



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
APR 20 1978

OIL & GAS DIVISION
DEPT. OF MINES

PK

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

DATE April 18, 1978
Company Pacific States Gas & Oil, Inc.
Address P.O. Box 67, Glenville, WV
Farm G.R. Lynch Acres 100
Location (waters) Gluck Run
Well No. P.S. #1 Elevation 1079
District Glenville County Gilmer
Quadrangle Glenville

Surface Owner W.W. Woodward et al
Address Glenville, WV
Mineral Owner G.R. Lynch et al
Address Glenville, WV
Coal Owner G.R. Lynch et al
Address Glenville, WV
Coal Operator None
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 8-24-78.

INSPECTOR
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV

PHONE 477-3660

[Signature]
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 March 6 1919 by George R. Lynch made to Pitts. & WV Gas Co. and recorded on the 31 day of March 1919, in Gilmer County, Book 90 Page 385

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) *[Signature]*
Well Operator

Post Office Box 67
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 (10) 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-3017 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."

Signed by *[Signature]*

47-021

02/10/2024

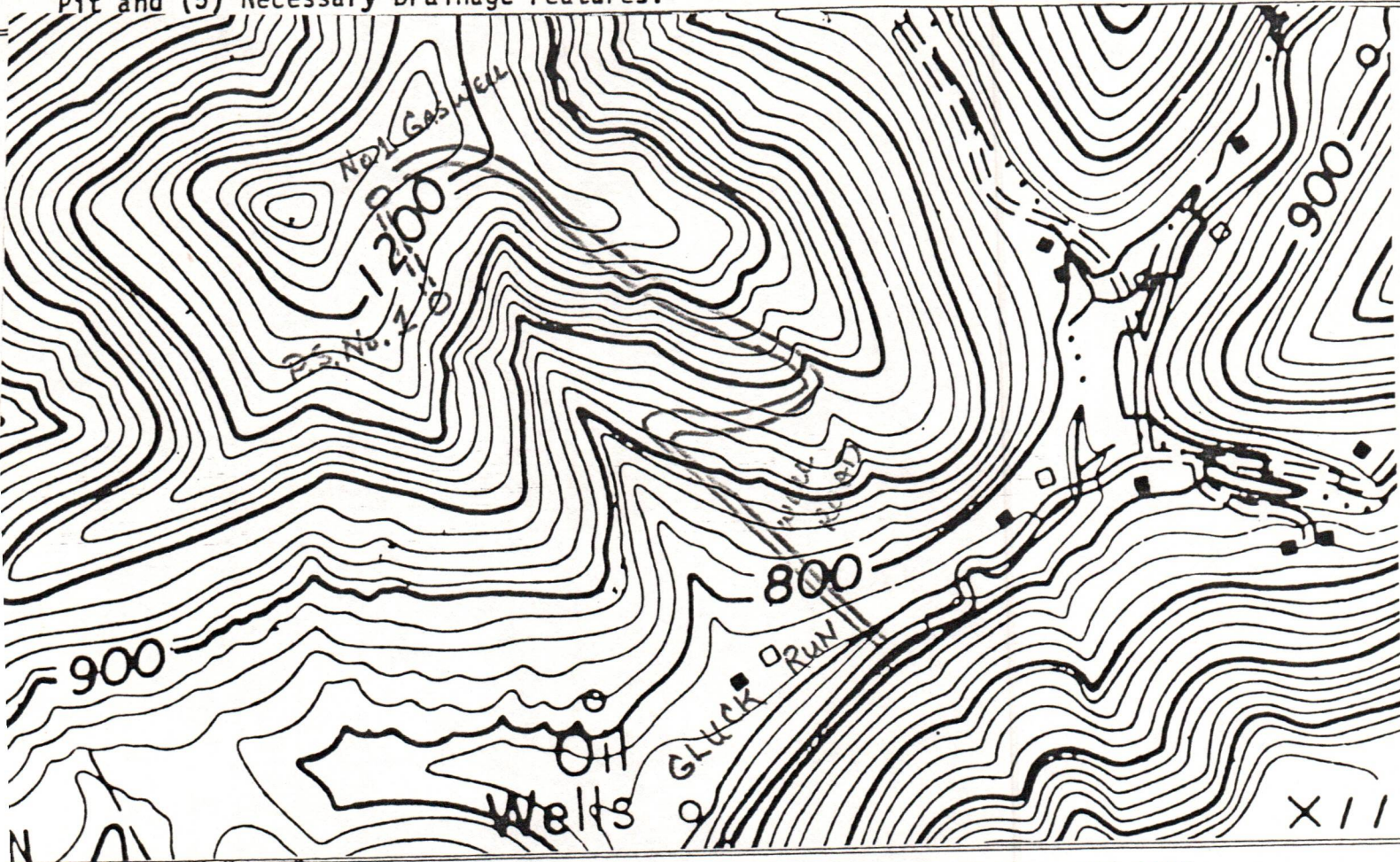
RECLAMATION PLAN

WELL NO. G.R. Lynch #1

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.

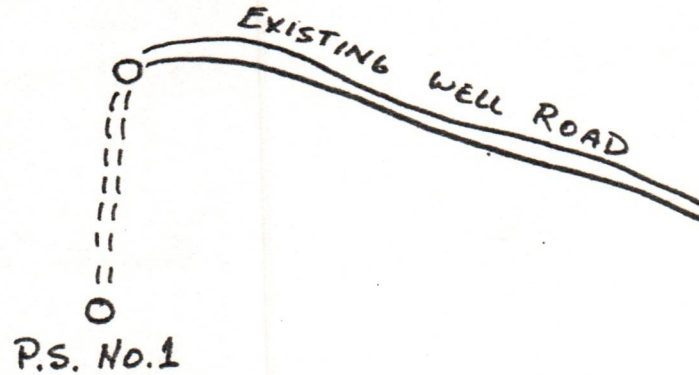


COMPANY NAME Pacific States Gas & Oil, Inc, PERMIT NO. GIL-3017
