



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 27 1978

Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

*Handwritten mark*

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Surface Owner Teddy Peters  
Address Glenville, WV  
Mineral Owner Teddy Peters et al  
Address Glenville, WV  
Coal Owner Teddy Peters et al  
Address Glenville, WV  
Coal Operator None  
Address \_\_\_\_\_

DATE October 20, 1978  
Company Eastern American Energy Corp. dba Pacific States Gas & Oil, Inc.  
Address P.O. Box 67, Glenville, WV  
Farm A.F. Peters Acres 103.5  
Location (waters) Little Kanawha River  
Well No. E.A. #2 Elevation 1027  
District Glenville County Gilmer  
Quadrangle Glenville

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-3-79.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight  
ADDRESS Smithville, WV 26178  
PHONE 477-3660

*Signature of Deputy Director*  
**Deputy Director - Oil & Gas Division**

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 19 19 29 by Flo and Teddy Peters made to Pitts. & WV Gas Co. and recorded on the June day of 13 19 29 in Gilmer County, Book 117 Page 84

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address of Well Operator

Very truly yours,  
(Sign Name) *Tom Cully III*  
Well Operator  
P.O. Box N  
Street  
Glenville,  
City or Town  
West Virginia  
State

\*SECTION 3 . . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

GIL-3408 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-021

Signed by *Tom Cully III*



**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME S.W. Jack Drilling NAME John Mork  
 ADDRESS Buckhannon, WV 26201 ADDRESS P.O. Box N, Glenville, WV  
 TELEPHONE 462-2161 TELEPHONE 462-7744  
 ESTIMATED DEPTH OF COMPLETED WELL: 6500 ft. ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	400	400	Surface
7			
5 1/2			
4 1/2	6500	6500	250 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET SALT WATER None FEET  
 APPROXIMATE COAL DEPTHS 110 feet  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code. 02/16/2024

\_\_\_\_\_  
 For Coal Company

\_\_\_\_\_  
 Official Title



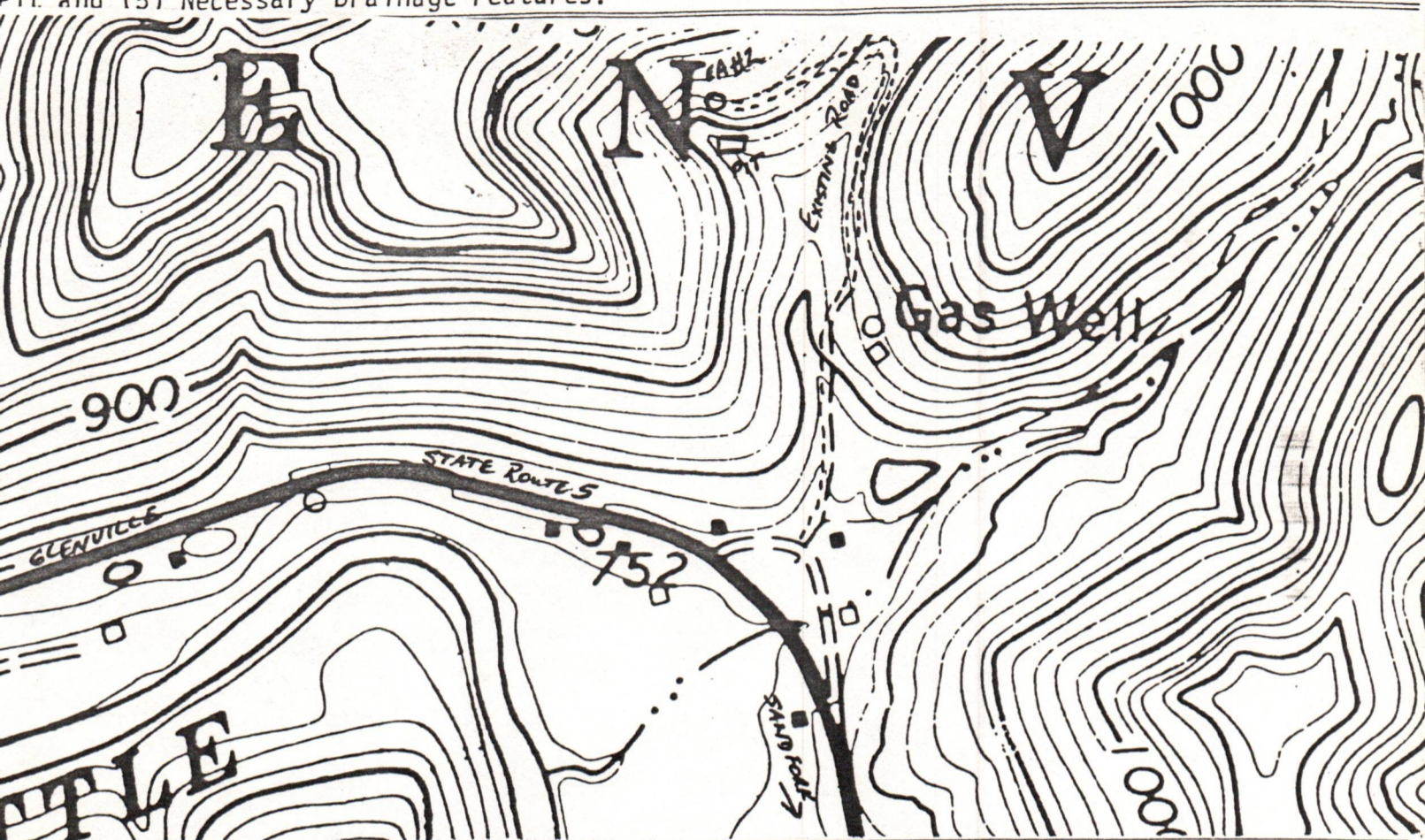
RECLAMATION PLAN

WELL NO. E.A. #2

QUADRANGLE Glenville

SCALE 1"=500'

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME Eastern American Energy Corp. dba Pacific States Gas & Oil, Inc.

PERMIT NO. Dil-3408

ARM A.F. Peters

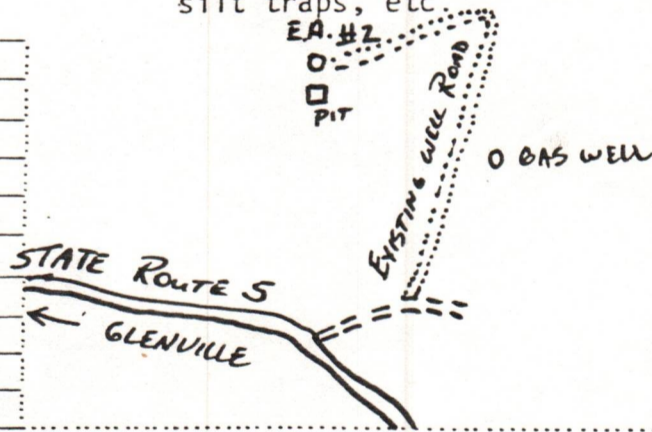
DISTRICT Glenville

COUNTY Gilmer

STATEMENT OF RECLAMATION PLAN:

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc

Well location and access road banks to be hydroseeded. Pits to be filled and graded as nearly as possible to original contour.



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OIL & GAS DIVISION DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

Please indicate ( ) "YES" if the district inspector was present.

02/16/2024

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Submitted By: [Signature] Title Vice President

Date 10/20/78

[Signature]



A 11

# Pacific States Gas & Oil, Inc.

GAS AND OIL PRODUCTION



P.O. Box 67  
Glenville, West Virginia 26351

(304) 462-8118  
(304) 462-7744

November 3, 1978

Mr. Robert L. Dodd  
Deputy Director  
Oil and Gas Division  
Department of Mines  
1613 Washington Street East  
Charleston, West Virginia 25311

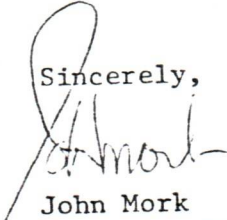
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NOV - 4 1978  
OIL & GAS DIVISION  
DEPT. OF MINES

Dear Mr. Dodd:

This letter constitutes your authorization to include under Pacific States' blanket bond certificate of deposit the following wells to be drilled by Eastern American Energy Corporation dba Pacific States Gas & Oil, Inc.:

<u>WELL NAME</u>	<u>Permit #</u>
M.E. Snider #1	047-021-2995
E.D. Fulton #7	047-021-3376-DD
H.L. Simmons #3	047-021-3383: Deep Well Permit pending
L. Radcliff #2	047-021-3391: to be repermited as a deep well.
E.W. Floyd #2	To be permitted.
A.F. Peters #2	Deep Well Permit pending.
J.E. Campbell #1	To be permitted.
G. Collins #4	047-021-3374: to be repermited as a deep well.

Should you have any questions regarding this matter, please do not hesitate to contact me. Thank you.

Sincerely,  
  
John Mork  
Executive Vice President

JM/k

02/16/2024





STATE OF WEST VIRGINIA  
OIL AND GAS CONSERVATION COMMISSION  
CHARLESTON 25305

October 30, 1978

THOMAS E. HUZZEY  
Commissioner

Mr. Robert L. Dodd  
Deputy Director  
Department of Mines  
Oil and Gas Division

RE: APPLICATION FOR PERMIT #47-021 - 3408 TO DRILL DEEP WELL

COMPANY: EASTERN AMERICAN ENERGY CORPORATION

FARM: AURORA FLO PETERS

COUNTY: GILMER DISTRICT: GLENVILLE

The application of the above company is APPROVED FOR DEVONIAN SHALE COMPLETION  
(APPROVED-DISAPPROVED)

Applicant HAS (HAS-HAS NOT) complied with the provisions of chapter twenty-two, article four-a, (§22-4A), of the code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation, as follows:

1. Provided a certified copy of duly acknowledged and recorded consent and easement from all surface owners; Yes
2. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and; 47-021-2995 - 4210'
3. Provided a plat showing that the proposed location is a distance of 673 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3000 feet of the proposed location: None

Very truly yours,

*Thomas E. Huzzey*  
Thomas E. Huzzey  
Commissioner

02/16/2024



STATE OF WEST VIRGINIA 17  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date January 31, 1979, 19

FORM IV-35  
(Obverse)

Operator's Well No. A.F. Peters #2  
API Well No. 47 - 021 <sup>3408</sup>  
State County Perm.

[08-78,

WELL OPERATOR'S REPORT  
OF

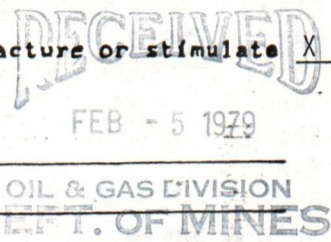
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_  
(If "Gas", Production X / Underground storage \_\_\_ / Deep X / Shallow \_\_\_ /)

LOCATION: Elevation: 1027 Watershed: Little Kanawha River  
District: Glenville County: Gilmer Quadrangle: Glenville

WELL OPERATOR Eastern American Energy Corporation DESIGNATED AGENT James C. Recht  
Address P.O. Box N Address P.O. Box N  
Glenville, West Virginia 26351 Glenville, West Virginia 26351

PERMITTED WORK: Drill X / Convert \_\_\_ / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_  
Other physical change in well (specify) \_\_\_\_\_



PERMIT ISSUED ON October 20, 1978 OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Goodnight  
Address Smithville  
West Virginia

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 6500 feet  
Depth of completed well, 5129 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, 40 feet; salt, \_\_\_ feet.  
Coal seam depths: 16'-19'; 360'-363' Is coal being mined in the area? NO  
Work was commenced November 30, 1978, and completed January 15, 1979

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	20"	--	--		X	0-20	-0-	Kinds
Fresh water	8 <sup>5</sup> / <sub>8</sub>	H 40	20 lb.	X		0-413	125 SKS	Sizes
Coal								
Intermediate								
Production	4 <sup>1</sup> / <sub>2</sub>					0-5056	175 SKS	Depths set
Tubing	1 <sup>1</sup> / <sub>2</sub>	J55	2.75	X		0-4552	----	
liners								Perforations:
								Top Bottom
								4754-----4910
								4573-----4575

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 4740--4920 feet  
4566--4582 feet  
Gas: Initial open flow, N/A Mcf/d Oil: Initial open flow, N/A Bbl/d  
Final open flow, 630 Mcf/d Final open flow, -0- Bbl/d  
Time of open flow between initial and final tests, 4 hours  
Static rock pressure, 1800 psig (surface measurement) after 24 hours shut in 02/16/2024

[If applicable due to multiple completion--]

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Final open flow, \_\_\_\_\_ Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_\_\_ hours  
Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in



08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

RF: 1st Stage: 8-0.49 Holes @ 4910' (2), 4881' (2), 4859 (2), 4760', 4754.  
 2nd Stage: 8-0.39 Holes @ 4573-4575'

RFAC: 1st Stage: 310 BBLS H<sub>2</sub>O, 10 Gal W-22, 10 Gal F-78, 10 Gal L-53, 200 lbs. J-266, 15000 lbs. 80/100 Sand, 15000 lbs. 20/40 Sand.  
 2nd Stage: 470 BBLS H<sub>2</sub>O, 20 Gal F-78, 15 Gal W-22, 20 Gal L-53, 500 lbs. J-266, 30000 lbs. 80/100 Sand, 30000 lbs. 20/40 Sand.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	5	
Sand & Shale			5	16	
Coal			16	19	
Sand			19	95	
Shale			95	103	
Sand			103	148	
Shale			148	162	
Sand & Shale			162	177	
Sand			177	188	
Red Rock			188	201	
Sand			201	205	
Sand & Shale			205	221	
Sand			221	229	
Red Rock			229	241	
Sand			241	248	
Sand & Shale			248	286	
Sand			286	291	
Sand & Shale			291	360	
Coal			360	363	
Sand & Shale			363	1606	E Log Top @ 1550
Little Lime			1606	1622	
Blue Monday			1622	1646	
Pencil Cave			1646	1657	
Big Lime			1657	1702	
Big Injun			1702	1806	
Sand & Shale			1806	1860	
Weir			1860	2006	
Shale			2006	4566	
Benson			4566	4582	
Shale			4582	4741	
Elk			4741	4916	
Shale			4916	5129	
TD			5129		

(Attach separate sheets to complete as necessary)

Eastern American Energy Corporation  
 Well Operator  
 By John Mork  
 Its President

02/16/2024

**NOTE:** Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



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OG-11

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

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OIL & GAS DIVISION  
DEPT. OF MINES  
INSPECTOR'S WELL REPORT

Permit No. 61-3408

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Eastern American Energy</u> <u>d/b/a Pacific States</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>A. F. Peters</u>	16			Kind of Packer _____
Well No. <u>E. A # 2</u>	13			
District <u>Glenville</u> County <u>Calaver</u>	10			Size of _____
Drilling commenced <u>12-1-78</u>	8 1/4 <u>8 3/8</u>		<u>402</u>	Depth set _____
Drilling completed _____ Total depth _____	6%			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 3/8</u> SIZE <u>402</u> No. FT. _____ Date _____			
Fresh water <u>40</u> feet _____ feet	<u>Run to Surface 125 SIKS</u>			
Salt water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
	COAL WAS ENCOUNTERED AT <u>16</u> FEET <u>36</u> INCHES			
	<u>360</u> FEET <u>36</u> INCHES FEET INCHES			
	FEET INCHES FEET INCHES			

Drillers' Names Johnson - T.P.

Remarks: Cont - SW, Jack Inc Rotary - Air

Arg - 4319'

12-5-78  
DATE

[Signature] 505  
DISTRICT WELL INSPECTOR

02/16/2024



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



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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 61-3408

Oil or Gas Well \_\_\_\_\_  
(KIND)

Eastern American Energy Corp d/ba  
Company Pacific States

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

Address \_\_\_\_\_

Farm A. F. Peters

Well No. E.A. # 2

District Glenville County Gilmer

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 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 Johnson - T. P

Cont - S. W. JACK INC. Rotary - Air

Remarks:

*Fit Permit - O.K*

12-1-78

DATE

B. D. Doughty 505

DISTRICT WELL INSPECTOR

02/16/2024









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DEPARTMENT OF ENERGY  
OIL AND GAS

APR 1 1986

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
March 28, 1984

COMPANY Eastern American Energy Corp, dba  
Pacific States Gas & Oil, Inc.  
P. O. Box 67

PERMIT NO 021-3408 (11-3-78)

FARM & WELL NO A. F. Peters, #2

Glenville, West Virginia 26351

DIST. & COUNTY Glenville/Gilmer

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Craig Duckworth

DATE 3/26/86

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...  
Administrator - Oil & Gas Division

