



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 27, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3300365, issued to CNX GAS COMPANY LLC , 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.

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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.


James Martin
Chief

Operator's Well No: 10629
Farm Name: BOGGESS, D. R. & C. T.
API Well Number: 47-3300365
Permit Type: Plugging
Date Issued: 05/27/2016

Promoting a healthy environment.

05/27/2016

PERMIT CONDITIONS

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

CONDITIONS

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

1) Date _____, 20_____
2) Operator's
Well No. 10629
3) API Well No. 47-033 - 00365

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

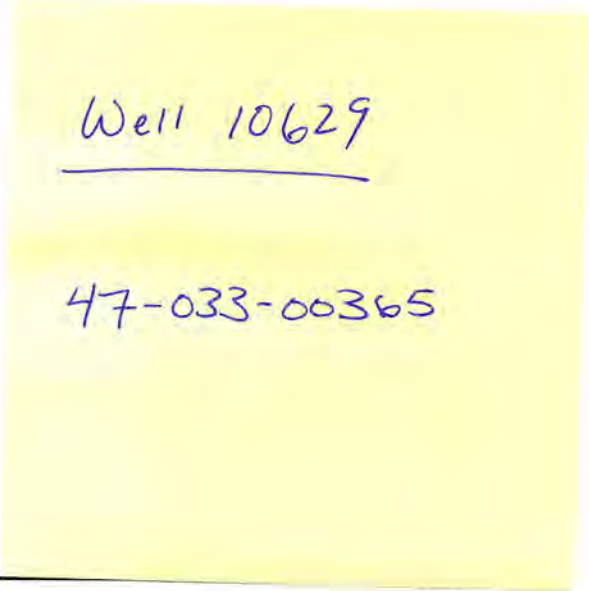
4) Well Type: Oil ____/ Gas / Liquid injection ____/ Waste disposal ____/
(If "Gas, Production or Underground storage ____) Deep ____/ Shallow

5) Location: Elevation 1165.61' Watershed Little Run
District Eagle County Harrison Quadrangle Wallace

6) Well Operator CNX Gas Company LLC 7) Designated Agent Anthony Kendziora
Address P.O. Box 1248 Address P.O. Box 1248
Jane Lew, WV Jane Lew, WV

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name See Attached
Address P.O. Box 2327 Address _____
Buckhannon, WV 26201

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



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

Work order approved by inspector Sam Ward

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Office of Oil and Gas
Date 4/27/2016
WV Department of
Environmental Protection
05/27/2016

Attachment – Form WW-4B:

Potential Plugging Contractors:

Waco Oil & Gas
P.O. Box 397
Glenville, WV 26351

Viking Well Service
8113 Sissonville Drive
Sissonville, WV 25320

Stalnaker Energy
220 West Main Street
Glenville, WV 26351

Contractor Services Inc.
929 Charleston Road
Spencer, WV 25276

Coastal Drilling
130 Meadow Ridge Rd, STE 24
Mount Morris, PA 15349

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05/27/2016

WW-4B

API No.	<u>47-033-00365</u>
Farm Name	<u>D.R. Boggess / Matthew J. Coleman</u>
Well No.	<u>10629</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner ✓ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. 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.

Date: March 17, 2015

[Signature]
By: _____
Its _____

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 Office of Oil and Gas
 MAY 02 2015
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 Environmental Protection
05/27/2016

WW-4B

API No.	47-033-00365
Farm Name	D.R. Boggess / Matthew J. Coleman
Well No.	10629

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WAIVER

The undersigned coal operator _____ / owner X / lessee _____ / of the coal under this well location has examined this proposed plugging work order. 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.

Date: 3/30/15

By: [Signature]
Its VP for Finance

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Plugging Work Order for Permit 47-033-00365

CNX Gas - Well DADI 10629

1. Verify and remove 2" tubing and packer from well.
2. Verify 4 1/2" casing TD and swab dry.
3. Displace cement plug from 1700'-TD with 6% gel and 4 1/2" wiper plug.
4. Wait on cement.
5. Bond log/free point 4 1/2" casing.
6. Cut 4 1/2" casing @ 1630' (est. cement top), and pull up 2'.
7. Pump cement to surface using 4 1/2" casing in 3 lifts.
8. Pull 4 1/2" casing from well and top of cement to surface.
9. Install 6" diameter x 14' monument (10' below grade, 4' above grade)
API 47-033-00365.

ok

gjm

Work Order approved by Inspector

S. D. Warrick

Date:

4/11/16

Note: All cement will be Class A. All spacers between plugs will be 6% gel.

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STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

- Rotary [] Spudder [x] Cable Tools [x] Storage []

Quadrangle Clarkburg MAR Permit No. -365

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Allegheny Land & Mineral Co. Address Clarksburg, W. Va. Farm D. R. & C. T. Boggass Acres 174 1/2 Location (waters) Well No. A-269 Elev. 1177 District Eagle County Harrison

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Includes data for sizes 16, 13, 10, 8 1/4, 6 3/4, 5 3/16, and 4 1/2 inches.

The surface of tract is owned in fee by Same Lumberport, W. Va. Address Mineral rights are owned by Same Address Drilling commenced Dec. 10, 1964 Drilling completed Mar. 11, 1965 Date Shot From To With Open Flow /10ths Water in show Inch /10ths Merc. in Inch Volume Cu. Ft. Rock Pressure lbs. hrs. Oil bbls., 1st 24 hrs. WELL ACIDIZED

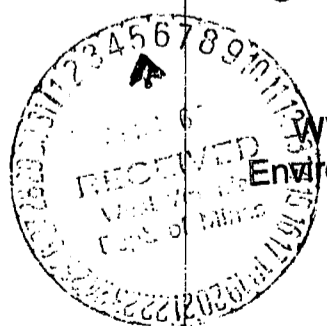
CASING CEMENTED 4 1/2 SIZE 325 No. Ft. 3-15-65 Date

COAL WAS ENCOUNTERED AT 50 FEET to 53 FEET 440 FEET to 443 FEET FEET INCHES FEET INCHES

WELL FRACTURED River frac. w/700 bbl. water, 28,000# sand, acid

RESULT AFTER TREATMENT 50/10 m-2", 1,100M ROCK PRESSURE AFTER TREATMENT R. P. 520# 12 hrs. (tested after one hour open) Fresh Water hole full Feet 30 Salt Water 4 bailers hr. Feet 1410

Main well log table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Lists geological layers from Soil to sand and includes perforation details.



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05/27/2016

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	black		1125	1130			
sand			1130	1195			
slate			1195	1197			
sand			1197	1245			
slate			1245	1275			
sand			1275	1324			
slate			1324	1333			
sand			1333	1435	water	1410	4 bailers hr.
slate			1435	1453			
sand			1453	1495			
slate			1495	1555			
sand			1555	1584			
red lime			1584	1680			
slate			1680	1700			
big lime			1703	1750			
sand			1750	1760			
lime			1760	1772	gas	1762	show
sand			1772	1865	gas	1818	show
slate & shells			1865	2355			
sand			2355	2390			
slate			2390	2430			
sand			2430	2455	oil	2440	show
slate			2455	2468			
red rock			2468	2485			
sand			2485	2503			
slate			2503	2510			
sand			2510	2525			
red rock			2525	2530			
slate			2530	2535			
sand			2535	2570	oil	2545	show
red rock			2570	2576			
sand			2576	2601	gas	2580	show
sand			2601	2650			
slate & shale			2650				
Total depth			2679 feet				

05/27/2016

Date MIAMI April 3, 19 65

APPROVED Allegheny Land & Mineral Co., Owner

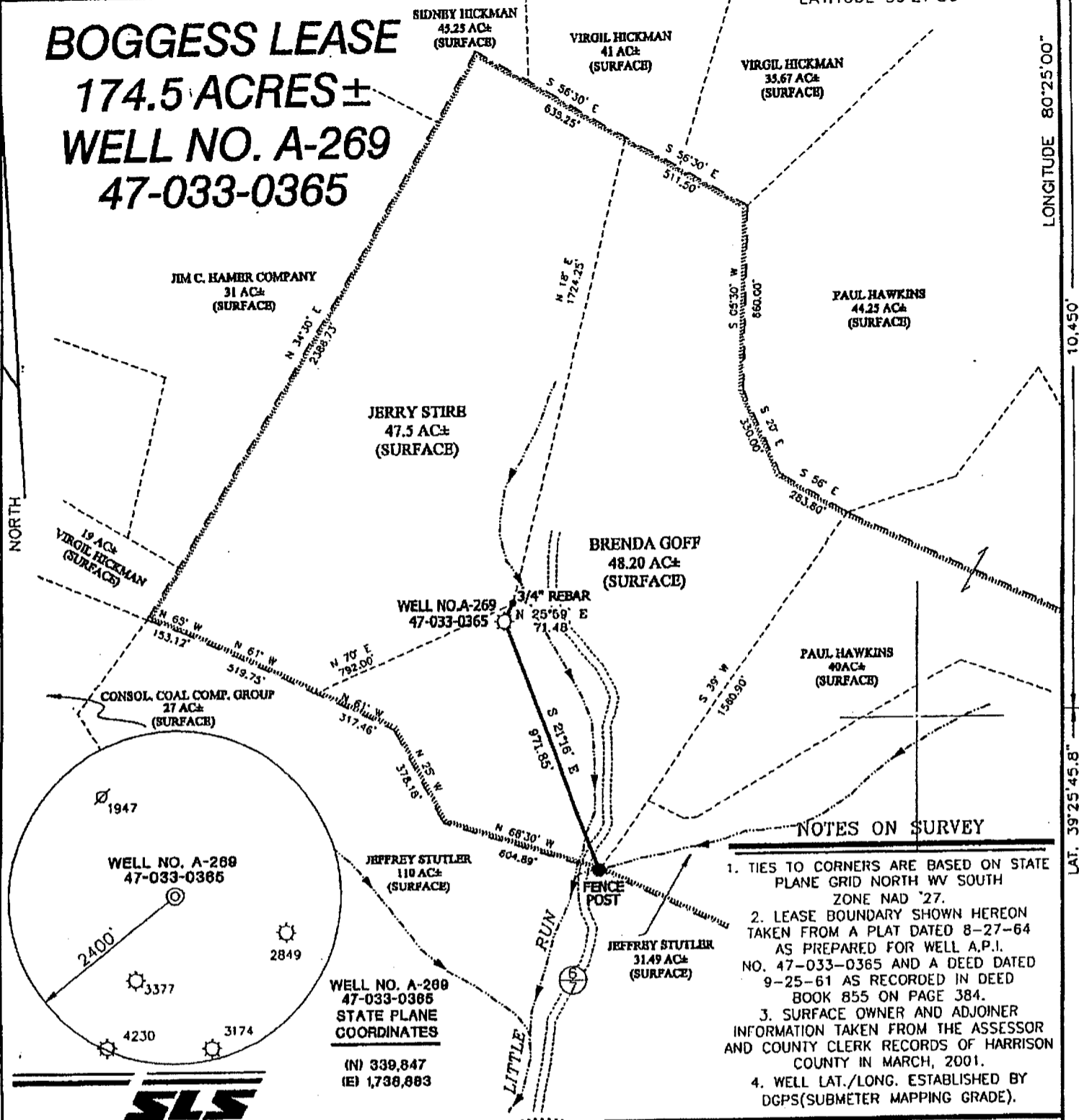
By Claron Dawson
(Title)

BOGGESS LEASE

174.5 ACRES ±

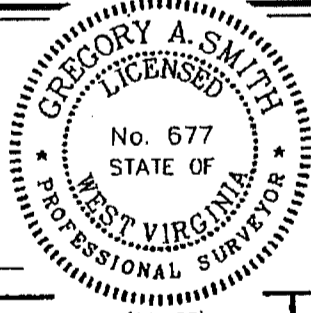
WELL NO. A-269

47-033-0365



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 DEPARTMENT OF ENERGY.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MARCH 16, 20 01
OPERATORS WELL NO. A-269 (10629)
API WELL NO. 47-033-0365
STATE 033 COUNTY 0365 PERMIT PL. CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4599PA269 (99-33)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1127' 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 1160' WATERSHED LITTLE RUN
DISTRICT EAGLE COUNTY HARRISON QUADRANGLE WALLACE 7.5'

SURFACE OWNER BRENDA GOFF ACREAGE 48.20 ±
ROYALTY OWNER D.R. AND C.T. BOGGESS HEIRS, ET AL LEASE ACREAGE 174.5 ±

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 2679'

WELL OPERATOR DOMINION EXPLORATION AND PRODUCTION DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS P.O. BOX 1248 JANE LEW, W.V. 26378 ADDRESS P.O. BOX 1248 JANE LEW, W.V. 26378

COUNTY NAME HARRISON
PERMIT 0365 CANC

LONG. 80°25'27.9" 2,160'

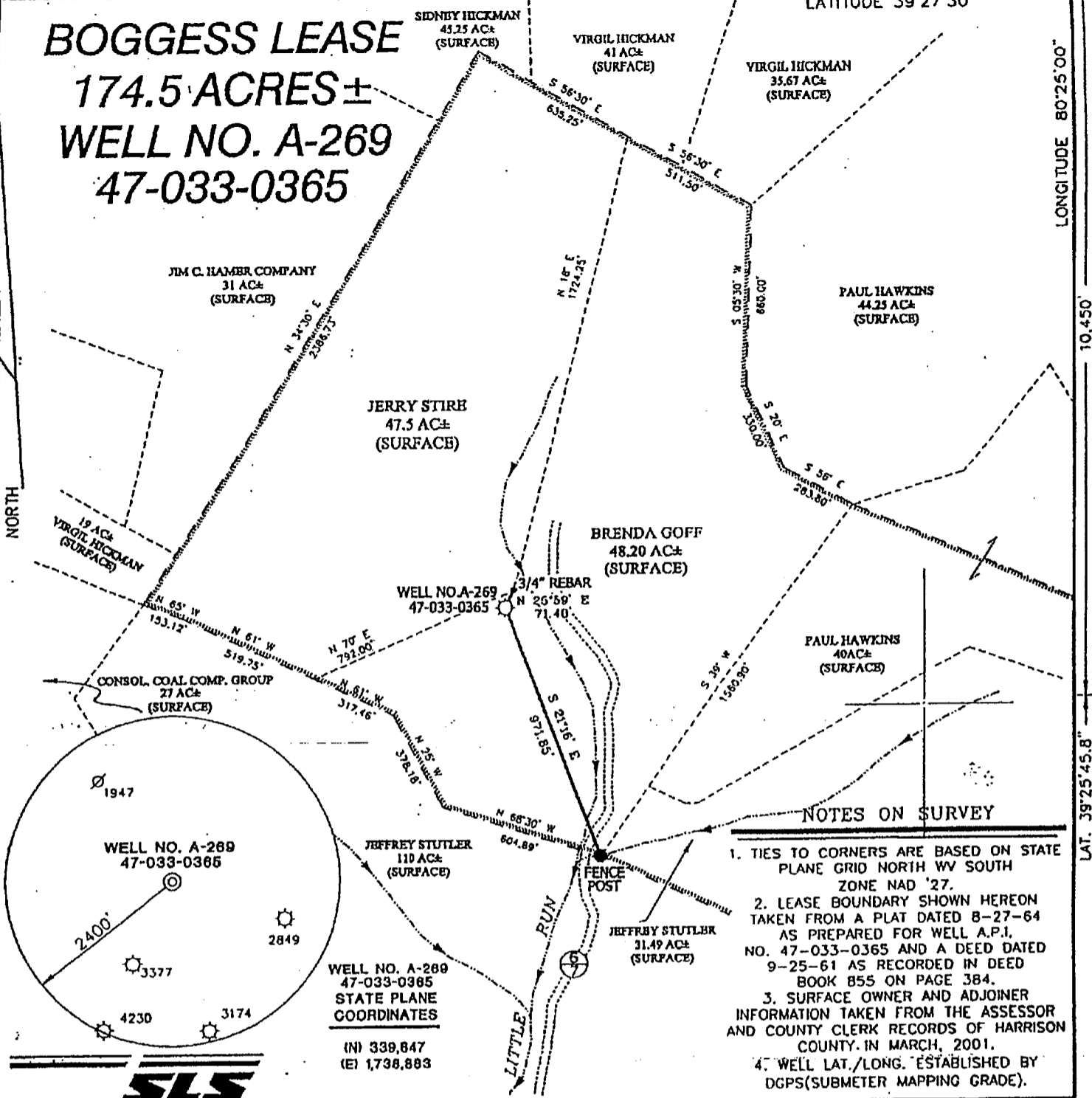
LATITUDE 39°27'30"

BOGGESS LEASE

174.5 ACRES ±

WELL NO. A-269

47-033-0365



NOTES ON SURVEY

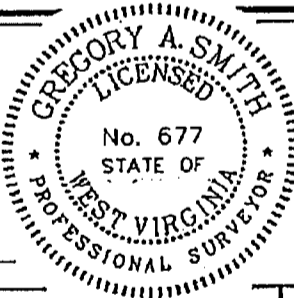
1. TIES TO CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 8-27-64 AS PREPARED FOR WELL A.P.I. NO. 47-033-0365 AND A DEED DATED 9-25-61 AS RECORDED IN DEED BOOK 855 ON PAGE 384.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN MARCH, 2001.
4. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

WELL NO. A-269
47-033-0365
STATE PLANE
COORDINATES
(N) 339,847
(E) 1,738,883



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 DEPARTMENT OF ENERGY.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MARCH 16, 20 01
OPERATORS WELL NO. A-269 (10629)
API WELL NO. 47-033-0365P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4599PA269 (99-33)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1127' 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 1160' WATERSHED LITTLE RUN DISTRICT EAGLE COUNTY HARRISON QUADRANGLE 75

SURFACE OWNER BRENDA GOFF ACREAGE 48.20±
ROYALTY OWNER D.R. AND C.T. BOGGESS HEIRS, ET AL LEASE ACREAGE 174.5±

PROPOSED WORK : LEASE NO. _____

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 2679'

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ADDRESS P.O. BOX 1248 JANE LEW, W.V. 26378 ADDRESS P.O. BOX 1248 JANE LEW, W.V. 26378

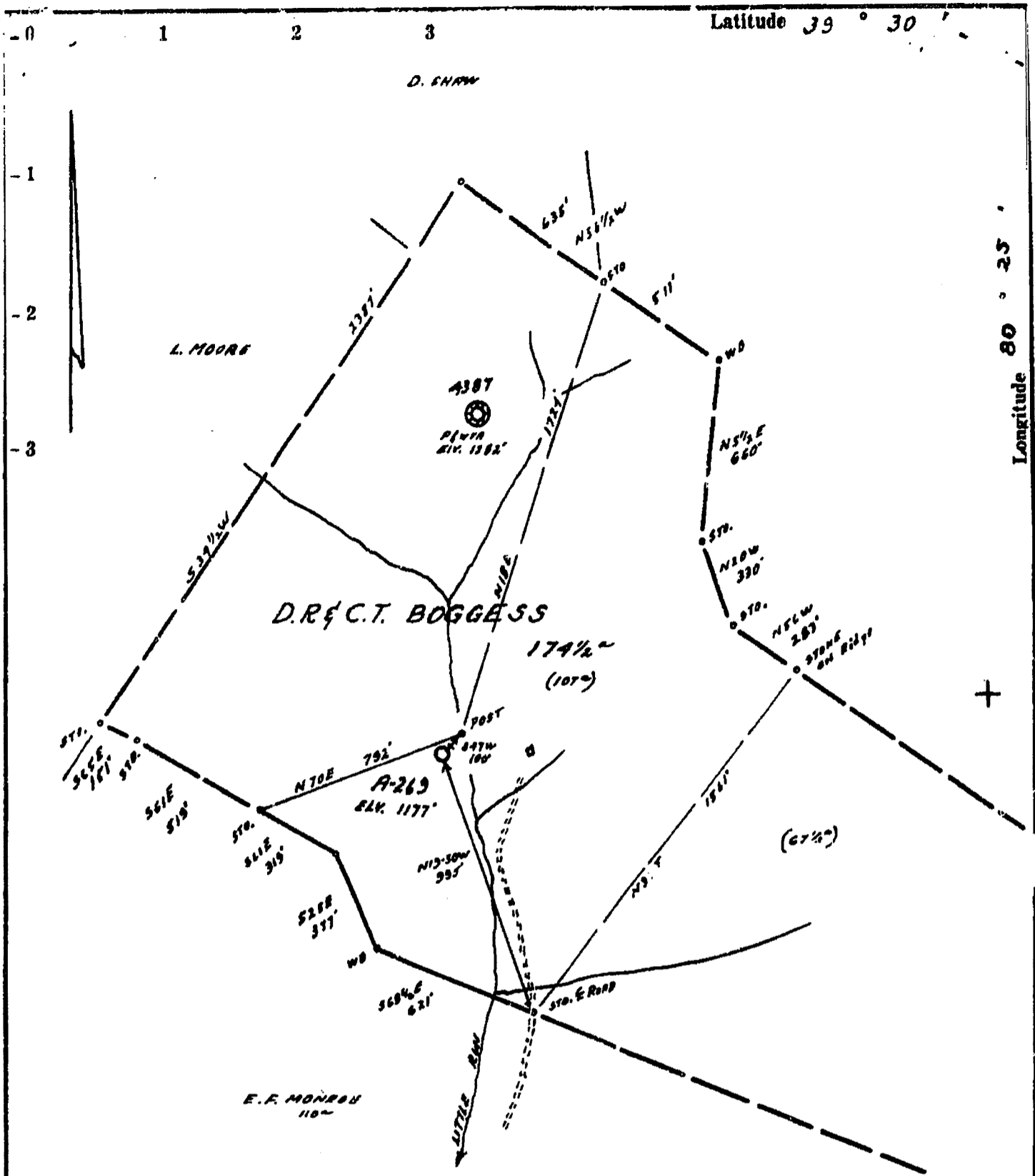
LONGITUDE 80°25'00" 10.451
LAT. 39°25'45.8"

MAY 02 2016

WV Department of Environmental Protection

05/27/2016

HARRISON COUNTY NAME PERMIT 0365P



- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the Code and Regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

D.M. NORTH RUN; ELY. 1948'

Office of Oil and Gas

Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W.VA.
 Farm D.R. & C.T. BOGGESS
 Tract _____ Acres 174 1/2 Lease No. _____
 Well (Farm) No. _____ Serial No. A-269
 Elevation (Spirit Level) 1177'
 Quadrangle CLARKSBURG-NW 4'
 County HARRISON District EAGLE
 Engineer James J. Jeffrey
 Engineer's Registration No. 1084
 File No. 208/132 Drawing No. _____
 Date 8-27-64 Scale 1" = 500'

MAY 02 2016

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. HAR-365

05/27/2016

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



Make Selections:

Company DADI
Well:
Number 10629
or Name
Permit:

SITE DADI 10629 (Bogges)

OPERATOR CONSOL GAS APPALACHIAN DEV LLC

OPS AREA WV Ops

TYPE SOG

STATE WV

COUNTY HARRISON

API 4703300365

UWI

QUAD WALLACE

TOWNSHIP

LATITUDE 39.42965

LONGITUDE -80.42432

MID

BUBBLE 4407

PROJECT

STATUS

SOLD DATE

P&A DATE

TURN-IN-LINE DATE

FREE CONSUME

FREE CON COMMENT

COMPRESSOR

TANK 1 (Bbls)

TANK 2 (Bbls)

TANK TYPE

LOAD TANK

SEPARATOR (Gallons)

WATERSHED LITTLE RUN

SLOP / DRIP

SOAP / SOLVENT

PREDICTED SPILL

FLOW DIRECTION SOUTH

POTENTIAL HIGH COMPLIANCE ISSUE

CONTACT INFORMATION

COORDINATOR Grogg, Mark

COORD AREA 4

OFFICE / HOME (304) 884-2190 / (304) 641-0893

CELL PHONE (304) 641-0893

ROUTE LUMBERPORT

CONTRACTOR ENERGY LAND & MINERAL

TENDER Coffey, Mark

OFFICE / HOME (304) 584-4779

CELL PHONE (304) 695-6513

DIRECTIONS DADI 10629 (Bogges)

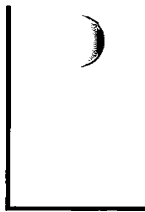
From Clarksburg Exit, West Pike Street, Take Rt. 19 North, 2.6 miles. Turn Left onto Lumberport Road. Go 3.4 miles to Rt. 20 "Lumberport". Turn Right, go 0.1 mile. Turn Left onto Jones Run Road "BEFORE STORE". Take Jones Run 5.1 miles to one Lane Bridge. Turn Right past Bridge up hollow. Go 0.4 mile to locked gate. Continue on approx 0.5 mile. Yellow well on Left in field. Across from house. PRIVATE GATE - HAVE NO KEY>