 FARM G.R. Lynch DISTRICT Glenville COUNTY Gilmer

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 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.

02/16/2024

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

"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 Executive Vice President Date 4/18/78



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Glenville 7½

Permit No. GIL-3017

Company Pacific States Gas & Oil, Inc.
Address P.O. Box 67, Glenville, WV
Farm G.R. Lynch Acres 100
Location (waters) Gluck Run
Well No. P.S. #1 Elev. 1079
District Glenville County Gilmer
The surface of tract is owned in fee by _____
W.W. Woodyard
Address Glenville, WV
Mineral rights are owned by G.R. Lynch et al
Address Gilmer Co., WV
Drilling Commenced 5/27/78
Drilling Completed 6/2/78
Initial open flow N/A cu. ft. _____ bbls.
Final production 2100 M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 1830 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	432	432	Surface
7			
5 1/2			
4 1/2	5195	5195	175 sks Class "A"
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perf: 6 - .49" Diameter holes at 5141, 5134, 5130, 5051, 5025, 4965
6 - .39" diameter holes from 4694-4696

Frac: 1st stage - 525 bbl H2O 350 lb WG-12 Water Gel, 20 gal Clay stabilizers 18 gal Iron Sequestor 20,000 lbs 80/100 sand 40,000 lbs 20/40 sand
2nd stage - 520 BBL Water, 450 lbs Gel, 22 gal clay stabilizer, 20 gal Iron Sequestor, 20,000 lbs. 80/100 sand and 52,000 lbs. 20/40 sand

