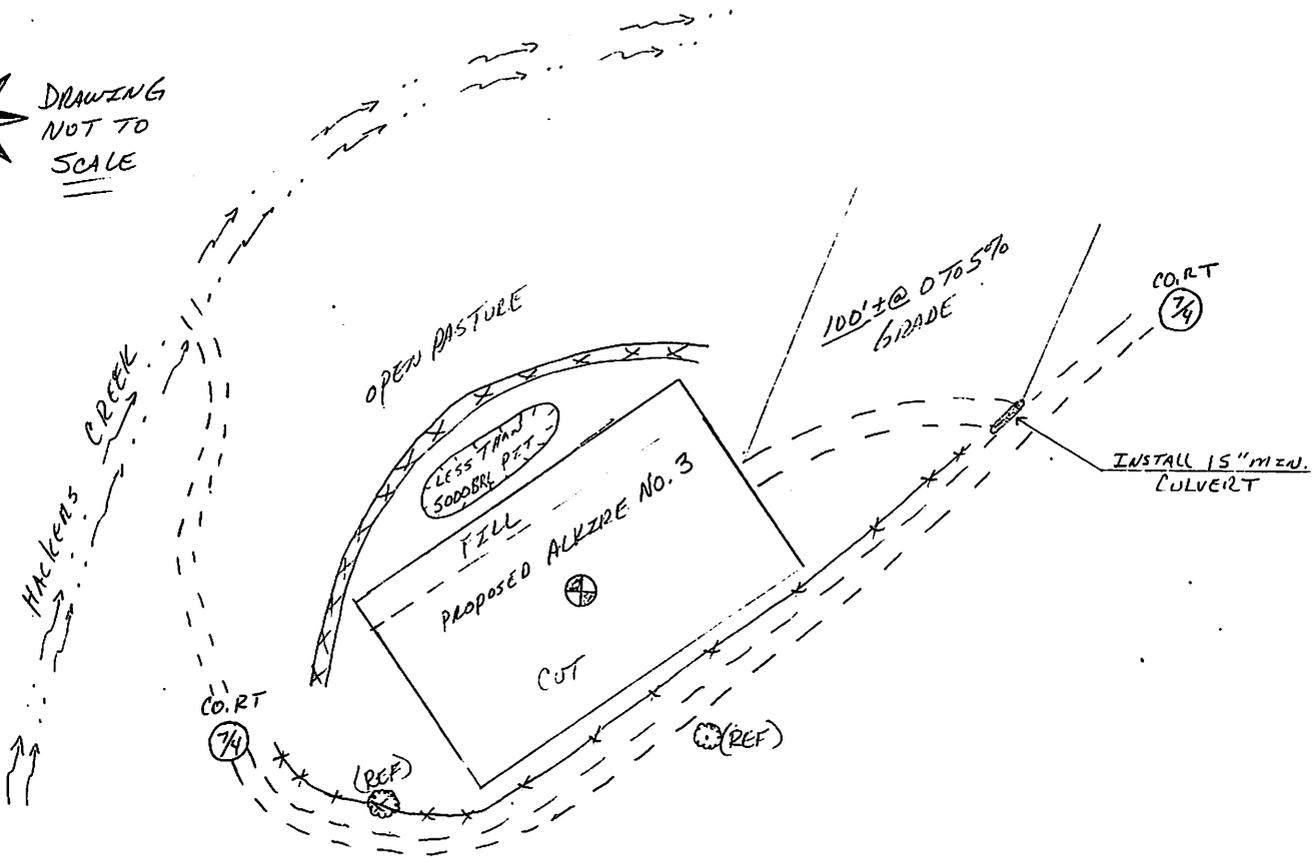
Date: 11-7-13

Yes No

ALKIRE LEASE WELL NO. 3



DRAWING
NOT TO
SCALE



B.S. 11-7-13

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.

