



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, May 13, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

SIGMA CORPORATION
8 CAPITOL STREET, SUITE 500
CHARLESTON, WV 253010000

Re: Permit approval for LON GIBSON 1
47-045-00832-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: LON GIBSON 1
Farm Name: GIBSON, RANNY
U.S. WELL NUMBER: 47-045-00832-00-00
Vertical Plugging
Date Issued: 5/13/2021

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4B
Rev. 2/01

1) Date 10/20, 2020
2) Operator's Well No. Gibson 1
3) API Well No. 47-045-00832

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 1413' Watershed Tan Trough Hollow of the Guyandotte River
District Triadelphia County Logan Quadrangle Mallory 7.5'

6) Well Operator Sigma Corp. 7) Designated Agent Tom Hansen
Address 8 Capitol St., Ste. 500 Address 8 Capitol St.
Charleston, WV 25301 Charleston, WV 25301

8) Oil and Gas Inspector to be notified Name Terry Urban
Address PO Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Stalnaker Energy Corp.
Address 220 W. Main St.
Glennville, WV 26351

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

See attached plugging procedure. From Operator's Prod,
Will cover with Cement all perms, production
ZONES, Elevation Coal & Fresh water

Operator to use Cell to Leak & Displace plugs

★ MUST COVER COAL SEAM @ 685'-688',
SET 100' CLASS A CEMENT PLUG FROM 730' TO 630' - JWR

RECEIVED
Office of Oil and Gas
OCT 26 2020

WV Department of
Environmental Protection

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

Work order approved by inspector [Signature] Date 10-26-20

PLUGGING PROCEDURE

Boyd O & G, Inc

Gibson #1

API #47-045-00832

Elevation 1402'

DATA:

- 4-1/2" Casing to 3612'
- Top of Cement - Estimate @ 2500'
- 8 5/8" Casing - 1880' - CTS?
- Perforations - 2958' to 2966'

CAPACITIES:

- 2-3/8" Tubing - 262 Ft./Bbl
- 4-1/2" Casing - 62 Ft./Bbl
- 7 7/8" Open Hole - 16.6 Ft./Bbl
- 8 5/8" Casing - 15.7 Ft./Bbl

PRODECURE:

DAY ONE

1. Check pressure on 4 1/2" casing and 8 5/8" casing.
2. Blow well down into tank.
3. Run in hole with sand line tools and attempt to tag bottom of hole. There is an obstruction at 60' that appears to be parted or shifted casing possibly by mine subsidence.
4. If small sand line tools can not get down hole, rig up power swivel and mill and attempt to mill through obstruction at 60'.
5. If small sand line tools CAN get down hole, rig up and run 1" tubing to bottom of hole at 3621' or at least 100' below 2966', 3066'.

Gel to used on head of plugs

DAY TWO

6. Set Cement Plug From TD of tubing to 100' above top perforation, 2858'.
 - a. Estimated 27 ft³, 23 Sacks of Cement, 4.8 bbl cement. Class "A" 2% CaCl₂.
 - b. Displace With enough Water to balance plug. *DISPLACE WITH 6% BENTONITE GEL*
 - c. Pull tubing above cement and reverse circulate.
7. Shut in well head to prevent cement moving up hole. WOC.