Coal was encountered at _____ Feet _____ Inches

Fresh water _____ 220 ft. _____ Feet _____ Salt Water _____ Feet _____

Producing Sand Devonian Shale: Benson 4684-4710 Depth Elk 4962-5144

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		
Sand			5	10		
Sand & Shale			10	232		
Sand & Red Rock			232	511		
Sand & Shale			511	742		
Sand			742	790		
Sand & Shale			790	940		
Sand			940	1026		
Sand & Shale			1026	1812		Top of Log E @ 1750 ft.
Little Lime			1812	1840		
Blue Monday			1840	1848		
Pencil Cave			1848	1848		
Big Lime			1848	1903		
Keener			1903	1950		
Big Injun			1950	2014		
Shale			2014	2086		
Weir			2086	2223		
Shale			2223	4684		
Benson			4684	4710		
Shale			4710	4962		
Elk			4962	5144		
Shale			5144	5225		
TD			5225			

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(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

02/16/2024

Date November 7, 1978

APPROVED *John Mah* Owner

By Executive Vice President
(Title)

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

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JUN - 5 1978

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 611-3017

Oil or Gas Well
(KIND)

Company Pacific States Gas & Oil Corp
 Address _____
 Farm G. R. Lynch
 Well No. P.S. # 1
 District Glennville County Calmer
 Drilling commenced 5-27-78
 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 325 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 <u>8 5/8</u>		<u>402</u>	
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 8 5/8 SIZE 402 No. FT. _____ Date _____
Cem to Surface 125 SKS
 NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Johnson T.P

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

Doly - 4150'

5-31-78
DATE

Woodruff 02/16/2024
DISTRICT WELL INSPECTOR



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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
March 7, 1984

COMPANY Pacific States Gas & Oil, Inc.

PERMIT NO 021-3017 (4-24-78)

P. O. Box 67

FARM & WELL NO G. R. Lynch #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 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. ...
-Oil & Gas Division

April 2, 1986
DATE

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FEB 28 1979

1.0 API well number: (If not available, leave blank. 14 digits.)	047-021-3017			
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.)	5225 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 AND OIL, INC		14358	
	Name		Seller Code	
	P. O. Box 67			
	Street			
	Glenville,	W. Va	26351	
	City	State	Zip 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		Va	
	County		State	
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:			
	Mo. Day Yr.		OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	_____			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	G.R. LYNCH #1			
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:	1 0 1 7 7 5			
	Mo. Day Yr.			
(c) Estimated annual production:	35.8 MMcf.			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
	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			
Agency Use Only	Name		Designated Agent	
Date Received by Juris. Agency	<i>James C. Recht</i>		Title	
Date Received by FERC	Signature			
	2/22/79		304 462-8118	
	Date Application is Completed		Phone Number	

FT790806-22

02/16/2024

PARTICIPANTS:

DATE: OCT 24 1979

BUYER-SELLER CODE

WELL OPERATOR: PACIFIC STATES GAS AND OIL, INC

014358

FIRST PURCHASER: EQUITABLE GAS COMPANY

005939

OTHER:

Deferred for definition of Devonian shale

Part 8 rule

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

790228-107-021-3017

Use Above File Number on all Communications
Relating to Determination of this Well

*Qualifies per clause 8
order 1 J. H. Huggins*

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 491666
- 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) - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs Geological Charts _____ Structure Map _____
1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date COMMENCED: 5-27-78 FRAC'D: 6-2-78 DRILL DATE Deepened _____
- (5) Production Depth: 4684-4710 ; 4962-5144
- (5) Production Formation: DEVONIAN SHALE; BENJON & ELK
- (5) FINAL OPEN FLOW: 2100 MCF
- (5) FINAL ROCK PRESSURE: 1830 - 4 hrs
- (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: not indicated
- (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? _____

JPH

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

Date February 10, 1979
Operator's Well No. PACIFIC STATES G.R. LYNCH #1
API Well No. 47 - 021 - 3017
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL
NGPA Section 107

DESIGNATED AGENT James C. Recht
ADDRESS P.O. Box 67
Glenville, West Virginia 26351
WELL OPERATOR Pacific States Gas & Oil, Inc LOCATION: Elevation 1079
ADDRESS P.O. