



1) Date: May 25, 19 83

2) Operator's Well No. BR-117

3) API Well No. 47 039 3972
State County Permit

DRILLING CONTRACTOR:

Southeastern Gas Co.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

P.O. Box 2347, Charleston, WV **OIL AND GAS WELL PERMIT APPLICATION**

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 882.30' Watershed: Bradford Hollow of Kanawha River
District: Loudon County: Kanawha Quadrangle: Belle 7.5'
- 6) WELL OPERATOR Southeastern Gas Co. 11) DESIGNATED AGENT J.C. Liming
Address P.O. Box 2347, 1319 Quarrier St. Address P.O. Box 2347, 1319 Quarrier St.
Charleston, WV 25328 Charleston, WV 25328
- 7) OIL & GAS ROYALTY OWNER Joseph Orlandi 12) COAL OPERATOR N/A
Address 4109 Kanawha Ave., SE Address _____
Charleston, WV 25304
- Acreage 77.8
- 8) SURFACE OWNER Joseph Orlandi 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Joseph Orlandi
Address 4109 Kanawha Ave., SE
Charleston, WV 25304
- Acreage 77.8
- 9) FIELD SALE (IF MADE) TO: Name _____
Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Craig Duckworth
Address P.O. Box 107
Cassaway, WV 26624
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Big Lime
- 17) Estimated depth of completed well, 1,500 feet
- 18) Approximate water strata depths: Fresh, 591 feet; salt, 755 feet.
- 19) Approximate coal seam depths: 600 Is coal being mined in the area? Yes / No

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JUN -7 1983
OIL & GAS DIVISION
DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	10-3/4	N/A	32.0		X	20'	20'	To Surface Kinds N/A
Fresh water								
Coal	8-5/8	H-40	20.0		X	630'	630'	To Surface Sizes <u>by Rule 15.05</u>
Intermediate	7	N/A	20.0		X	1207'	577'	
Production	5-1/2	N/A	14.0		X	1500'	1500'	300' Depths set <u>or as req</u> <u>by Rule 15.01</u>
Tubing								
Liners								Perforations: Top Bottom

- 21) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Robert L. Kelley
My Commission Expires May 24, 1993

Signed: J.C. Liming
Its: Vice President

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-3972 Date June 28 12/29/2023 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires February 28, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>lp</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>2427</u>
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[Signature]
Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

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

12/29/2023

Date: _____, 19_____

By _____

Its _____

12/29/2023



State of West Virginia

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

DESIGNATED AGENT J. C. Lining

COMPANY NAME Southeastern Gas Company

Address P.O. Box 2347, Charleston, WV

Telephone (304) 343-9566

Telephone (304) 343-9566

SOIL CONS. DISTRICT Capitol

LANDOWNER Joseph Orlandi

Southeastern Gas Company (Agent)

Revegetation to be carried out by

Capitol

This plan has been reviewed by

and additions become a part of this plan:

JUN 6 1983

(Date)

(SCD Agent)

JUN - 7 1983

RECEIVED

OIL & GAS DIVISION

DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Temporary Stream Crossing

Structure Diversion Ditch

Spacing See Sketch

Material Soil

Page Ref. Manual 2-20, 2-21, 2-22, 2-8

Page Ref. Manual 2-12, 2-13

Structure Sediment Barrier

Structure Pit

Spacing N/A

Material Soil

Page Ref. Manual 2-16, 2-18

Page Ref. Manual N/A

Structure

Structure Sediment Barrier

Spacing

Material Hay or Straw Bales

Page Ref. Manual

Page Ref. Manual 2-16, 2-18

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 3 Tons/acre or correct to pH 6.5

Lime 3 Tons/acre or correct to pH 6.5

Fertilizer 500 lbs/acre (10-20-20 or equivalent)

Fertilizer 500 lbs/acre (10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Mulch Hay or Straw 2 Tons/acre

