



RECEIVED

MAY 31 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

PK

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

DATE May 31, 1977

Surface Owner Glenville State College

Company Pacific States Gas & Oil, Inc.

Address Glenville, W.V. 26351

Address P.O. Box 67, Glenville, W.V. 26351

Mineral Owner B.S. Messenger

Farm B.S. Messenger Acres 100

Address Baldwin, W.V.

Location (waters) Stewarts Creek

Coal Owner B.S. Messenger or his assigns

Well No. One Elevation 992

Address Baldwin, W.V.

District Glenville County Gilmer

Coal Operator NONE

Quadrangle Glenville 7 1/2

Address _____

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 10-1-77.

INSPECTOR

TO BE NOTIFIED Paul Goodknight

ADDRESS Smithville, WV 26178

PHONE 477-2455

Robert Good
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 15 1938 by B.S. Messenger made to Pitts. & W.V. Gas Co. and recorded on the 4 day of May 1938 in Gilmer County, Book 138 Page 88

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)

Paul Goodknight
Well Operator

P.O. Box 67

Street

Glenville

City or Town

West Virginia

State

02/16/2024

*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.

BLANKET BOND

GIL-2829

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

Paul Goodknight

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S.W. Jack Drilling NAME John Mork
 ADDRESS Buckhannon, W.V. 26201 ADDRESS P.O. Box 67, Glenville, W.V. 26351
 TELEPHONE 472-2161 TELEPHONE 462-8118
 ESTIMATED DEPTH OF COMPLETED WELL: 4800 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION Benson Sand
 TYPE OF WELL: OIL _____ GAS XX 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	500	500	Surface 200 sks
7			
5 1/2			
4 1/2	4800	4800	200 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 100 ft.
 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 02/16/2024 on, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

CSRS-JID

ISO-CP

For Coal Company

Official Title



RECEIVED
OCT 21 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Glenville 7½

Permit No. Gil 2829

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Pacific States Gas & Oil, Inc.
Address PO Box 67, Glenville, WV 26351
Farm B.S. Messenger Acres 100
Location (waters) Stewart's Creek
Well No. PS 1 Elev. 992
District Glenville County Gilmer
The surface of tract is owned in fee by _____
Glenville State College
Address Glenville, WV
Mineral rights are owned by B.S. Messenger
Address Baldwin, WV
Drilling Commenced 6/13/77
Drilling Completed 6/18/77
Initial open flow N/A cu. ft. _____ bbls.
Final production 2,490 M cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	380	380	Surface
7			
5 1/2			
4 1/2	4555	4555	250 sks R.F.C. 50 sks neat
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perf. w/ 3½ Glass Jets 4556 to 60 (6) & 4466 to 64 (4)

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	110		
Sand & Shale			110	380		
Sand & Shale			380	439		
Sand & Shale			439	810		
Salt Sand & Shale			810	1290		
2nd Salt Sand			1290	1408		
Shale			1408	1450		
3rd Salt Sand			1450	1476		
Shale			1476	1588		
Shale			1588	1600		
Little Lime			1600	1620		
Pencil Cave			1620	1676		
Big Lime			1676	1722		
Keener			1722	1790		
Injun			1790	1840		
Shale			1840	1966		
Weir			1966	2148		
Shale			2148	2156		
Gordon			2156	2534		
Sandy-Shales			2534	2540		
5th Sand			2540	2576		
Bayard			2576	2594		
Shales			2594	2930		
Elizabeth			2930	3020		

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(over)

* Indicates Electric Log tops in the remarks section.

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APR 7 1977

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sandy-Shales			3020	3654		
Balltown			3654	3750		
Shales			3750	4012		
Lower Mill			4012	4066		
Sandy Shales			4066	4368		
Sand			4368	4380		
Shale			4380	4452		
Benker			4452	4472		
Shales			4472	4537		

02/16/2024

Date September 12, 1977

APPROVED

John Mark

By Executive Vice President



RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

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

APR 1 1986

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 29, 1984

COMPANY Pacific States Gas & Oil, Inc.

PERMIT NO 021-2829 (6-1-77)

P. O. Box 67

FARM & WELL NO B. S. Messenger #1

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 Strenght	_____	_____
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 Graig 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. ...
Oil & Gas Division

April 2, 1986

DATE

02/16/2024

DEPARTMENT OF ENERGY
OIL AND GAS

APR 1 1988

[Handwritten signature]

02/16/2024

REC-121
FEB 28 1979
OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number:
(If not available, leave blank. 14 digits.)