April 2, 1986

DATE



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<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p>047-021-3048</p>	<p>FEB 28 1979</p>							
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p>107 Section of NGPA</p>	<p>OIL &amp; GAS DIVISION DEPT. OF MINES</p>							
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p>5129</p>	<p>feet</p>							
<p>4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)</p>	<p>Eastern American Energy Corporation Name Box N Street Glenville City</p>	<p>Not Assigned Seller Code W.Va. 26351 State Zip Code</p>							
<p>5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)</p>	<p>GLENVILLE Field Name GILMER County</p>	<p>WV State</p>							
<p>(b) For OCS wells:</p>	<p>Area Name</p>	<p>Block Number</p>							
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>	<p>A.F. PETERS #2</p>								
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</p>	<p>_____</p>								
<p>6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p>Equitable Gas Company Name</p>	<p>#5939 Buyer Code</p>							
<p>(b) Date of the contract:</p>	<p>1 1 1 6 1 7 7 Mo. Day Yr.</p>								
<p>(c) Estimated annual production:</p>	<p>110.0 MMcF.</p>								
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">(a) Base Price (\$/MMBTU)</td> <td style="width:25%;">(b) Tax</td> <td style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</td> <td style="width:25%;">(d) Total of (b) and (c)</td> </tr> <tr> <td style="text-align: center;">1.510</td> <td style="text-align: center;">0.187</td> <td style="text-align: center;">---</td> <td style="text-align: center;">1.697</td> </tr> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (b) and (c)	1.510	0.187	---	1.697
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1.510	0.187	---	1.697						
<p>8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">(a) Base Price (\$/MMBTU)</td> <td style="width:25%;">(b) Tax</td> <td style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</td> <td style="width:25%;">(d) Total of (b) and (c)</td> </tr> <tr> <td style="text-align: center;">2.116</td> <td style="text-align: center;">0.261</td> <td style="text-align: center;">---</td> <td style="text-align: center;">2.373</td> </tr> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (b) and (c)	2.116	0.261	---	2.373
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2.116	0.261	---	2.373						
<p>9.0 Person responsible for this application:</p>	<p>James C. Recht Name Designated Agent Title <i>James C. Recht</i> Signature 2/20/79 Date Application is Completed (304) 462-8118 Phone Number</p>								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td>Date Received by Juris Agency <b>FEB 28 1979</b></td> </tr> <tr> <td>Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris Agency <b>FEB 28 1979</b>	Date Received by FERC						
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Date Received by FERC									

02/16/2024



C2

WELL OPERATOR: Eastern American Energy Corp.

N/A

FIRST PURCHASER: Equitable Gas Company

005939

OTHER:

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
 790228-107-021-3408  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

Qualifies Section 107, Devonian State well  
 (Signature)

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121  Items not completed - Line No. \_\_\_\_\_
- 2 IV-1 - Agent James C. Recht
- 3 IV-2 - Well Permit
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record  Drilling  Deepening \_\_\_\_\_
- 6 IV-36- Gas-Oil Test: Gas Only  Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
- 7 IV-39- Annual Production \_\_\_\_\_ years No Annual
- 8 IV-40- 90 day Production \_\_\_\_\_ Days off Line: 92
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete  Affidavit Signed
- 18 - 23 Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_ Structure Map \_\_\_\_\_  
 1:4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_ Gas Analyses \_\_\_\_\_  
 Date completed: 11-30-78  
 Date Completed: 1-15-79 Deepened \_\_\_\_\_  
 (5) Production Depth: 4740-4920; 4566-4582  
 (5) Production Formation: Devonian State  
 Final OPEN FLOW: \_\_\_\_\_  
 (5) Initial Potential: 630  
 (5) After FRAC 1800-24 hrs.  
 (6) Other Gas Test: \_\_\_\_\_  
 (7) Avg. Daily Gas from Annual Production: No Production  
 (8) Avg. Daily Gas from 90-day ending w/1-30-79 No Production  
 (8) Line Pressure: N/A PSIG from Daily \_\_\_\_\_  
 (5) All Production: NO  
 (10-17) Does the Laboratory indicate \_\_\_\_\_ NO  
 (10-17) Is \_\_\_\_\_

02/16/2024

SML



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

Date February 10, 1979

Operator's Well No. EASTERN AMERICAN  
A.F. PETERS #2

API Well No. 47 - 021 - 3408  
State County

WELL CLASSIFICATION FORM

HIGH COST GAS WELL  
NGPA Section 107

DESIGNATED AGENT James C. Recht

ADDRESS P.O. Box N  
Glennville, West Virginia 26351

WELL OPERATOR Eastern American Energy Corp. LOCATION: Elevation 1027

ADDRESS P.O. Box N  
Glennville, W.Va. 26351 Watershed Little Kanawha River

GAS PURCHASER Equitable Gas Company  
ADDRESS 420 Boulevard of the Allies  
Pittsburgh, Pa. 15219 Dis. Glennville County Gilmer Quad Glennville

Gas Purchase Contract No. 6748

Meter Chart Code Not yet available  
Date of Contract 11/16/77

\* \* \* \* \*

Date surface drilling began: 11-30-78

Indicate the bottom hole pressure of the well and explain how this was calculated.

The bottom hole pressure of this well is 2027 psig and was calculated by gauging the static surface pressure and using the standard gas deviation formula to extrapolate surface pressure to bottom hole pressure.

AFFIDAVIT

I, John Mork, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun after February 19, 1977, the well completion location is in the Devonian Shale section and I have no knowledge of any information not included in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

*John Mork*  
John Mork

STATE OF WEST VIRGINIA,  
COUNTY OF Gilmer, TO WIT:

I, James C. Recht, a Notary Public in and for the state and county aforesaid, do certify that John Mork, whose name is signed to the writing above, bearing date the 10 day of February, 1979, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 20 day of February, 1979.  
My term of office expires on the 15 day of January, 1989.

*James C. Recht*  
Notary Public

[NOTARIAL SEAL]

02/16/2024





State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

ROBERT L. DODD - P. E.  
DEPUTY DIRECTOR

BEFORE THE OFFICE OF OIL AND GAS  
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATION OF EASTERN )  
AMERICAN ENERGY CORPORATION REQUESTING CLASSI- )  
FICATION UNDER SECTION 107 OF WELLS 47-021-2943,) )  
2995, 3012, 3374, 3376, 3379, and 3408, IN GLEN-) )  
VILLE DISTRICT, GILMER COUNTY, WEST VIRGINIA. )

DOCKET NO. 6

CAUSE NO. 8

Eastern American Energy Corporation has requested classification of the above captioned wells as Devonian Shale wells under Section 107-(c)-(4) of the Natural Gas Policy Act. The Office of Oil and Gas has determined the definition for Devonian Shale in Section 272.101 (c) means natural gas produced from the fractures, micropores, and bedding planes of shale deposited during the Paleozoic Devonian Period.

Section 274.205 (d) requires (3) a gamma ray log; (4) a reference to a standard stratigraphic chart or text establishing that the producing interval is a Devonian Shale.

In view of the significance of these determinations a hearing has been set for:

DATE: January 23, 1980

TIME: 9:00 a.m.

PLACE: Conference Room, First Floor  
1615 Washington Street, East  
Charleston, West Virginia

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS  
OF THE STATE OF WEST VIRGINIA

By: Robert L. Dodd  
Robert L. Dodd, Administrator

Dated at Charleston, West Virginia  
January 9, 1980

02/16/2024





State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

ROBERT L. DODD - P. E.  
DEPUTY DIRECTOR

BEFORE THE OFFICE OF OIL AND GAS  
OF THE DEPARTMENT OF MINES  
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATION OF EASTERN )  
AMERICAN ENERGY CORPORATION REQUESTING )  
CLASSIFICATION UNDER SECTION 107 OF WELLS )  
#47-021-2943, 2995, 3012, 3374, 3376, 3379, )  
and 3408, IN THE GLENVILLE NORTH FIELD, )  
GLENVILLE DISTRICT, GILMER COUNTY, WEST )  
VIRGINIA. )

CAUSE NO. 8

ORDER NO. 1

REPORT OF THE OFFICE

This cause came before the Examiner of the Office of Oil and Gas on January 23, 1980, in the Science and Cultural Center, South Briefing Room, Charleston, West Virginia, after giving notice of hearing as required by law on the application of Eastern American Energy Corporation for classification of wells #47-021-2943, 2995, 3012, 3374, 3376, 3379, and 3408 as Devonian Shale wells under Section 107-(c)-(4) of the Natural Gas Policy Act.