Seed* Ky. 31 Tall Fescue 50 lbs/acre

Seed* Ky. 31 Tall Fescue 50 lbs/acre

lbs/acre

lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Robert Alley

ADDRESS Southeastern Gas Company

P. O. Box 2347

Charleston, West Virginia 25328

PHONE NO. (304) 343-9566

NOTES: Please request "Inoculation" cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



MAY 31 1983

DATE May 27, 1983

WELL NO. BR-117

API NO. 47 - 039 - 3972

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Belle 7.5'

LEGEND	
Well Site	
Access Road	



12/29/2023

xv

Line Item Explanation

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- 3) To be filled out by office of oil & gas
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 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
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- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
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12/29/2023

Date: 6-6, 1983

By Joseph Orlando
Its OWNER



1) Date: May 25, 1983
 2) Operator's Well No. BR-117
 3) API Well No. 47 State 830 County 8072 Permit

DRILLING CONTRACTOR:

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 882.30' Watershed: Bradford Hollow of Kanawha River
 District: Linton County: Kanawha Quadrangle: Belle 7.5'
- 6) WELL OPERATOR Southeastern Gas Co. 11) DESIGNATED AGENT J.C. Lining
 Address P.O. Box 2347, 1319 Quarrier St. Address P.O. Box 2347, 1319 Quarrier St.
Charleston, WV 25328 Charleston, WV 25328
- 7) OIL & GAS ROYALTY OWNER Joseph Orlandi 12) COAL OPERATOR N/A
 Address 4109 Kanawha Ave., SE Address
Charleston, WV 25304
- 8) SURFACE OWNER Joseph Orlandi 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address 4109 Kanawha Ave., SE Name Joseph Orlandi
Charleston, WV 25304 Address
 Name
 Address
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Address
 Address
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION,
- 17) Estimated depth of completed well, 1,500 feet
- 18) Approximate water strata depths: Fresh, 391 feet; salt, 755 feet.
- 19) Approximate coal seam depths: 600 Is coal being mined in the area? Yes / No X

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor										Kinds
Fresh water										
Coal										Sizes
Intermediate										
Production										Depths set
Tubing										
Liners										Perforations:
										Top Bottom

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
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- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____ Signed: _____
 My Commission Expires _____ Its: _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number _____ Date 12/29/2023

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector.**
 (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires February 28, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: _____	Agent: _____	Plat: _____	Casing: _____	Fee: _____
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Administrator, Office of Oil and Gas

CAPITOL SOIL CONSERVATION DISTRICT

DATE: JUNE 6, 1983

1422 Federal Building
500 Quarrier St.
Charleston, WV 25301

WELL SITE: BR-117
SOUTHEASTERN GAS COMPANY
P. O. BOX 2347
CHARLESTON, WV 25328
ROBERT ALLEY - 343-9566

QUADRANGLE: BELLE

LANDOWNER: JOSEPH ORLANDI

PLAN PREPARED BY: Robert Alley, Southeastern Gas Company

PLAN RECEIVED BY CAPITOL SCD ON: MAY 31, 1983, delivered to Capitol SCD.

PLAN REVIEWED BY: Linda M. Cable, District Manager, Capitol SCD, on
JUNE 3, 1983.

RECLAMATION PLAN COMMENTS:

- (1) The recommended rate of lime is 3 tons per acre.
- (2) An open ditch should be installed between the well site and the existing access road since the slope is away from the well site.
- (3) The existing road, traveled by your equipment in drilling and maintenance, shall be considered the same as the proposed access roads as far as your responsibilities are concerned; i.e.: installing proper cross drains, seeding dozed and eroded land, and installing drainage ditches as necessary. THIS IS ACCORDING TO THE WEST VIRGINIA EROSION & SEDIMENT CONTROL MANUAL.
- (4) TREATMENT AREA I was listed on the plan and not on the sketch. TREATMENT AREA I will refer to that section of the road bordering the well site. SEE SKETCH.

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JUN -7 1983

OIL & GAS DIVISION
DEPT. OF MINES

R. C. Alford

NOTE: ALL COMMENTS SHOULD BE STUDIED SO THEY
WILL NOT BE REPEATED ON FUTURE PLANS.

R. C. ALFORD, CHAIRMAN
BOARD OF SUPERVISORS

cc: Office of Oil & Gas, WV Dept. of Mines

12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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FEB 14 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3972

Oil or Gas Well _____
(KIND)

Company SOUTHEASTERN GAS
 Address CHARLESTON WVA.
 Farm ORLANDI
 Well No. BR-117
 District LOUDON County KANAWHA
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names CO TOOL'S - SPUDDER

Remarks: FRAC. WELL.

2-6-83
DATE

Jerry Holcomb
12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

DISTRICT 12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

NOV 28 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-3972

Oil or Gas Well _____
(KIND)

Company SOUTHEASTERN GAS

Address CHARLESTON W.VA.

Farm ORLANDI

Well No. BR-117

District LOUDON County KANAWHA

Drilling commenced 11-17-83

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 10 SIZE 38' No. FT. 11-17-83 Date

NAME OF SERVICE COMPANY BY HAND

COAL WAS ENCOUNTERED AT 60-63 FEET INCHES

175-177 FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Drillers' Names Co Tools - ~~...~~ SPUDDER

Remarks: Drilling @ 150'

11-22-83

DATE

Jerry Holcomb 12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	BRIDGES		CASING AND TUBING		
			CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT 12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
DEC 13 1983

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 039-3972

Oil or Gas Well _____
(KIND)

Company SOUTHEASTERN GAS
 Address CHARLESTON W.VA.
 Farm LOUDDON ORLANDI
 Well No. B.R. 117
 District LOUDDON County KANAWHA
 Drilling commenced 11-17-83
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4			
6 3/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT 475' FEET 476' INCHES
585' FEET 590' INCHES FEET INCHES
 FEET INCHES FEET INCHES

Drillers' Names Co Tools

Remarks: T.D. SURFACE HOLE @ 607' READY TO RUN SURFACE

12-5-83
DATE

Jerry Holcomb
12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED							BRIDGES		
CEMENT-THICKNESS	WOOD-SIZE	LEAD					CASING AND TUBING		
							RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR **12/29/2023**

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

DEC 13 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 039-3972

Oil or Gas Well _____
(KIND)

Company SOUTHEASTERN GAS
 Address CHARLESTON WVA.
 Farm ORLANDI
 Well No. BR.-117
 District LOUDON County KANAWHA
 Drilling commenced 11-17-83
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 600 No. FT. 12-6-83 Date
 NAME OF SERVICE COMPANY A HALLI
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names CO TOOLS - SPUDDER

Remarks: 130 SK NEAT PLUG DOWN @ 4:15 - CIR TO SURFACE

12-6-83
DATE

Jerry Holcomb
12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

RECEIVED

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT 12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

DEC 27 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3972

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Size			
16			Kind of Packer _____
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10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names CO TOOLS - SPUDDER

Remarks: HOLE CAVED IN @ 900'-916' BOTTOM OF SALT SAND 900'
CLEAN OUT + CEMENT W/25SK START BACK DRILLING TODAY @
12: NOON

12-19-83
DATE

Jerry Holcomb
12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE LOST

Drillers' Names _____

Remarks: _____

I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR 12/20/2023

INSPECTOR'S PERMIT SUMMARY FORM

6-28-83

WELL TYPE _____
ELEVATION _____
DISTRICT Louden
QUADRANGLE Marmet
COUNTY Wenatche

API# 47-039-3972
OPERATOR South Eastern Gas Co.
TELEPHONE _____
FARM Otlandi, Joseph
WELL # BR 117