DAY THREE

8. Rig up Nine Energy and tag top of cement to be sure cement top is above 2858'
9. Pull CBL and free point to determine free point of pipe above cement top estimated at 2500'.
10. Run in with Nine Energy and cut 4 1/2" casing. Make sure it is free.
11. Because of the amount of open hole estimated between the casing cut at 2500' and the bottom of the 8 5/8" casing, recommend using the 4 1/2" casing as the plugging string to prevent the hole caving in on top of the cut.
12. Mix and pump 200 foot cement plug for casing cut plug.
 - a. 70 ft³, 60 sacks of Class A Cement with 2% CaCl₂, 12.5 Bbl Cement.
 - b. Displace with 38 barrels of 6% gelled water.
13. Pull 4 1/2" casing to 1450'
14. Set 100' cement plug at elevation from 1450' to 1350'.
 - a. 36 ft³, 30 Sacks of Cement, 6.4 barrels of Cement.
 - b. Displace with 22 barrels of gelled water.
15. Pull 4-1/2" Casing to 400' 400'
16. Set 400' Cement Plug From 300' to Surface *COVER COAL (373'-375') - WATER IN COAL SEAM.*
 - a. 91 sks of cement
 - b. Grout to surface
17. Pull Remaining 4-1/2" Casing from Well
18. Set Monument - 6" casing, 30" above surface and 10' below surface, identified with the API number and filled with concrete.

RECEIVED
Office of Oil and Gas

OCT 26 2020

WV Department of
Environmental Protection

COVER COAL @ 685' TO 683' WITH CEMENT PLUG FROM 730' TO 630'.

USE CLASS A CEMENT WITH NO MORE THAN 3% CaCl₂ GEL: FRESH WATER WITH A MINIMUM OF 6% BENTONITE (BY WEIGHT).

[Signature]
05/14/2021
10-26-20



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Gilbert

WELL RECORD

Permit No. Log - 832

Oil or Gas Well GAS
(KIND)

Company Robert W. Adams and Associates
Address Suite 1420, 1700 Broadway, Denver, Colo.
Farm Lon Gibson Acres 157.40
Location (waters) Guyandotte
Well No. 1 Elev. 1402 Gd
District Triadelphia County Logan
The surface of tract is owned in fee by Lon and Emma Gibson Address Bruno, West Va.
Mineral rights are owned by Lon and Emma Gibson Address Bruno, West Va.

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|---------------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 10-3/4" | | 75' | none |
| 8-5/8" | | 1880' | Size of |
| 6 5/8" | | | Depth set |
| 5 9/16" | | | Perf. top <u>2958'</u> |
| 4 1/2" | | 3612" | Perf. bottom <u>2966'</u> |
| 2" | | | Perf. top |
| Liners Used | <u>None</u> | | Perf. bottom |

Drilling commenced 11-12-63
Drilling completed 12-10-63
Date Shot From To
With
Open Flow 50 /10ths Water in one Inch
/10ths Merc. in Inch
Volume 84,000 Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED 5,000 Gallons
Retarded Acid
WELL FRACTURED

CASING CEMENTED SIZE No. Ft. Date
10-3/4 - 40 SAX, 8-5/8" 200 SAX, 4 1/2" - 100 SAX, 176 SAX
COAL WAS ENCOUNTERED AT 71' FEET 24" INCHES
131 FEET 24 INCHES 215 FEET 48 INCHES
142 FEET 36 INCHES 268 FEET 24 INCHES
176 FEET 24 INCHES 268 FEET 24 INCHES
373 FEET 24 INCHES 685 FEET 36 INCHES
664 FEET 12 INCHES

RESULT AFTER TREATMENT 3,840,000
ROCK PRESSURE AFTER TREATMENT 737#
Fresh Water 65' Feet Salt Water Feet

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------|-------|--------------|-----|--------|--------------------|-------|---------|
| SAND & SHALE | | | Sfc | 71 | Fresh Water | | |
| COAL | | | 71 | 73 | | | |
| SAND & SHALE | | | 73 | 131 | | | |
| COAL | | | 131 | 133 | | | |
| SLATE | | | 133 | 142 | | | |
| COAL | | | 142 | 145 | | | |
| SAND & SHALE | | | 145 | 176 | | | |
| COAL | | | 176 | 178 | | | |
| SAND & SHALE | | | 178 | 215 | | | |
| COAL | | | 215 | 219 | | | |
| SAND & SHALE | | | 219 | 268 | | | |
| COAL | | | 268 | 270 | | | |
| SANDY SHALE | | | 270 | 373 | | | |
| COAL | | | 373 | 375 | Water in coal seam | | |
| SAND & SHALE | | | 375 | 664 | | | |