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WV Department of
Environmental Protection 05/27/2016

RIG:
OBJECTIVE: P & A D.1582.1
DOMINION DALLAS: 10629
DOMINION NET AMT: \$20,100
SUPPLEMENTAL: \$0
TOTAL DADI \$: \$20,100
TOTAL COST TO DATE: \$14,350
%OF NET AMT SPENT: \$1



47 33 00365

ACTIVITY

- 10/29/01 PREPARING TO PLUG AND ABANDON WELL. REMOVED FLOWLINE HOOKUP.
1" TUBING - 1078.65'. PIPE IN POOR CONDITION.
- 10/30/01 CONDUCTED OPEN FLOW TEST. RAN TUBING WITH OVERSHOT AND RECOVERED 27 JTS. OF 1" LINE
PIPE. ATTEMPTED TO WORK OVER CROSSOVER ABOVE PACKER. COULD NOT. RAN TUBING WITH
OVERSHOT AND RECOVERED 1 JT. 1". \$5,000
- 10/31/2001 ATTEMPTED TO WORKOVER FISH WITH 2 1/2" GRAPPLE. COULD NOT. RAN BURN SHOE AND MADE 5'
82' TO 87'. WAITED ON WEATHERFORD DRILL MOBILE. RAN BURN SHOE AND CLEANED OUT FILL TO
TOP OF PACKER AT 92'. RAN OVERSHOT WITH 2 1/2" GRAPPLE. MO RECOVERY. RAN OVERSHOT WITH
1 1/2" GRAPPLE, NO RECOVERY. \$7,450
- 11/01/01 RECOVERED FISH CONSISTING OF 1 JT. OF 1 1/4" TUBING, PACKER, AND 5 JTS OF 1 1/2" TAILPIPE.
RIGGED DOWN WEATHERFORD DRILL MOBILE. RIGGED UP 4 1/2" HANDLING EQUIPMENT.
\$10,350
- 11/02/01 MADE FEELER RUN AND TAGGED FILL AT 1822'. SWABBED WELL DOWN. CLEANED OUT FILL TO TD.
\$12,350
- 11/05/01 MADE SAND PUMP AND SWAB RUNS. ATTEMPTED TO BREAK OUT 8 5/8" COLLAR. WELDED 8 5/8"
NIPPLE ON WELLHEAD AND INSTALLED SAME. INSTALLED TUBING HEAD. RAN PACKER AND TUBING.
\$14,350

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Environmental Protection

3300365P

BOGGESS (DADI 10629)
ECONOMIC ASSUMPTIONS

BACKGROUND / EXPECTATIONS

During an attempt to plug the well. A string of 1" tubing and packer were discovered. Once the packer and tubing were removed the well began to flow. A string of 2" tubing and packer were ran to top of bottom perms. Current tubing pressure is 240 psi. Once surface equipment and pipeline are in place, the well is expected to be economic.

PRICES

The gas prices used were the Dominion prices dated June 28, 2002 of \$3.43, \$3.85, \$3.96 and \$4.01 and multiplied by .8675% to approximate DTI gathering fees on the wet system. The net price adjusted to \$3.149, 3.513, \$3.609 and \$3.652. The last price being held flat for the life of the well.

OPERATING COST / AFE

The monthly operating cost was raised to \$150.00 due to no welltending cost currently being charged to the well. The total AFE cost is \$30,735.00, \$11,300.00 Tangible and \$19,500.00 Intangible.

GAS RATE

A starting rate of 25 mcf/d was used with an exponential decline of 20% to life of the well, along with a cut off rate of 3 mcf/d. This yields a gross reserve number of 35.580 mmcf.

OWNERSHIP / BTU

This is a joint interest well. Dominion E&P operates and has 50% WI, East Resources Inc. has the other 50% WI. East Resources has elected to participate in recovery of the well. For economic purposes a 50% WI and 43.75% NRI were used. A BTU of 1.00 was also used. These numbers are from the Citrix database.

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WV Department of
Environmental Protection

05/27/2016

DOMINION E&P
BOGCESS
WALLAC

Date: 07/12/2002
Time: 06:45:00
DBS: DOM_ON
Settings: CTH
Scenario: CHELMICK

INPUT DATA

INITIAL CALCULATED DATA

ITEM NAME	Scheduling Rates			Schedule Until		Procedure		Ultimate	Last	Eff. Decl	Init. Rate	Final Rate
400 START	10/2002											
401 GAS	750.00	90.00	M/M	X	YR	EXP	20.00	35.580	4/2012	20.0	750.	88.
500 PRI/GAS	01/2002	3.149	3.513	3.609	3.652	#/Y			12/2005			
502 "	X	X	\$/M	TO	LIFE	FLAT	0.00		4/2012		3.652	3.652
600 OPC/T	150.00	150.00	\$/M	TO	LIFE	PC	0.00		9/2002		150.000	150.000
602 ATX	9.00	9.00	%	TO	LIFE	PC	0.00		9/2002		0.090	0.090
705 LSE/WI	50.0000	D	%	TO	LIFE	FLAT	0.00		4/2012		0.500	0.500
720 NET/OIL	43.7500	D	%	TO	LIFE	FLAT	0.00		4/2012		0.438	0.438
740 NET/GAS	43.7500	D	%	TO	LIFE	FLAT	0.00		4/2012		0.438	0.438
INVESTMENT	Tangibles & Intangibles			Time		Procedure		Total T&I	Month	Risk Inv.	Tot. T&I&R	Esc. T&I&R
800 INVEST	11.50	19.50	M\$G	10/2002	AD	PC	0.00	31.000	10/2002	0	31.0	31.0

MISC. PARAMETERS

Item

Item

201 LOSS NO
202 BTU 1.00
203 MAJOR GAS
204 WELLS 1.00

PROJECT RUN SETTINGS

Base Date : 01/1995 Time Frames : 6,47*12,540
P.W. Date : 07/2002 Primary PW% : 18.0 Discount Freq. : MO
Report Date : 07/2002
Qualifiers : Prod = CTH Price = CTH Cost = CTH Owner = CTH
Title = YE002 Misc = CTH Invest = CTH Overlay = CTH

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Office of Oil and Gas
MAY 22 2013
WV Department of
Environmental Protection

33003657P

DOMINION E&P
BOGGESS
WALLAC

DATE : 07/12/02
TIME : 06:45:00
DBS : DOM_ON
SETTINGS : CTH
SCENARIO : CHELMICK

R E S E R V E S A N D E C O N O M I C S

EFFECTIVE DATE: 7/02

-END- MO-YR	---GROSS PRODUCTION---				---NET PRODUCTION---				-----PRICES-----		NO. OF WELLS	-----OPERATIONS, M\$-----		
	OIL,	MBBL	GAS,	MMCF	OIL,	MBBL	GAS,	MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	TOTAL REVENUE
12-02	0.000		2.188		0.000		0.957		0.00	3.149	1.0	0.000	3.015	3.015
12-03	0.000		7.629		0.000		3.338		0.00	3.513	1.0	0.000	11.725	11.725
12-04	0.000		6.103		0.000		2.670		0.00	3.609	1.0	0.000	9.636	9.636
12-05	0.000		4.882		0.000		2.136		0.00	3.652	1.0	0.000	7.801	7.801
12-06	0.000		3.906		0.000		1.709		0.00	3.652	1.0	0.000	6.241	6.241
12-07	0.000		3.125		0.000		1.367		0.00	3.652	1.0	0.000	4.993	4.993
12-08	0.000		2.500		0.000		1.094		0.00	3.652	1.0	0.000	3.994	3.994
12-09	0.000		2.000		0.000		0.875		0.00	3.652	1.0	0.000	3.195	3.195
12-10	0.000		1.600		0.000		0.700		0.00	3.652	1.0	0.000	2.556	2.556
12-11	0.000		1.280		0.000		0.560		0.00	3.652	1.0	0.000	2.045	2.045
12-12	0.000		0.367		0.000		0.161		0.00	3.652	1.0	0.000	0.586	0.586
12-13														
12-14														
12-15														
12-16														
12-17														
12-18														
12-19														
12-20														
12-21														
S TOT	0.000		35.580		0.000		15.566		0.00	3.584	1.0	0.000	55.788	55.788
AFTER	0.000		0.000		0.000		0.000		0.00	0.000	1.0	0.000	0.000	0.000
TOTAL	0.000		35.580		0.000		15.566		0.00	3.584	1.0	0.000	55.788	55.788