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

ED
ENERGY
OIL AND GAS

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

JUN 10 1986

CASING
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 6-5-86

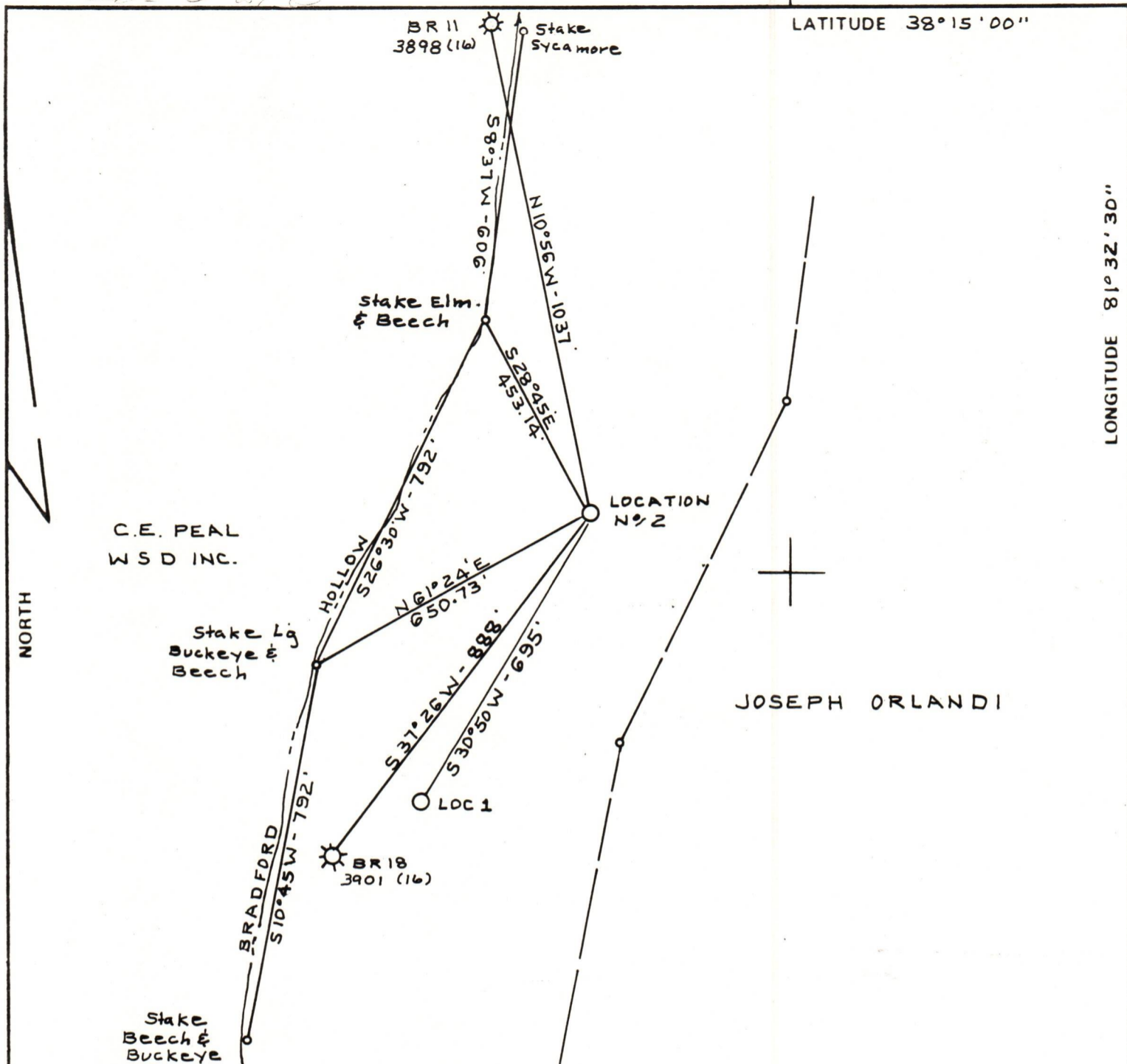
Carlos W. Hively 12/29/2023
Inspector's signature

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



FILE NO. BK 75 PG 40
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1 - 200'
 PROVEN SOURCE OF ELEVATION USGS BM 12 JJS
4" Y" RT 61 & US RT 119
EL 604.0'