FINDINGS OF FACT

1. Applicant is an operator within the meaning of paragraph 16 of Chapter 22-4-1-(w).
2. Applicant has made a filing for certification pursuant to Rule 34.04
3. Section 107. Ceiling Price for High Cost Natural Gas of the Natural Gas Policy Act includes in (c) Definition of High Cost Natural Gas - For the purposes of this section, the term "high cost natural gas" means natural gas determined in accordance with Section 503 to be - (4) produced from Devonian Shale.
4. The (FERC) Regulations Preamble expands in "Interim Rules Deregulating Certain High Cost Natural Gas" (c) ".....the Commission has expanded the definition to include natural gas produced from any shale deposited during the Paleozoic Devonian Period.



5. The (FERC) Regulations in Part 272 - Deregulated Natural Gas Section 272.101 Definitions. ....(c) Natural gas produced from Devonian Shale means natural gas produced from the fractures, micropores, and bedding planes of shales deposited during the Paleozoic Devonian Period.

6. Applicant withdrew well #47-021-2943 because production is from a sandstone member of the lower Devonian Shale.

7. Applicant defined the producing formation in the remaining six wells as shale and shaley siltstone.

8. Applicant found from pressure buildup testing the volume of fluid calculated to be producible from the "shale and shaley siltstone" reservoir, known locally as the Benson formation, exceeded the volumetric quantity of fluid that could be contained in the reservoir.

9. Applicant found no abnormal amounts of inert gases in the wells for which classification is requested that would distinguish the production from other Devonian production.

10. Applicant found no reservoir pressure anomalies in the wells for which classification is requested.

11. An amicus curiae geologist stated, "Micropores directly bordering the borehole, they could produce gas. But most of the gas that comes into the well either comes in by a fracture or thin silt layer that may lie within the shale....." in response to a question about micropore production.

12. The amicus curiae geologist stated, "The only thing the 20 API units defines is the organic rich black shales." Thus, "It would only apply to the Marcellus shale and without measuring, I'm making an estimate that it would be about ten percent of the section. I may be wrong at that," but, "there is nothing in the act that would exclude other shales of Devonian Age."

13. An intervenor geological witness characterized the Benson as a siltstone or dirty siltstone that is not homogenous, and that ".... I would say generally I would like to stay away from numbers" in response to a question about using a gamma ray log API number as a determining standard. He further defined the producing thin silt stringers in the shale as "three, four or five feet" thick.

#### CONCLUSION OF LAW

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.



2. That pursuant to Chapter 22, Article 4, Code of West Virginia of 1931, as amended, the Office has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

It is Ordered wells #47-021-2995, 3012, 3374, 3376, 3379, and 3408 are classified as Section 107 wells, and further it is Ordered that all future wells in the Glenville North Field completed in the interval between the base of the Berea and the top of the Onondaga that comply with the distance limitations of Chapter 22-4B-8 will be classified as Section 107.

The Office of Oil and Gas further incorporates the Report of the Office and the Findings of Fact and Conclusion of Law dated January 23, 1980, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

Entered this 19th day of February, 1980.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS  
OF THE DEPARTMENT OF MINES  
OF THE STATE OF WEST VIRGINIA