1047-021-2829

2.0 Type of determination being sought:
(Use the codes found on the front of this form.)

107
Section of NGPA

3.0 Depth of the deepest completion location:
(Only needed if sections 103 or 107 in 2.0 above.)

4587 feet

4.0 Name, address and code number of applicant:
(35 letters per line maximum. If code number not available, leave blank.)

Pacific States Gas & Oil, Inc.
Name
P.O. Box 67
Street
Glenville, W.Va. 26351
City State Zip Code

14555
Seller Code

5.0 Location of this well: [Complete (a) or (b).]
(a) For onshore wells
(35 letters maximum for field name.)

Glenville
Field Name
Gilmer W.VA.
County State

(b) For OCS wells:

Date of Lease:
Mo. Day Yr.

Area Name Block Number
OCS Lease Number

(c) Name and identification number of this well: (35 letters and digits maximum.)

B.S. MESSENGER #1

(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)

6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)

Equitable Gas Company #5939
Name Buyer Code

(b) Date of the contract:

10, 1, 7, 7, 5
Mo. Day Yr.

(c) Estimated annual production:

45.0 MMcf.

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	1.510	0.187	---	1.697
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.116	0.261	---	2.377

9.0 Person responsible for this application:

James C. Recht Designated Agent
Name Title

Signature

2/22/79
Date Application is Completed

(304) 462-8118
Phone Number

Agency Use Only
Date Received by Juris. Agency
FEB 28 1979
Date Received by FERC

02/16/2024

PARTICIPANTS:

DATE: OCT 24 1979

BUYER-SELLER CODE

WELL OPERATOR: Pacific States GAS & OIL, INC.

14358

FIRST PURCHASER: Equitable GAS COMPANY

5939

OTHER: _____

Delayed for definition of Devonian shale

Plot & Seal

Qualifier per Cause & order 1 J. E. Haggerty

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790228 - 107-021 - 2829
 Use Above File Number on all Communications
 Relating to Determination of this Well

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 614666
- 7 IV-39- Annual Production _____ years
- 8 IV-40- 90 day Production _____ Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - (55) - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs Geological Charts _____ Structure Map _____
 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date COMMENCED: 6-18-77 FRAC'D: 6-18-77 Deepened _____
- (5) Production Depth: 3010-4556
- (5) Production Formation: Devonian shale
- (5) FINAL OPEN FLOW: NA
- (5) FINAL ROCK PRESSURE: NA
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report
- (5) Oil Production: NO From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: NO
- (10-17) Is affidavit signed? Notarized?

02/16/2024

Does official well record with the Department confirm the submitted information? YES

Additional Information _____ Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? MK

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

Operator's Well No. MESSENGER #1
PACIFIC STATES
API Well No. 47 - 021 - 2829
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL

NGPA Section 107

WELL OPERATOR Pacific States Gas & Oil, Inc.
ADDRESS P.O. Box 67
Glenville, W.VA. 26351
GAS PURCHASER Equitable Gas Company
ADDRESS 420 Boulevard of the Allies
Pittsburgh, Pa. 15219

DESIGNATED AGENT James C. Recht
ADDRESS P.O. Box 67
Glenville, West Virginia 26351
LOCATION: Elevation 992
Watershed Jakes Run
Dist. Glenville County Gilmer Quad Glenville
Gas Purchase Contract No. 6645-B
Meter Chart Code 2-43-25-215799-1
Date of Contract 10/17/75

* * * * *

Date surface drilling began: 6/13/77

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

The bottom hole pressure of this well is 1448 psig and was measured with a down hole pressure bomb.

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

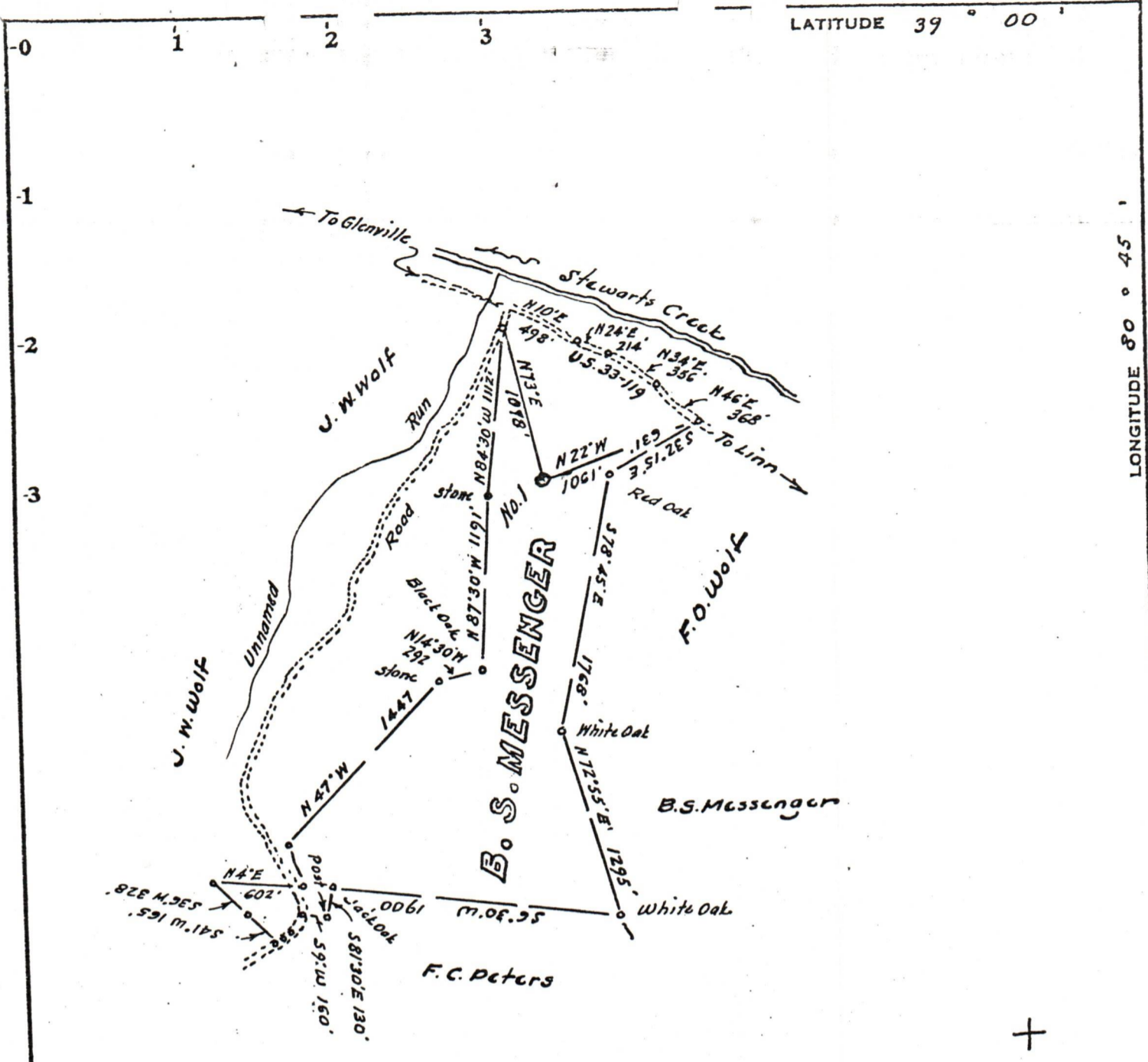
STATE OF WEST VIRGINIA,
COUNTY OF Gilmer, TO WIT:

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 22 day of February, 1979.
My term of office expires on the 15 day of January, 1989.

[NOTARIAL SEAL]

James C. Recht
Notary Public



Surface:- Glenville State College
 Coal:- Well location on old strip below coal.

Minimum Error of Closure 1 in 200'
 Source of Elevation USGS B.M. on road 4500' down Stewart's Creek: 777

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: [Signature]
 Squares: N S E W

Map No. _____

Company PACIFIC STATES GAS & OIL
 Address Glenville, West Va.
 Farm B.S. Messenger
 Tract _____ Acres 100 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 992
 Quadrangle Glenville
 County Gilmer District Glenville
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date May 25, 1977 Scale 1"=1000'

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

WELL LOCATION MAP

FILE NO. 47-021-2829 02/16/2024

+ 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.