-END- MO-YR	-----OPERATIONS, M\$-----				-----CAPITAL COSTS, M\$-----				18.0%	
	SEV + ADV TAXES	NET OPER EXPENSES	INTEREST+ PRINCIPAL	OPERATION CASH FLOW	TANGIBLE INV.	INTANG. INV.	TOTAL BORROW INV	TOTAL EQUITY INV	CASH FLOW BTAX, M\$	CUM. DISC BTAX, M\$
12-02	0.271	0.925	0.000	2.519	5.750	9.750	0.000	15.500	-12.981	-12.504
12-03	1.055	0.900	0.000	9.770	0.000	0.000	0.000	0.000	9.770	-4.188
12-04	0.867	0.900	0.000	7.869	0.000	0.000	0.000	0.000	7.869	1.490
12-05	0.702	0.900	0.000	6.199	0.000	0.000	0.000	0.000	6.199	5.280
12-06	0.563	0.900	0.000	4.779	0.000	0.000	0.000	0.000	4.779	7.757
12-07	0.449	0.900	0.000	3.643	0.000	0.000	0.000	0.000	3.643	9.357
12-08	0.359	0.900	0.000	2.735	0.000	0.000	0.000	0.000	2.735	10.375
12-09	0.288	0.900	0.000	2.008	0.000	0.000	0.000	0.000	2.008	11.009
12-10	0.230	0.900	0.000	1.426	0.000	0.000	0.000	0.000	1.426	11.391

Environmental Protection
 Department of
 New Brunswick
 Office of Oil and Gas
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12-11	0.184	0.900	0.000	0.961	0.000	0.000	0.000	0.000	0.961	11.609
12-12	0.053	0.300	0.000	0.234	0.000	0.000	0.000	0.000	0.234	11.656
12-13										
12-14										
12-15										
12-16										
12-17										
12-18										
12-19										
12-20										
12-21										
S TOT	5.021	8.625	0.000	42.142	5.750	9.750	0.000	15.500	26.642	11.656
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.656
TOTAL	5.021	8.625	0.000	42.142	5.750	9.750	0.000	15.500	26.642	11.656

3300 3657 P

DOMINION E&P
BOGGESS
WALLAC

DATE : 07/12/02
TIME : 06:45:00
DBS : DOM_ON
SETTINGS : CTH
SCENARIO : CHELMICK

A F T E R T A X E C O N O M I C S

EFFECTIVE DATE: 7/02

-END- MO-YR	TAXABLE CASH FLOW M\$-----	DEPRECIATION M\$-----	DEPLETION M\$-----	INTANG. EXPENSED M\$-----	INTEREST PAID & CAP M\$-----	TAXABLE INCOME M\$-----	TAX CREDIT M\$-----	TAXES PAYABLE M\$-----	CASH FLOW ATAK M\$-----	18.0%	
										CUM. ATAK M\$-----	DISC M\$-----
12-02	2.519	0.821	0.000	9.750	0.000	-8.053	0.000	-2.738	-10.244		-9.828
12-03	9.770	1.408	0.000	0.000	0.000	8.362	0.000	2.843	6.927		-3.958
12-04	7.869	1.006	0.000	0.000	0.000	6.863	0.000	2.334	5.536		0.017
12-05	6.199	0.718	0.000	0.000	0.000	5.481	0.000	1.863	4.335		2.656
12-06	4.779	0.513	0.000	0.000	0.000	4.266	0.000	1.450	3.329		4.373
12-07	3.643	0.513	0.000	0.000	0.000	3.130	0.000	1.064	2.579		5.500
12-08	2.735	0.513	0.000	0.000	0.000	2.221	0.000	0.755	1.979		6.234
12-09	2.008	0.256	0.000	0.000	0.000	1.751	0.000	0.595	1.412		6.677
12-10	1.426	0.000	0.000	0.000	0.000	1.426	0.000	0.485	0.941		6.927
12-11	0.961	0.000	0.000	0.000	0.000	0.961	0.000	0.327	0.634		7.070
12-12	0.234	0.000	0.000	0.000	0.000	0.234	0.000	0.079	0.154		7.102
12-13											
12-14											
12-15											
12-16											
12-17											
12-18											
12-19											
12-20											
12-21											
S TOT	42.142	5.750	0.000	9.750	0.000	26.642	0.000	9.058	17.584		7.102
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		7.102
TOTAL	42.142	5.750	0.000	9.750	0.000	26.642	0.000	9.058	17.584		7.102

BTAX RATE OF RETURN (PCT)	65.48	ATAK RATE OF RETURN (PCT)	54.10
BTAX PAY OUT YEARS	1.91	ATAK PAY OUT YEARS	2.10
BTAX PAY OUT YEARS (DISC)	2.24	ATAK PAY OUT YEARS (DISC)	2.50
BTAX NET INCOME/INVEST	2.72	ATAK NET INCOME/INVEST	2.13
BTAX NET INCOME/INVEST (DISC)	1.78	ATAK NET INCOME/INVEST (DISC)	1.48
PRODUCTION START DATE	10/02	PROJECT LIFE (YEARS)	9.83
		DISCOUNT - RATE (PCT)	18.00
INITIAL OIL PRICE (\$/B)	0.000	INITIAL GAS PRICE (\$/M)	3.149
MAXIMUM OIL PRICE (\$/B)	0.000	MAXIMUM GAS PRICE (\$/M)	3.652
GROSS OIL WELLS	1.	GROSS GAS WELLS	0.
CUMULATIVE OIL (MBBL)	0.000	CUMULATIVE GAS (MMCF)	0.000
REMAINING OIL (MBBL)	0.000	REMAINING GAS (MMCF)	35.580

PRESENT WORTH PROFILE AND
---- RATE-OF-RETURN VS. BONUS TABLE ----

P.W. FACTOR	B.F.I.T. WORTH	A.F.I.T. WORTH	A.F.I.T. BONUS
%-----	M\$-----	M\$-----	M\$-----
0.00	26.6	17.6	26.6
5.00	21.0	13.6	19.1
10.00	16.7	10.6	14.2
15.00	13.3	8.3	10.6
18.00	11.7	7.1	9.0
20.00	10.7	6.4	8.0
25.00	8.5	4.9	6.0
30.00	6.7	3.7	4.4
40.00	4.0	1.8	2.1
50.00	2.1	0.4	0.5

OFFICE OF THE
 FEDERAL DIRECTOR
 OF OIL AND GAS
 REGULATION
 1222 K STREET, N.W.
 WASHINGTON, D.C. 20548
 TEL: (202) 219-5000
 FAX: (202) 219-5001

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ULTIMATE OIL (MBBL)	0.000	ULTIMATE GAS (MMCF)	35.580	60.00	0.6	-0.6	-0.7
				70.00	-0.5	-1.4	-1.5
INITIAL WI (PCT)	50.000	FINAL WI (PCT)	50.000	80.00	-1.4	-2.0	-2.2
INITIAL NET OIL (PCT)	0.000	FINAL NET OIL (PCT)	0.000	90.00	-2.1	-2.5	-2.7
INITIAL NET GAS (PCT)	43.750	FINAL NET GAS (PCT)	43.750	100.00	-2.7	-2.9	-3.1

DADI Facility (Charge to Well) WBS



Jane Lew, WV Accounting Dept Use Only	
Joint Ventures:	
DADP #	47-33-365
DADI #	10629

DOMINION EXPLORATION & PRODUCTION INC. (DADI)
WBS aka AUTHORIZATION FOR EXPENDITURE

Today's Date 07/11/2002

Start Date 09/01/2002	Completion Date 10/01/2002
--------------------------	-------------------------------

IDENTIFICATION

Operator:	DEPI	Basin:	n/a
Project:		Cost Center:	
Originating Dept.	Jane Lew, WV	Lease Key #-LK:	n/a
Well Name:	Bogges	Well No.:	10629
Field Name: *	Wallace	P-Code:	na/
WI: *	50%	Type & Class Well	n/a
		County/State:	Harrison/WV

*** Extremely Important**

Description of Project & Reason for WBS: Well flowed when 1" tubing and packer were pulled for plugging. A new packer and string of 2" Projected Depth: 2" were run to top of perms. The well is expected to produce at economic rate once pipeline and and surface equipment hookups are complete.

G/L SAP Account Code #	Description	Drill	Complete	Total
INTANGIBLES				
5303030-1	Contractor Services			\$0.00
5320150-1	Freight Expense (Land Transportation)			\$0.00
5320713-1	Contractor-Rigs-Drilling/Workover/Compl/ Snubbing			\$0.00
5320714-1	Bits			\$0.00
5320715-1	Mud/Chemicals/Comple. Fluids			\$0.00
5320716-1	Rental Equipment - Downhole			\$0.00
5320717-1	Contractor-Cement & service			\$0.00
5320718-1	Contractor-Loc & site Prep/Survey/Maint/Pit Closur			\$0.00
5320719-1	Contractor-Fishing Tools-Services and Equipment			\$0.00
5320720-1	Contractor-Wireline Services/Snubbing/Coil			\$0.00
5320721-1	Contractor-Formation Testing & services			\$0.00
5320724-1	Contractor-Logging			\$0.00
5320726-1	Contractor - Perforating Services			\$0.00
5320727-1	Contractor - Directional Drilling Serv			\$0.00
5320728-1	Rentals Equipment - Surface			\$0.00
5320730-1	Communications			\$0.00
5320780-1	Overhead			\$0.00
5320786-1	Partner Operated - Intangible Capital Cost			\$0.00
5320791-1	Accrual - Intangible			\$0.00
5320701-2	Tubing			\$0.00
5320702-2	Casing Liner			\$0.00
5320703-2	Intermediate Casing			\$0.00
5320704-2	Surface Casing			\$0.00
5320705-2	Cond. Casing / Drive Pipe			\$0.00
5320706-2	Float Equip / Liner Hanger/Centralizers			\$0.00
5320707-2	Drive Pipe			\$0.00
5320708-2	Wellhead & x-Mast Tree			\$0.00
5320709-2	Downhole Production Equipment			\$0.00
5320710-2	Surface Prod Equipment			\$0.00
5320712-2	Flowlines & headers			\$0.00
5320760-2	Production Casing			\$0.00
5320771-1	Oilfield Waste			\$0.00
5303010-1	Contractor Labor-Straight Time			\$0.00
5304390-1	Misc Supplies			\$0.00
COMPLETE				\$19,450.00
5303030-1	Contractor Services			\$0.00
5320150-1	Freight Expense (Land Transportation)			\$0.00
5320713-1	Contractor-Rigs-Drilling/Workover/Compl/ Snubbing			\$0.00
5320715-1	Mud/Chemicals/Comple. Fluids			\$0.00
5320716-1	Rental Equipment - Downhole			\$0.00
5320717-1	Contractor-Cement & service			\$0.00
5320718-1	Contractor-Loc & site Prep/Survey/Maint/Pit Closur			\$0.00
5320719-1	Contractor-Fishing Tools-Services and Equipment			\$0.00
5320720-1	Contractor-Wireline Services/Snubbing/Coil			\$0.00
5320721-1	Contractor-Formation Testing & services			\$0.00
5320722-1	Contractor-Gravel Pack/Stimulation/Acidization			\$0.00
5320724-1	Contractor-Logging			\$0.00
5320726-1	Contractor - Perforating Services			\$0.00
5320727-1	Contractor - Directional Drilling Serv			\$0.00

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 MAY 02 2015
WV Department of
Environmental Protection
 05/27/2015

DADI
Authorization For Expenditure

AFE xxxxxxxDate 07/11/02

Description of Expenditure

Bogges 10629

Purpose of Expenditure

Prepare Abandoned Well for Production

Estimated Costs:

Item No.	Description of Asset or Service to be Purchased	Quantity	Units	Estimated Price	Tangible Cost	Intangible Cost	Extended Costs
1	Initial Plugging Work, Installation Tubing and Packer	1	lot	\$14,350.00		\$14,350.00	\$14,350.00
2	1 1/4 Gathering Line	3500	ft	\$0.31	\$1,085.00		\$1,085.00
3	Misc Fittings	1	lot	\$1,000.00	\$1,000.00		\$1,000.00
4	Backhoe	40	hrs	\$37.50		\$1,500.00	\$1,500.00
5	Dozer	40	ea	\$37.50		\$1,500.00	\$1,500.00
6	Separator	1	ea	\$2,500.00	\$2,500.00		\$2,500.00
7	Drip	2	ea	\$600.00	\$1,200.00		\$1,200.00
8	Submeter	1	ea	\$1,500.00	\$1,500.00		\$1,500.00
9	Master Meter	1	ea	\$2,500.00	\$2,500.00		\$2,500.00
10	Regulator Set	1	ea	\$1,500.00	\$1,500.00		\$1,500.00
11	Roustabout Labor	40	hrs	\$27.50		\$1,100.00	\$1,100.00
12	Dominion Labor	40	hrs	\$25.00		\$1,000.00	\$1,000.00
TOTAL					\$11,285.00	\$19,450.00	\$30,735.00

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Office of Oil and Gas

MAY 22 2015

WV Department of
Environmental Protection

05/27/2016

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
BLANKET BOND FOR OIL OR GAS WELLS,
LIQUID INJECTION WELLS OR WASTE DISPOSAL WELLS

KNOW ALL MEN BY THESE PRESENTS:

- (1) That we, CNX Gas Company LLC
- (2) CNX Center, 1000 CONSOL Energy Drive, Canonsburg, PA 15317-6506
- As Principal, and (3) RLI Insurance Company

(4) P.O. Box 3987, Peoria, IL 61612
a firm and/or a corporation authorized to do business in the State of West Virginia, as Surety, are held and firmly bound unto the State of West Virginia in the just and full sum of (5) two hundred and fifty thousand dollars (\$250,000) to the payment whereof well and truly to make, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

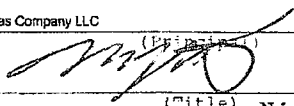
WHEREAS, the above bound Principal in pursuance of the provisions of Chapter 22, Article 6 and/or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, has made or intends to make application to the Chief of the Office of Oil and Gas, Department of Environmental Protection, the State of West Virginia for a permit to perform well work (as defined in Chapter 22, Article 6 and/or 6A), on oil or gas wells and/or liquid injection wells and/or waste disposal wells, or has acquired or purchased, or shall hereafter acquire or purchase such wells, or has been or shall be assigned operating responsibility, for such wells located in West Virginia; and

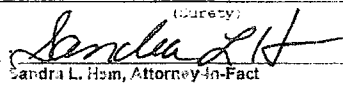
WHEREAS, THE Colleege as a condition precedent to the issuance of such permit or release of other obligation has required the Principal to furnish a SURETY bond acceptable to the Colleege guaranteeing the performance of said provisions of Chapter 22, Article 6 or 6A, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder;

NOW THEREFORE, the condition of this obligation is such that if the Principal, its personal representatives, successors, heirs and assigns shall in performing well work (as defined in Chapter 22, Article 6 and/or 6A) or operating such wells shall furnish all reports, information and affidavits as may be required by the Department of Environmental Protection, Office of Oil and Gas, documenting that said wells have been plugged and abandoned in accordance with Chapter 22, Article 6, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, then this obligation to be void; otherwise to remain in full force and effect.

This bond shall be effective from the (11) 02nd day of May, 2012, until released by the Department of Environmental Protection.

IN WITNESS WHEREOF the said Principal has hereunder set his or its hand and affixed his or its seal, and the said surety has caused its corporate name to be signed hereto and its corporate seal to be hereunto affixed by its duly authorized officer or agent this instrument this (12) 02nd day of May, 2012.

(15) Principal Corporate Seal (13) CNX Gas Company LLC (Seal)
(14) By:  (Title) Nicholas J. DeIuliis, Manager
(Must be President or V. President)

(18) Surety Corporate Seal (16) RLI Insurance Company (Seal)
(17) By:  (Surety)
Sandra L. Ham, Attorney-in-Fact

19) Countersigned: N/A (Resident West Virginia Agent)
(20) Witness: _____
(21) Telephone: _____

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MAY 02 2016
WV Department of
Environmental Protection

(LETTERSE)

ACKNOWLEDGMENTS

Acknowledgment by Principal if Individual or Partnership

- 1. STATE OF _____
 - 2. County of _____ to-wit:
 - 3. I, _____, a Notary Public in and for the
 - 4. county and state aforesaid, do hereby certify that _____ whose name is signed to the foregoing writing, has this day acknowledged the same before me in my said county.
 - 5. Given under my hand this _____ day of _____ 20_____.
 - 6. Notary Seal _____
 - 7. _____
- (Notary Public)
- 8. My commission expires on the _____ day of _____ 20_____.