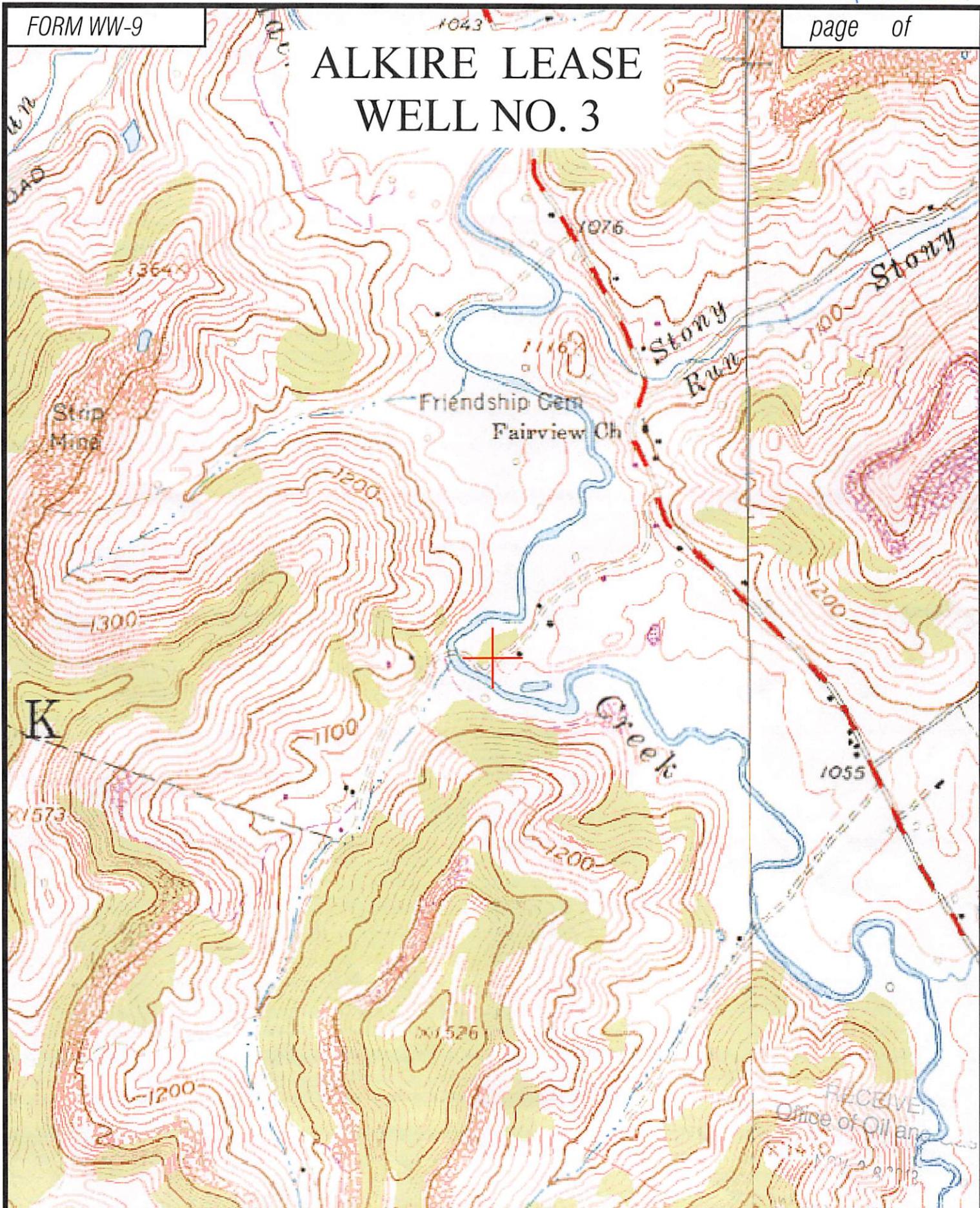
STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

Office of Oil and Gas

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 JAS DATE 11/04/13 FILE NO. 8106

ALKIRE LEASE WELL NO. 3



Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING



Surveyors
Professional Engineer
SLS
Engineers
Environmental

228 West 7th St.
P.O. Box 100
Cassville, MO 64531
(816) 432-9014

8095 Dicks Bottom Road
Sharyville, OH 43347
(740) 671-9011

Honesty Integrity Quality

TOPO SECTION OF: WESTON 7.5' *B.S. 11-7-13*

FILE NO. 8106

DATE: 11/06/13

SCALE: 1"=1,000'

LATITUDE 39°05'00"
ALKIRE LEASE
150 ACRES±
WELL NO. 3

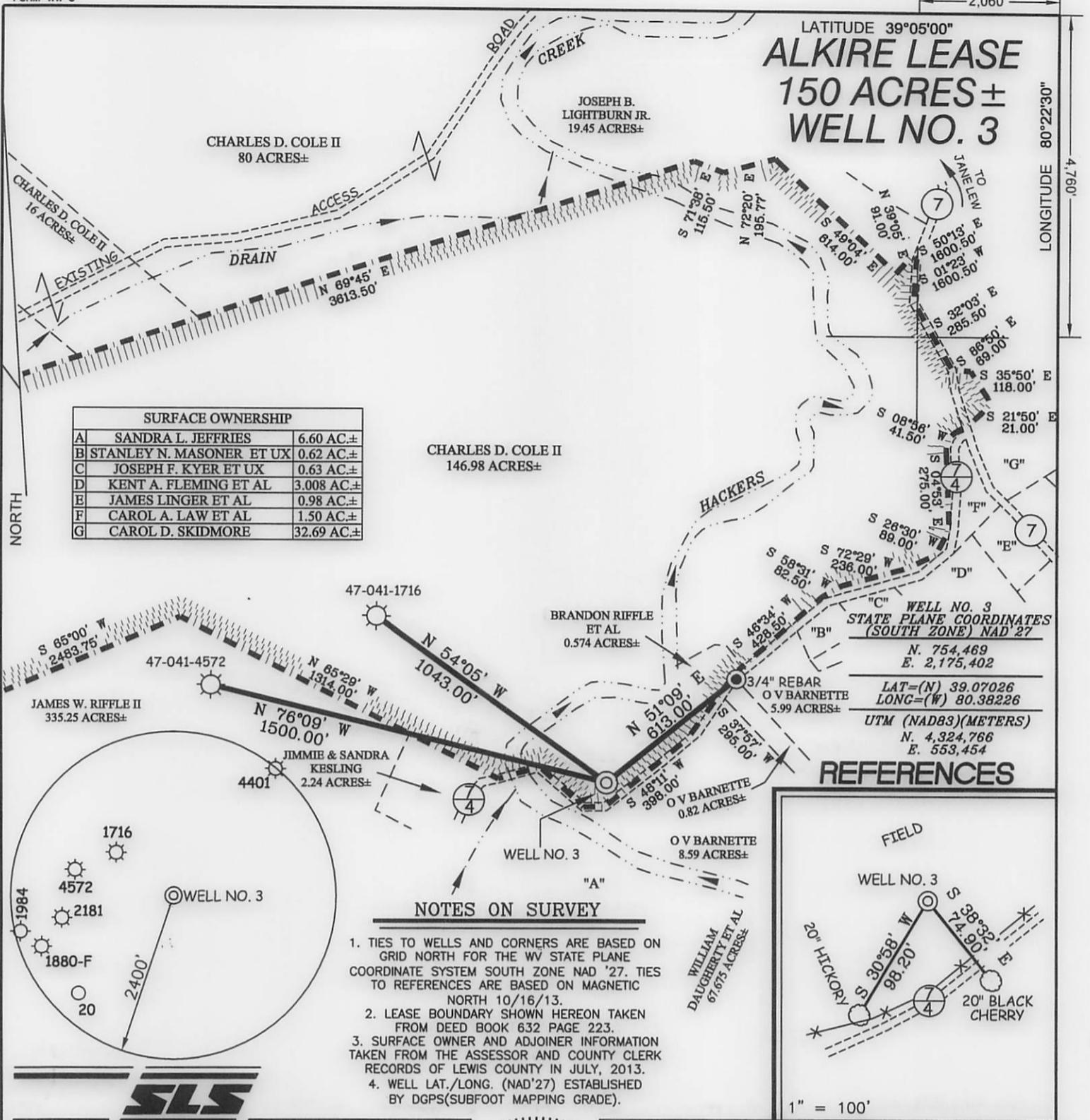
CHARLES D. COLE II
80 ACRES±

JOSEPH B.
LIGHTBURN JR.
19.45 ACRES±

CHARLES D. COLE II
146.98 ACRES±

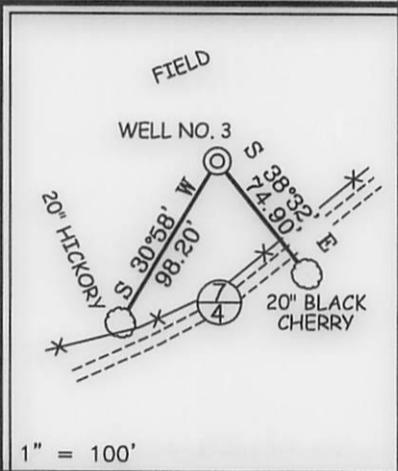
SURFACE OWNERSHIP		
A	SANDRA L. JEFFRIES	6.60 AC.±
B	STANLEY N. MASONER ET UX	0.62 AC.±
C	JOSEPH F. KYER ET UX	0.63 AC.±
D	KENT A. FLEMING ET AL	3.008 AC.±
E	JAMES LINGER ET AL	0.98 AC.±
F	CAROL A. LAW ET AL	1.50 AC.±
G	CAROL D. SKIDMORE	32.69 AC.±

NORTH



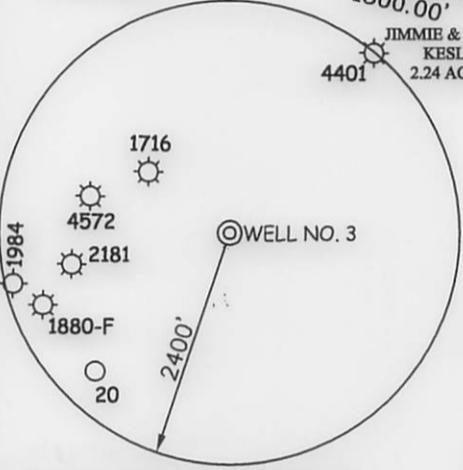
STATE PLANE COORDINATES
(SOUTH ZONE) NAD 27
N. 754,469
E. 2,175,402
LAT=(N) 39.07026
LONG=(W) 80.38226
UTM (NAD83)(METERS)
N. 4,324,766
E. 553,454

REFERENCES



NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/16/13.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 632 PAGE 223.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LEWIS COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBFOOT MAPPING GRADE).



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 NOVEMBER 5, 20 13
OPERATORS WELL NO. ALKIRE #3
API WELL NO. 47-041-05687
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8106P3 (482-79)
PROVEN SOURCE OF ELEVATION DGPS (SUBFOOT MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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 1,401' WATERSHED HACKERS CREEK
DISTRICT HACKERS CREEK COUNTY LEWIS QUADRANGLE WESTON 7.5'

SURFACE OWNER CHARLES D. COLE II ACREAGE 146.98±
ROYALTY OWNER GUY ALKIRE HEIRS LEASE ACREAGE 150±

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 ALEXANDER
ESTIMATED DEPTH 5,990'

WELL OPERATOR MIKE ROSS, INC DESIGNATED AGENT MIKE ROSS
ADDRESS P.O. BOX 219 ADDRESS P.O. BOX 219
COALTON, WV 26257 COALTON, WV 26257

COUNTY NAME PERMIT

Mike Ross, Inc.

Rt 5 Box 29, Buckhannon, WV 26201 - Office (304) 472-4289 Fax (304) 472-7405

November 6, 2013

Department of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304
(304) 926-0499

Enclosed please find:

- OP-77 for wells to be transferred to our bond.
- Check # for transferring fee for \$50.00
- WR-35 Completion Report
- Pit treatment Report
- X Permit Application for Alkire #3
- Other

Should you have any questions, please do not hesitate to contact our office at (304) 472-4289 or Fax (304) 472-7405.

Yours truly,

Mike Ross, Inc.

Enclosure

RECEIVED
Office of Oil and Gas
NOV 08 2013
WV Department of
Environmental Protection