By: Thomas E. Huzzey  
Thomas E. Huzzey, Examiner

By: Robert L. Dodd  
Robert L. Dodd, Administrator

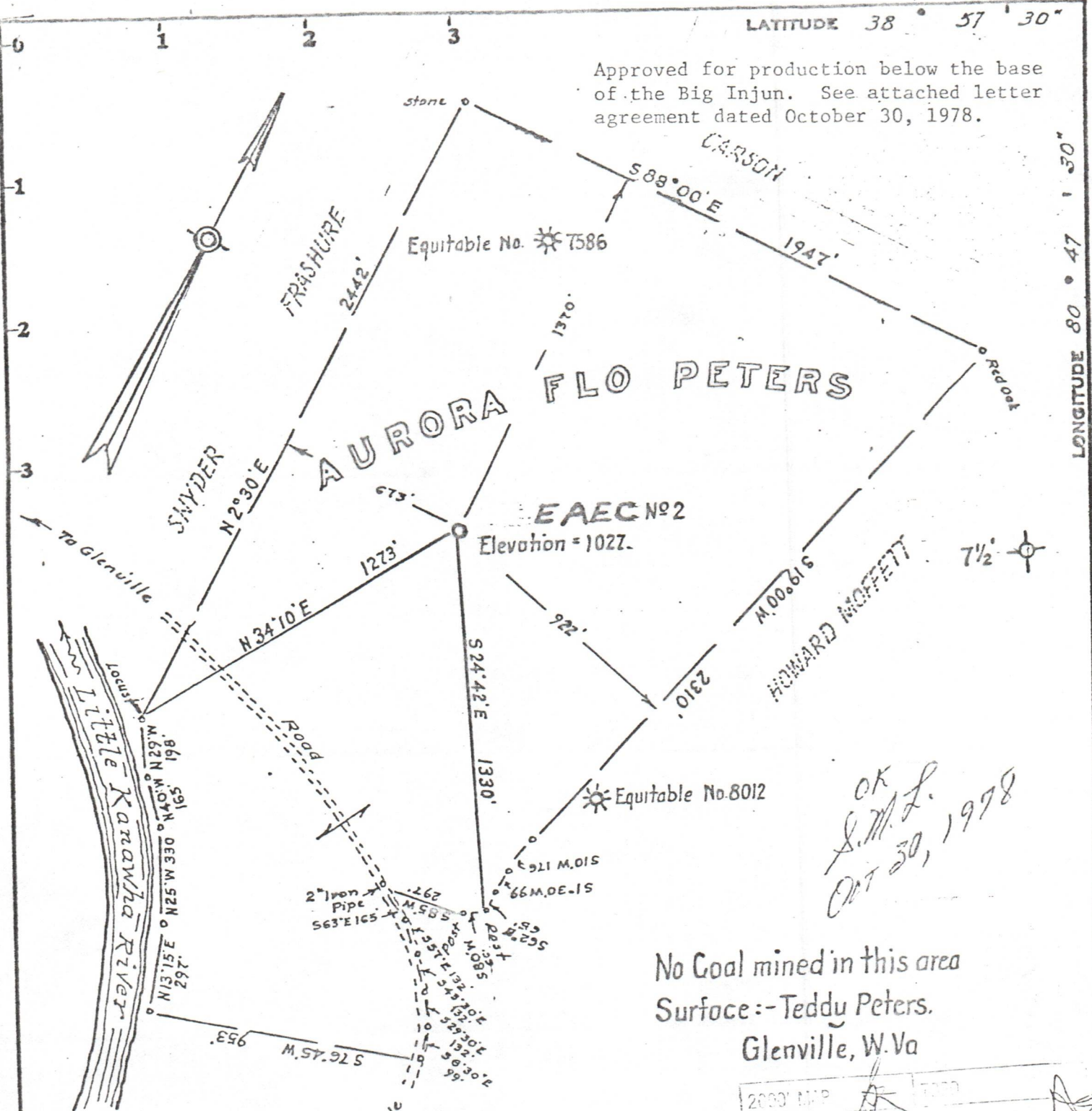


455702

LATITUDE 38° 57' 30"

Approved for production below the base of the Big Injun. See attached letter agreement dated October 30, 1978.

LONGITUDE 80° 47' 30"



OK  
S.M.L.  
OCT 30, 1978

No Coal mined in this area  
Surface:- Teddy Peters.  
Glenville, W.Va

2000' M.P.	BOOK
MAP REF.	

G/P 6645-B

Minimum Error of Closure 1 in 700'  
Source of Elevation USGS B.M. opposite mouth of Bear Run - 733'

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 rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]  
Squares: N S E W

Fracture   
 New Location   
 Drill Deeper   
 Abandonment

Map No.

Company EASTERN AMERICAN ENERGY CORP  
Pacific States Gas and Oil Co  
 Address Postoffice Box 67, Glenville, W.Va  
 Farm Aurora Flo Peters  
 Tract \_\_\_\_\_ Acres 103.5 Lease No. 21409  
 Well (Farm) No. P.S. No 2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1027  
 Quadrangle Glenville 7 1/2 - Glenville 15 NE  
 County Gilmer District Glenville  
 Engineer [Signature]  
 Engineer's Registration No. 1227 LLS 200  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date October 12, 1978 Scale 1" = 500'

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

### WELL LOCATION MAP

FILE NO. 021-0216/2024

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

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