Acknowledgment by Principal if Corporation or Limited Liability Company

- 9. STATE OF Pennsylvania
- 10. County of Washington to-wit:
- 11. I, Kathryn A. Galie, a Notary Public in and for the
- 12. county and state aforesaid, do hereby certify that Nicholas J. DeIuliis
- 13. who as, Manager signed the foregoing writing for
- 14. CNX Gas Company, LLC a corporation/LLC, has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corp/LLC.
- 15. Given under my hand this 3rd day of May 2012.
- 16. Notary Seal Kathryn A. Galie, Notary Public (Notary Public for Twp., Allegheny County My Commission Expires Oct. 1, 2015)
- 17. [Signature]
- 18. My commission expires on the 15 day of October 2015.

Acknowledgment by Surety

- 19. STATE OF Missouri
- 20. County of St. Louis City to-wit:
- 21. I, JoAnn R. Frank, a Notary Public in and for the
- 22. county and state aforesaid, do hereby certify that Sandra L. Ham
- 23. who as, Attorney-In-Fact signed the foregoing writing for
- 24. RLI Insurance Company a corporation has this day, in my said county, before me, acknowledged the said writing to be the act and deed of the said corporation.
- 25. Given under my hand this 02nd day of May 2012.
- 26. Notary Seal JoAnn R. Frank (Notary Public for St. Louis City My Commission Expires June 20, 2014 My Commission Number: 10305672)
- 27. [Signature]
- 28. My commission expires on the 20th day of June 2014.

Sufficiency in Form and Manner Of Execution Approved

This _____ day of _____ 20_____

Attorney General
By _____
(Assistant Attorney General)



RLI Surety
P.O. Box 3967 | Peoria, IL 61612-3967
Phone: (800)645-2402 | Fax: (309)689-2036
www.rlicorp.com

POWER OF ATTORNEY

RLI Insurance Company

Know All Men by These Presents:

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That **RLI Insurance Company**, an Illinois corporation, does hereby make, constitute and appoint:
Pamela A. Beelman, Cynthia L. Choren, Heidi A. Notheisen, Debra C. Schneider, JoAnn R. Frank, Karen L. Roider, Sandra L. Ham,
jointly or severally.

in the City of Saint Louis, State of Missouri its true and lawful Agent and Attorney in Fact, with full power and authority hereby conferred, to sign, execute, acknowledge and deliver for and on its behalf as Surety, the following described bond.

Any and all bonds provided the bond penalty does not exceed Twenty Five Million Dollars (\$25,000,000.00).

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon this Company as if such bond had been executed and acknowledged by the regularly elected officers of this Company.

The **RLI Insurance Company** further certifies that the following is a true and exact copy of the Resolution adopted by the Board of Directors of **RLI Insurance Company**, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the **RLI Insurance Company** has caused these presents to be executed by its Vice President with its corporate seal affixed this 11th day of July, 2011.



RLI Insurance Company

By: [Signature]
Roy C. Die Vice President

State of Illinois }
County of Peoria } SS

CERTIFICATE

On this 11th day of July, 2011, before me, a Notary Public, personally appeared Roy C. Die, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and acknowledged said instrument to be the voluntary act and deed of said corporation.

I, the undersigned officer of **RLI Insurance Company**, a stock corporation of the State of Illinois, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** this 02nd day of May, 2012.

By: [Signature]
Cherie L. Montgomery Notary Public

RLI Insurance Company
By: [Signature]
Roy C. Die Vice President
Office of Oil and Gas
RECEIVED
MAY 03 2012



WW-4A
Revised 6-07

1) Date: August 11, 2015
2) Operator's Well Number
10629
3) API Well No.: 47 - 033 - 00365

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>Matthew J. Coleman</u>	Name <u>Consolidation Coal Company</u>
Address <u>106 Sangers Lane</u> <u>Stauton, VA 24401-8711</u>	Address <u>1000 Consol Energy Drive</u> <u>Canonsburg, PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u> <u>Buckhannon, WV 26201</u>	Name <u>None of Declaration</u>
Telephone <u>304-389-7583</u>	Address _____

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

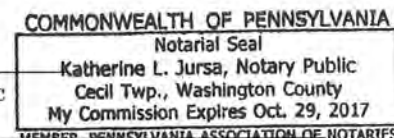
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

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

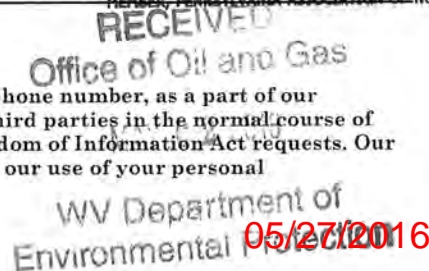
Well Operator CNX Gas Company LLC
 By: Matthew Hanley *[Signature]*
 Its: Permitting Manager
 Address 1000 CONSOL Energy Drive
Canonsburg, PA 15317
 Telephone 724-485-3011 - Matthew Hanley, Permitting Manager

Subscribed and sworn before me this 27th day of April, 2016
Katherine L. Jursa Notary Public
 My Commission Expires 10-29-2017



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.



COAL OWNERS:

D. R. & C. T. BOGGESS (#10629), API #365, MAP 145-26, EAGLE, HARRISON CO., WV

- 1. Emily A. Clogston ✓ ¼
23233 N. 20th Street
Phoenix, AZ 85024
 - 2. Louis N. DeWitt III ✓ 1/12
15811 Clarendon Street
Westminster, CA 92683
 - 3. Donna L. Snyder ✓ 1/12
3521 Spy Run Hill Drive
Fort Wayne, IN 46085
 - 4. John W. Zemp ✓ 1/48
2503 Marling Drive
Columbia, SC 29204
 - 5. Virginia Zemp Howell ✓ 1/48
1196 Fort Lamar Road
Charleston, SC 29412
 - 6. James B. Zemp ✓ 1/48
117 Sherborne Drive
Spartanburg, SC 29307
 - 7. Louis D. Zemp ✓ 1/48
35 Mahalo Lane
Columbia, SC 29204
 - 8. West Virginia Wesleyan College ✓ ¼
59 College Avenue
Buckhannon, WV 26201
- PITTSBURGH COAL OWNER:**
- 1. Consolidation Coal Company ✓ 100%
1000 Consol Energy Drive
Canonsburg, PA 15317

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Office of Oil and Gas
MAY 02 2018
WV Department of
Environmental Protection
05/27/2016

WW-9
(2/15)

API Number 47 - 033 - 00365
Operator's Well No. 10629

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company LLC OP Code 494458046

Watershed (HUC 10) Little Run Quadrangle Wallace

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 Steel Container / Roll-off box

If so, please describe anticipated pit waste: Fluids associated with the plugging of existing gas wells

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

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 Waste Management or Ryan Environmental will use vacuum trucks, and properly dispose of fluid and waste returns.)