RECEIVED
Office of Oil and Gas
OCT 28 2020
05/14/2021
WV Department of Environmental Protection

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------------------|-------|--------------|------|---------|--------------------------|--------------|----------------------|
| COAL | | | 664 | 665 | | | |
| SAND & SHALE | | | 665 | 685 | | | |
| COAL | | | 685 | 688 | | | |
| BROKEN SAND & SHALE | | | 688 | 1210 | | | |
| SALT SD | | Hard | 1210 | 1805 | | | |
| SAND, SHALE & LIMESTONE | | | 1805 | 2085 | | | |
| SAND SANDY SHALE | | Hard | 2085 | 2227 | | | |
| | | | 2227 | 2341 | | | |
| MAXTON SD | | | 2341 | 2430 | | | |
| SD & SHALE | | | 2430 | 2583 | | | |
| PENCIL CAVE | | | 2583 | 2620 | | | |
| BIG LIME | | | 2620 | 2993 | SHOW GAS GAS INCREASE | 2780 2960 | 16.5 Mcf 84.2 Mcf |
| INJUN SAND & SHALE | | | 2993 | 3045 | | | |
| | | | 3045 | 3583 | | | |
| BEREA | | Hard | 3583 | 3610 | | | |
| SHALE | | | 3610 | 3663 TD | | | |

NOTE: Well Drilled to Berea and plugged back. Lost original cement job across Big Lime. Squeeze cemented Big Lime Section. Perforated and acidized Big Line with 12,000 gallons HCl. Acid channeled to Injun Sand. Squeezed perforations. Cleaned out hole and reperforated 2958-2966. Acidized with 5000 gallons. Well completed with open flow of 3,840,000 cubic feet of gas on February 20, 1964.

RECEIVED
Office of Oil and Gas

OCT 28 2020

WV Department of
Environmental Protection

Date March 15, 19 64 05/14/2021

APPROVED Robert W. Adams and Associates, Owner

By Howard B. Shirley

(Title)
HOWARD B. SHIRLEY
OPERATIONS MANAGER

WW-4A
Revised 6-07

1) Date: 10/20/20
2) Operator's Well Number
Gibson 1

3) API Well No.: 47 - 045 - 00832

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>Ranny Gibson, Et Al</u> ✓ | Name <u>N/A</u> |
| Address <u>PO Box 154</u> | Address _____ |
| <u>Bruno, WV 25611</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>None</u> |
| _____ | Address _____ |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector <u>Terry Urban</u> | (c) Coal Lessee with Declaration |
| Address <u>PO Box 1207</u> | Name <u>N/A</u> |
| <u>Clendenin, WV 25045</u> | Address _____ |
| Telephone <u>304-549-5915</u> | _____ |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Sigma Corp.
 By: Tom Hansen *Tom Hansen*
 Its: President
 Address 8 Capitol St., Ste. 500
Charleston, WV 25301
 Telephone _____

RECEIVED
Office of Oil and Gas

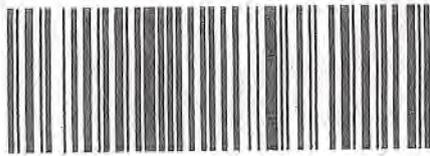
Subscribed and sworn before me this 28 day of October 2020
Maria Cormany Notary Public
My Commission Expires 6/19/2023

OCT 30 2020
WV Department of Environmental Protection

Oil and Gas Privacy Notice

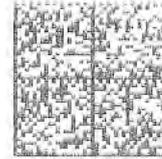
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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

CERTIFIED MAIL



7018 2290 0000 1197 7622

FIRST-CLASS



US POSTAGE

\$ 007.80⁰

02 7H
0001267858 OCT 32 2020
MAILED FROM ZIP CODE 26351

SMITH LAND SURVEYING, INC.

12 Vanhorn Drive
PO Box 150
Glennville, WV 26351

TO: RANNY GIBSON, ET AL
PO BOX 154
BRUNO, WV 25611

WV Department of
Environmental Protection

OCT 28 2020

RECEIVED
Office of Oil and Gas

47-045-008329

WW-9
(5/16)

API Number 47 - 045 - 00832
Operator's Well No. Gibson 1

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

Operator Name Sigma Corp. OP Code 306472

Watershed (HUC 10) Tan Trough Hollow of the Guyandotte River Quadrangle Mallory 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? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain AST hauled to Approved Wastewater Disposal Site)

Will closed loop system be used? If so, describe: Well will be plumbed into a closed tank and disposed at an approved facility.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Fresh Water

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

Additives to be used in drilling medium? Bentonite Gel

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit 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) Tom Hansen

Company Official Title President

RECEIVED
Office of Oil and Gas

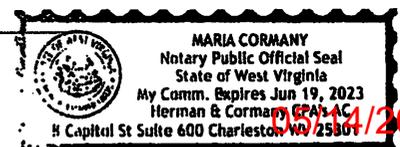
OCT 30 2020

Subscribed and sworn before me this 28 day of October, 2020

WV Department of
Environmental Protection

[Signature] Notary Public

My commission expires 6/19/2023



TU
10-26-20

10/21/2021

Proposed Revegetation Treatment: Acres Disturbed 4 Prevegetation pH 6.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 1/3 ton lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

| Temporary | | Permanent | |
|----------------------|-----------|----------------------|-----------|
| 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:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Operator to Use All BMP's when Reclaiming

plus

RECEIVED
Office of Oil and Gas

OCT 26 2020

Title: [Signature]

Field Reviewed? Yes No

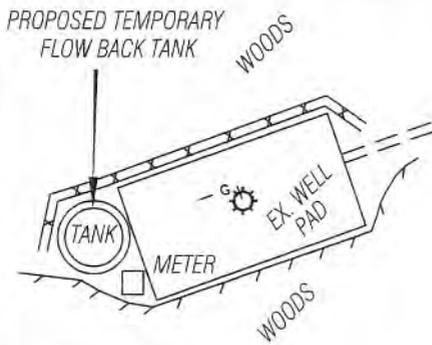
Date: 10-26-20

WV Department of Environmental Protection

Form WW-9

LON GIBSON LEASE 47-045-0832

page of



Detail Sketch for 47-045-0832

11
5

11
5

550' ± @
5-10% GRADE ±

47-045-0823
PIPELINE CROSSING
APPLY STONE

100' ± @
0-5% GRADE ±

EXISTING CULVERT

2085' ± @
20-25% GRADE ±

47-045-0825

2855' ± @
0-5% GRADE ±

PIPELINE CROSSING
APPLY STONE

155' ± @
10-15% GRADE ±

515' ± @
0-5% GRADE ±

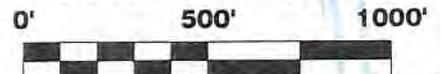
SLIP AREA

355' ± @
10-15% GRADE ±

200' ± @
0-5% GRADE ±

255' ± @
10-15% GRADE ±

SCALE: 1"=500'



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. REGULATION. 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.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

RECEIVED
Office of Oil and Gas

OCT 26 2020

WV Department of
Environmental Protection



Not To Scale
GAS WELL
NO. 47-045-0832
LON GIBSON #1



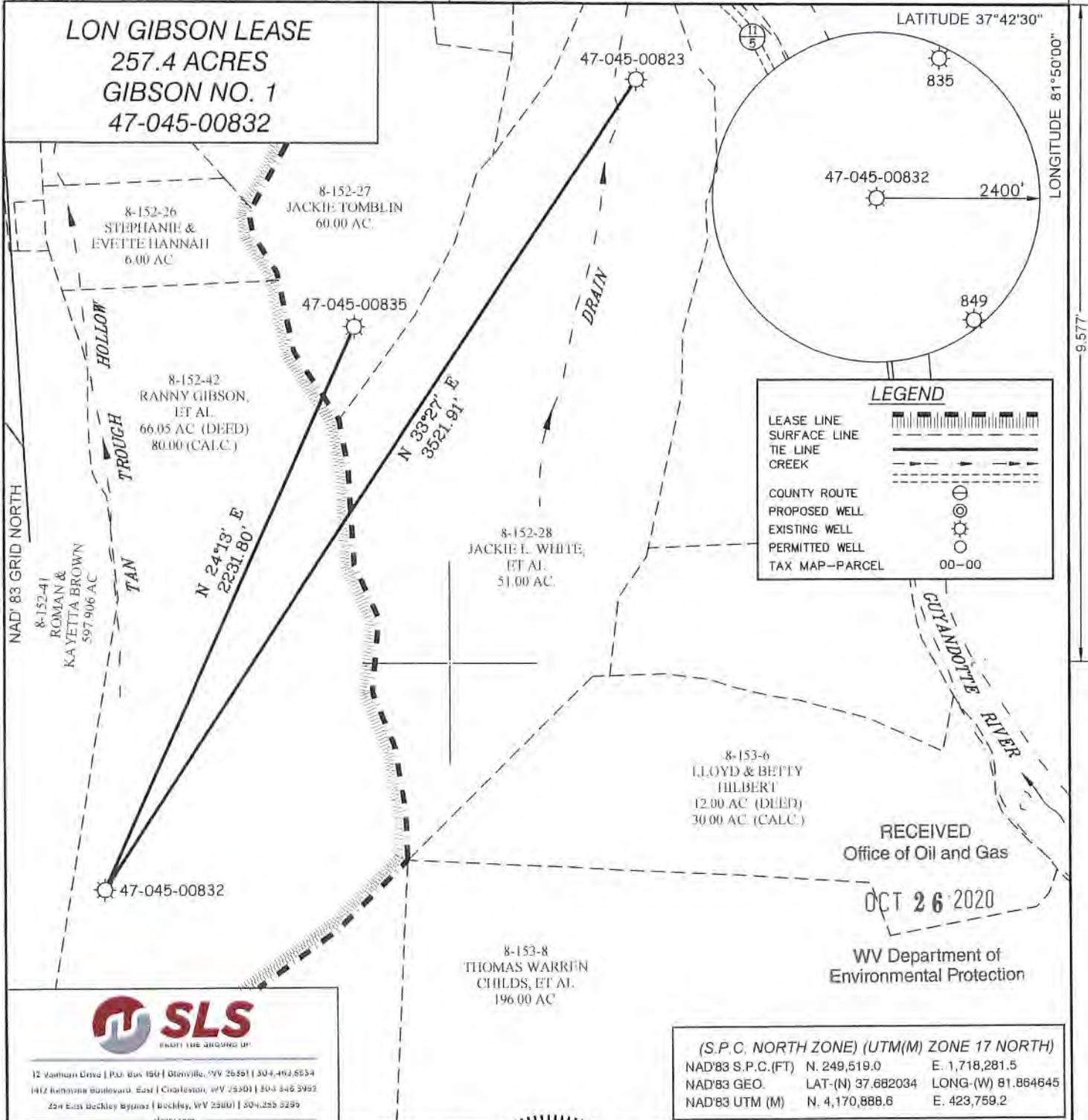
1000 Mountain Drive | P.O. Box 150 | Glenville, WV 26031 | 204.662.8654
412 Kanawha Boulevard, East | Charleston, WV 25301 | 204.246.2757
254 East Beckley Avenue | Beckley, WV 25801 | 204.255.3106
www.sls.com