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 MINES.
 (SIGNED) C. S. Volley Jr.
 R.P.E. _____ L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE MAY 14, 1983
 OPERATOR'S WELL NO. BR-117
 API WELL NO. 47-039-3972
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 882.30 WATER SHED BRADFORD HOLLOW OF KANAWHA RIVER
 DISTRICT LOUDON COUNTY KANAWHA
 QUADRANGLE BELLE 7.5'
 SURFACE OWNER JOSEPH ORLANDI ACREAGE 180
 OIL & GAS ROYALTY OWNER ELIZABETH M. BRADFORD ET AL LEASE ACREAGE 77.8 12/29/2023
 LEASE NO. BR-75
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BIG LIME ESTIMATED DEPTH 1500'
 WELL OPERATOR SOUTHEASTERN GAS CO DESIGNATED AGENT J.C. LIMING
 ADDRESS P.O. BOX 2347 ADDRESS P.O. BOX 2347
CHARLESTON WVA 25328 CHARLESTON WVA 25328

June 6, 1983

Southeastern Gas Company

Well Number: BR-117

EXTRACTION RIGHTS

Section 21) on Oil & Gas Well Permit Application (Code 22-4-11(c))

- (1.) A tract of land situated near the waters of Lens Creek, in Loudon District, Kanawha County containing 77 ± acres.
- (2.) Elizabeth Bradford, Ashton Price, D. K. Flynn, Mary Bledsoe, and Robert Bradford leased the oil and gas rights to Ira G. Sayre.
- (3.) Recorded in Lease Book 39, page 577.
- (4.) The lessee agreed to pay to the lessor 1/8 of the gross receipts from sale of gas and/or oil.

RECEIVED
JUN -7 1983

OIL & GAS DIVISION
DEPT. OF MINES

12/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
JAN 30 1984

INSPECTOR'S WELL REPORT DEPT. OF MINES

OIL & GAS DIVISION

Permit No. 039-3972

Oil or Gas Well _____
(KIND)

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 Address CHARLESTON WVA
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CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names Co Tools SPUDDER

Remarks: DRILLING @ 1495 SET 964' 7" SET ON SHOE

1-23-84
DATE

Jerry Holcomb 12/29/2023
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR
12/29/2023

Operator's Well No. BR-117

API Well No. 47 - 039 - 3972
State County Permit

RECEIVED
OCT 29 1985

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DIVISION OF OIL & GAS
DEPT. OF ENERGY

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Cumberland Gas Company
Address P O Box 2386
Charleston, WV 25328

DESIGNATED AGENT Fred A Radford
Address P O Box 2386
Charleston, WV 25328

GEOLOGICAL TARGET FORMATION: Big Lime Depth 1559 feet
Perforation Interval 1461-1469 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 51.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE	TIME	END OF TEST-DATE	TIME	DURATION OF TEST
2-15-84	10:30 am	2-16-84	10:30 am	24 hours
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
--	--	--	--	
OIL PRODUCTION DURING TEST	GAS PRODUCTION DURING TEST		WATER PRODUCTION DURING TEST & SALINITY	
5 bbls.	60 Mcf		-- bbls. -- grm.	
OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			
-- °API	--			

GAS PRODUCTION		
MEASUREMENT METHOD	POSITIVE CHOKE	
FLANGE TAP <input type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/> Orifice Tester	CRITICAL FLOW PROVER <input type="checkbox"/>	
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.
DIFFERENTIAL	STATIC	GAS GRAVITY (Air=1.0)
GAS GRAVITY (Air=1.0)	FLOWING TEMPERATURE	MEASURED ESTIMATED
24 HOUR COEFFICIENT.		GAS TEMPERATURE °F
		24 HOUR COEFFICIENT
		PRESSURE - psia

TEST RESULTS			
DAILY OIL	DAILY WATER	DAILY GAS	GAS-OIL RATIO
5 bbls.	0 bbls.	60 Mcf.	12 SCF/STB

Cumberland Gas Company

Well Operator
By: Fred A. Radford
Its: Vice President

12/29/2023

RECEIVED
OCT 29 2003
DIVISION OF OIL & GAS
DEPT. OF ENERGY

[Faint handwritten signature]