SDW
4/11/16

Will closed loop system be used? If so, describe: _____

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

-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. _____

-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 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 Matthew Hanley

Company Official (Typed Name) Matthew Hanley

Company Official Title Manager - Gas Permitting

RECEIVED
Office of Oil and Gas

MAY 02 2016

Subscribed and sworn before me this 27th day of April, 20 16

Katherine L. Jursa Notary Public

My commission expires 10-29-2017

COMMONWEALTH OF PENNSYLVANIA
Notary Public
Katherine L. Jursa, Notary Public
Cecil Twp., Washington County
My Commission Expires 10/29/2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Form WW-9

Operator's Well No. 10629

CNX Gas Company LLC

Proposed Revegetation Treatment: Acres Disturbed 0.50 acres Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer type Granular or Liquid

Fertilizer amount 500 lbs/acre

Mulch hay or straw @ 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Scott D Ward

Comments: _____

Title: DOG Inspector

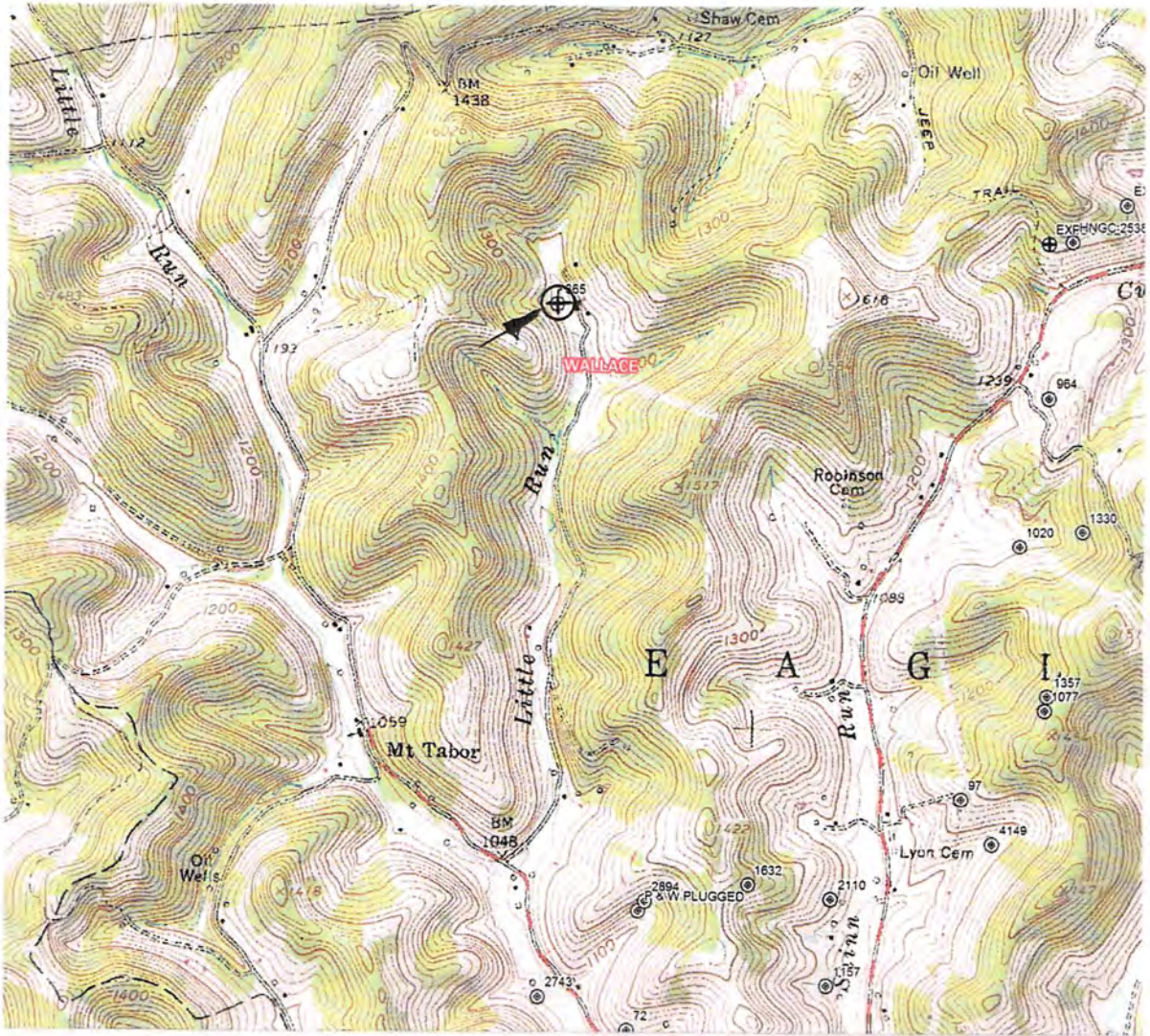
Date: 4/14/16

Field Reviewed? () Yes (X) No

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Office of Oil and Gas

MAY 02 2016

WV Department of
Environmental Protection
05/27/2016



SDW
4/11/16

DRAWINGS TO ACCOMPANY FORM WW-9

CNX GAS COMPANY LLC

P. O. BOX 1248

JANE LEW, WV 26378

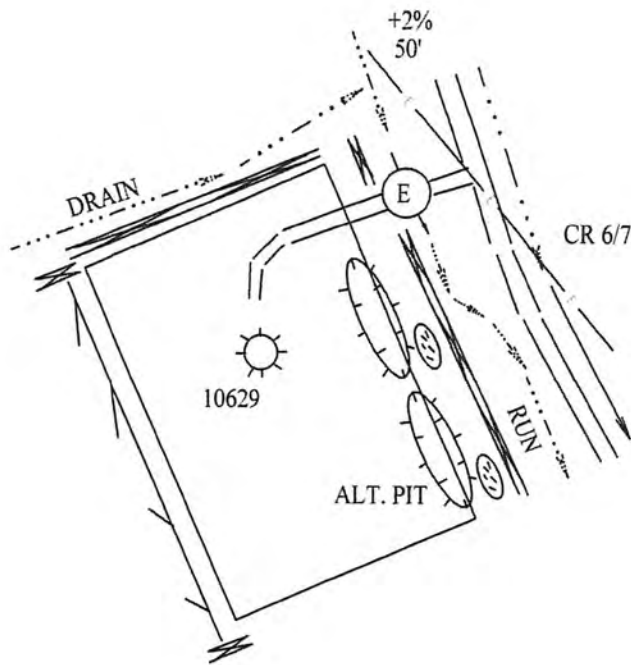
WATERSHED: LITTLE RUN

DISTRICT: EAGLE COUNTY: HARRISON

QUADRANGLE: WALLACE WELL NO.: 10629

DATE: 11/18/14 PAGE of

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 5762



SDW
4/11/16

THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

DRAWINGS TO ACCOMPANY FORM WW-9	
CNX GAS COMPANY LLC	
P. O. BOX 1248	
JANE LEW, WV 26378	
WATERSHED:	LITTLE RUN
DISTRICT:	EAGLE
COUNTY:	HARRISON
QUADRANGLE:	WALLACE
WELL NO.:	10629
DATE:	11/18/14

RECEIVED
Office of Oil and Gas
MAY 02 2016
WV Department of
Environmental Protection

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 5762

LAND SURVEYING SERVICES

Stephen D. Losh, PS J. Michael Evans, PS 21 Cedar Lane Bridgeport, WV 26330
Phone & Fax (304) 842-2018 or 842-5762 sdlosh@frontier.com

November 18, 2014

DRIVING DIRECTIONS FOR 10629

From the junction of State Route 20 and County Route 6 (Jones Run Road) in Lumberport, proceed on County Route 6 for 5.35 miles and turn right on County Route 6/7 (Little Run Road). Go 1.20 miles and turn left on well road.

Nearest Fire Station: Lumberport

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Office of Oil and Gas

MAY 02 2016

WV Department of
Environmental Protection

05/27/2016

3300365P

WW-7
5-02




West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-033-00365 WELL NO.: 10629
FARM NAME: D. R. BOGCESS
RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC
COUNTY: HARRISON DISTRICT: EAGLE
QUADRANGLE: WALLACE
SURFACE OWNER: MATTHEW J. COLEMAN
ROYALTY OWNER: LOUISE DEFRANCIS
UTM GPS NORTHING: 4,364,596.89 METERS
UTM GPS EASTING: 549,554.43 METERS GPS ELEVATION: 355.28 METERS

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

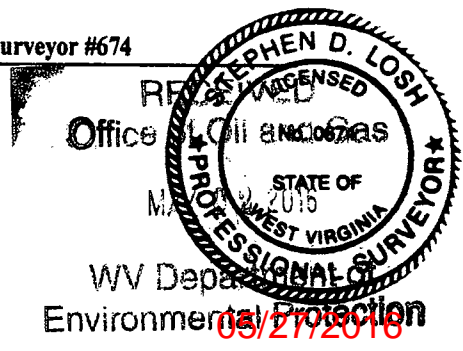
- 1. Datum: NAD 1983, Zone: 17 Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
- 2. Accuracy to Datum - 3.05 meters
- 3. Data Collection Method: Survey Grade GPS ____ : Post Processed Differential ____ Real-Time Differential ____
Mapping Grade GPS X : Post Processed Differential ____ Real-Time Differential X

I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature 
Stephen D. Losh, PS #674

Title WV Professional Surveyor #674

Date 11/18/14



CNX USE: NAD 27 WV NORTH SPC: 10629 = 339,849.47' 1,738,881.80' ELEV. = 1165.61'

WV Department of Environmental Protection
03/27/2016