TOPO SECTION OF MALLORY 7.5'
TOPO QUADRANGLE

| | | | |
|-----------------|------------------|------------------|------------------------------|
| DRAWN BY CPM | FILE NO. 9039 | DATE 10-16-20 | CADD FILE: 9039REC832.dwg |
|-----------------|------------------|------------------|------------------------------|

05/14/2021

47-045-00832P



12 Vermont Drive | P.O. Box 150 | Glenville, WV 26029 | 304-463-6534
1412 Remount Boulevard, East | Charleston, WV 25301 | 804-346-3992
254 East Beckley Bypass | Beckley, WV 25801 | 304-255-5295
slsw.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD'83 S.P.C.(FT) N. 249,519.0 E. 1,718,281.5
NAD'83 GEO. LAT.(N) 37.682034 LONG.(W) 81.864645
NAD'83 UTM (M) N. 4,170,888.6 E. 423,759.2

RECEIVED
Office of Oil and Gas
OCT 26 2020
WV Department of
Environmental Protection

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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE OCTOBER 19, 20 20
REVISED _____, 20 ____
OPERATORS WELL NO. LON GIBSON NO. 1
API WELL NO. 47 - 045 - 00832P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9039P0832.dwg
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER 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 X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

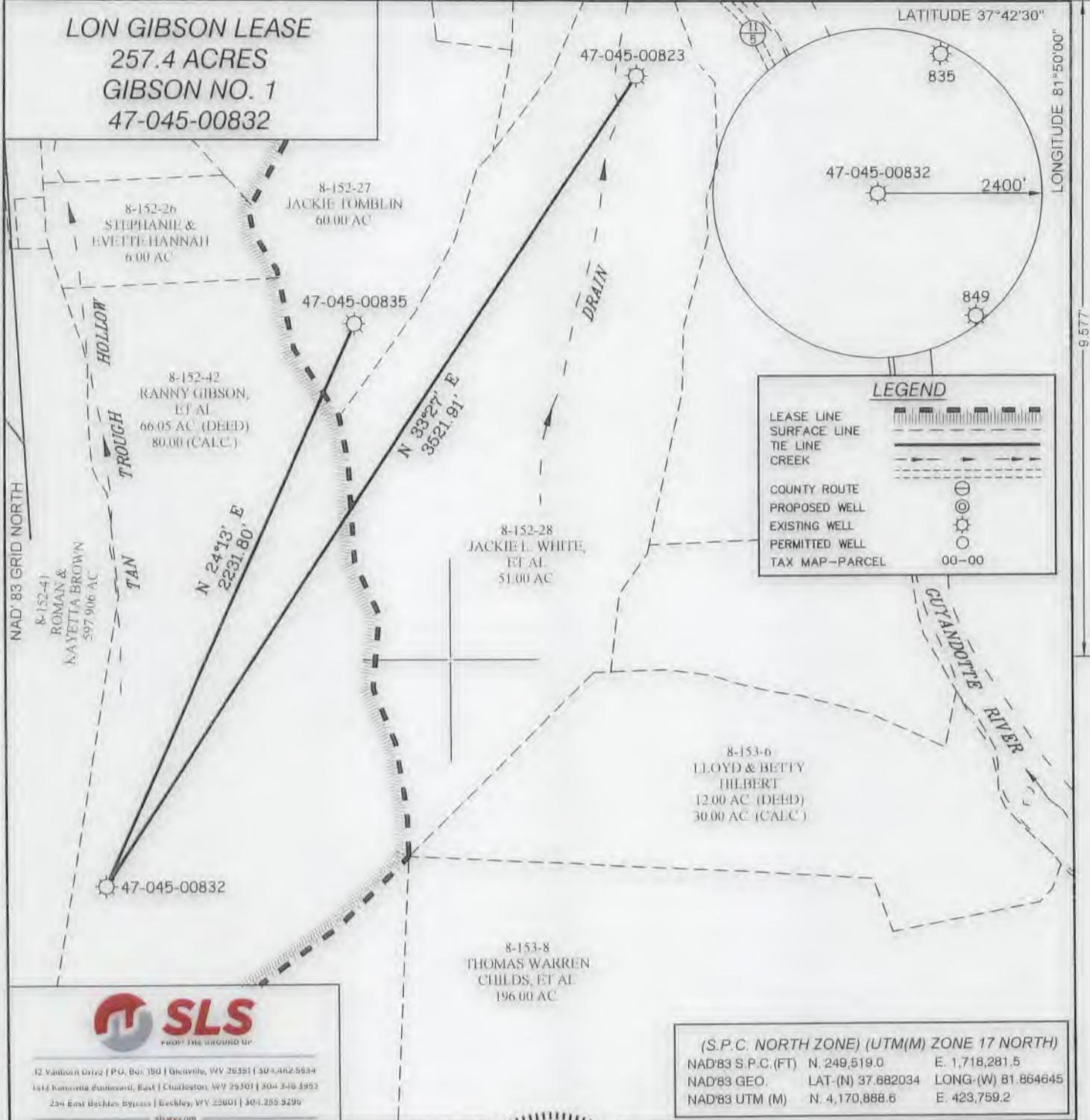
LOCATION:
ELEVATION 1,413' WATERSHED TAN TROUGH HOLLOW OF THE GUYANDOTTE RIVER
DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MALLORY 7.5'

SURFACE OWNER RANNY GIBSON, ET AL ACREAGE 66.05±
ROYALTY OWNER LON & EMMA GIBSON HEIRS OR ASSIGNS ACREAGE 257.4±

PROPOSED WORK:
DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON X CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BEREA ESTIMATED DEPTH 3,663'

WELL OPERATOR SIGMA CORPORATION DESIGNATED AGENT TOM HANSEN
ADDRESS 8 CAPITOL ST., STE 500 CHARLESTON, WV 25301 ADDRESS 8 CAPITOL ST., STE 500 CHARLESTON, WV 25301

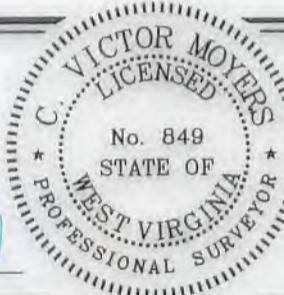
05/14/2021



12 Vanhook Drive | P.O. Box 150 | Glenville, WV 26551 | 304.462.5644
 1514 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 204 East Beckley Bypass | Beckley, WV 25801 | 304.255.3295
 sls.wv.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 249,519.0 E. 1,718,281.5
 NAD'83 GEO. LAT-(N) 37.682034 LONG-(W) 81.864645
 NAD'83 UTM (M) N. 4,170,888.6 E. 423,759.2

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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE OCTOBER 19 20 20
 REVISED _____ 20 _____
 OPERATORS WELL NO. LON GIBSON NO. 1
 API WELL NO. 47 - 045 - 00832
 STATE COUNTY PERMIT

P.S. 849 *C. Victor Moyers*

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9039P0832.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORNS 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 1,413' WATERSHED TAN TROUGH HOLLOW OF THE GUYONDOTTE RIVER
 DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MALLORY 7.5'

SURFACE OWNER RANNY GIBSON, ET AL ACREAGE 66.05±
 ROYALTY OWNER LON & EMMA GIBSON HEIRS OR ASSIGNS ACREAGE 257.4±

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 3,663'

WELL OPERATOR SIGMA CORPORATION DESIGNATED AGENT TOM HANSEN
 ADDRESS 8 CAPITOL ST., STE 500 ADDRESS 8 CAPITOL ST., STE 500
 CHARLESTON, WV 25301 CHARLESTON, WV 25301

05/14/2021

COUNTY NAME PERMIT