12/29/2023

12/29/2023

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Southeastern Gas Company

Address P.O. Box 2347, Charleston, WV

Telephone (304) 343-9566

LANDOWNER Joseph Orlandi

Revegetation to be carried out by _____

This plan has been reviewed by _____

and additions become a part of this plan:

JUN 6 1983 (Date)
P. C. [Signature] (SCD Agent)

DESIGNATED AGENT J. C. Liming
Address P.O. Box 2347, Charleston, WV
Telephone (304) 343-9566
SOIL CONS. DISTRICT Capitol
Southern Gas Company (Agent)

SCD. All corrections

JUN - 7 1983



DATE May 27, 1983
WELL NO. BR-117
API NO. 47 - 039 - 3972

MAY 31 1983

State of West Virginia

ACCESS ROAD

(A) Structure Temporary Stream Crossing

Spacing See Sketch

Page Ref. Manual 2-20, 2-21, 2-22, 2-8

(B) Structure Sediment Barrier

Spacing N/A

Page Ref. Manual 2-16, 2-18

(C) Structure _____

Spacing _____

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I
Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Seed *Ky. 31 Tall Fescue 50 lbs/acre

lbs/acre _____

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Treatment Area II
Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Seed *Ky. 31 Tall Fescue 50 lbs/acre

lbs/acre _____

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.

PLAN PREPARED BY Robert Alley

ADDRESS Southeastern Gas Company

P. O. Box 2347


Charleston, West Virginia 25328


PHONE NO. (304) 343-9566

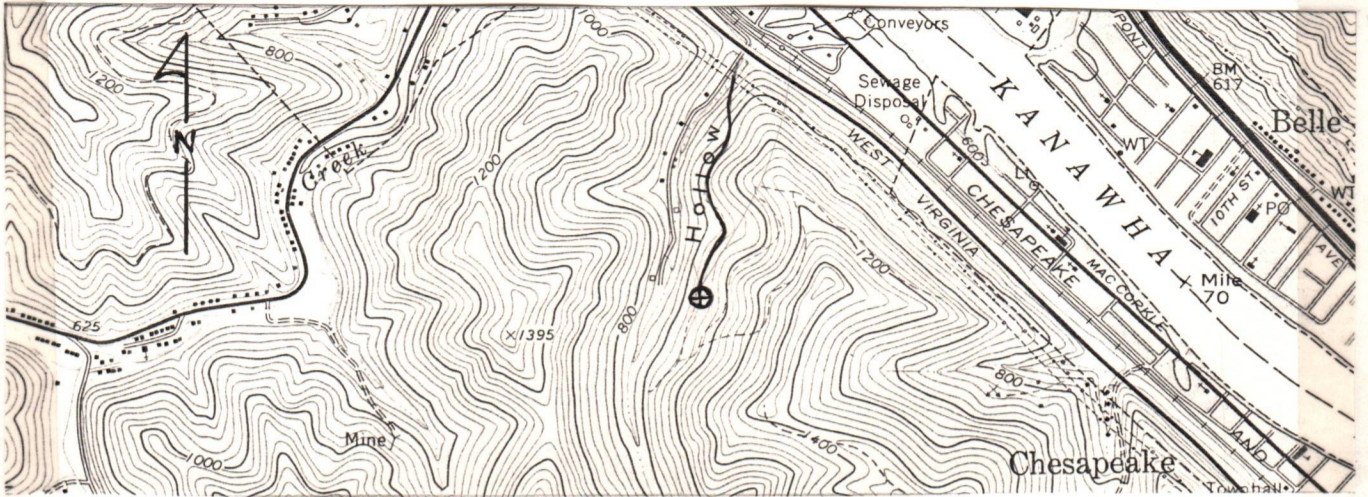
NOTES: Please request landowner cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Belle 7.5'

LEGEND

Well Site 













Access Road 

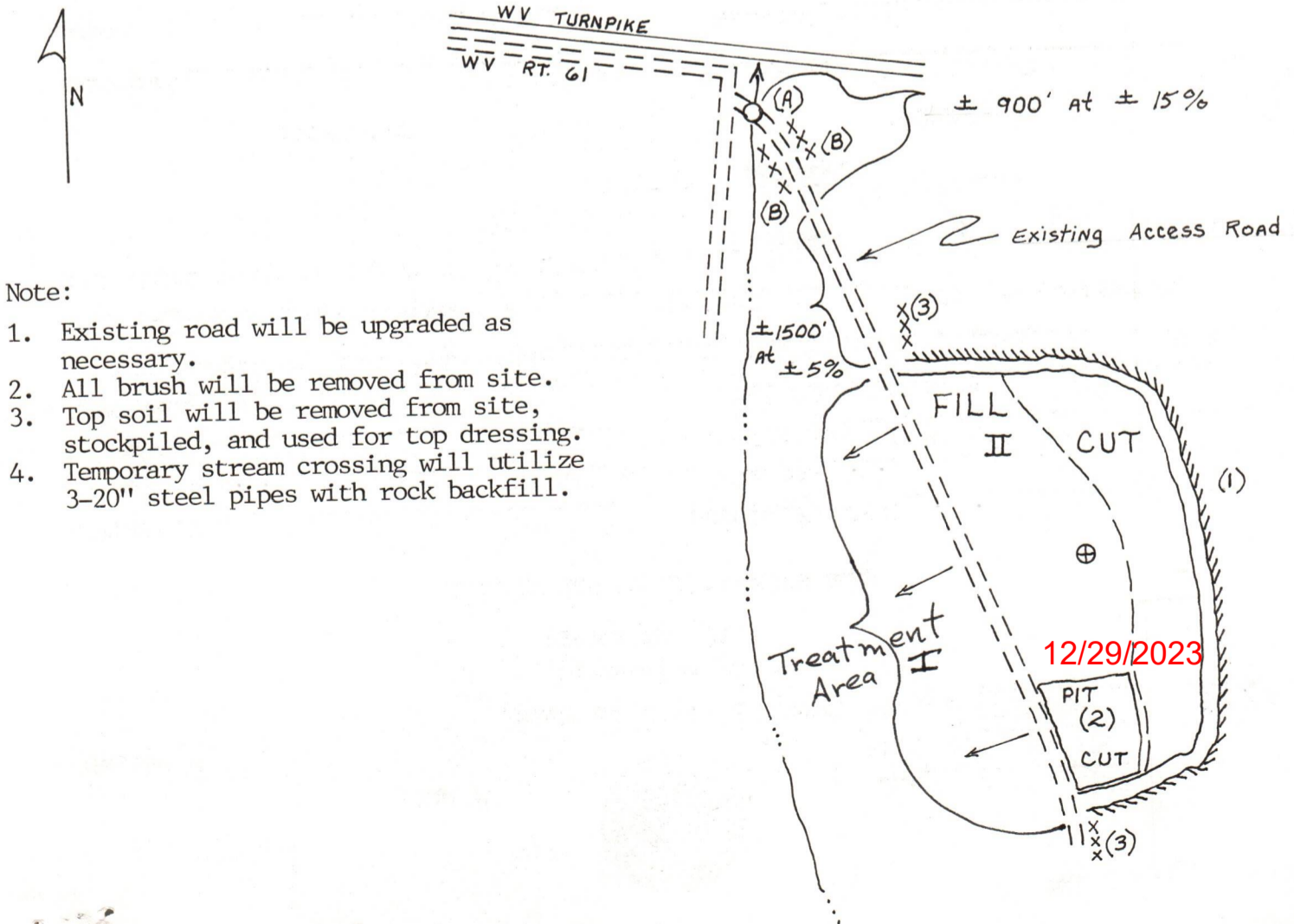


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



- Note:
- Existing road will be upgraded as necessary.
 - All brush will be removed from site.
 - Top soil will be removed from site, stockpiled, and used for top dressing.
 - Temporary stream crossing will utilize 3-20" steel pipes with rock backfill.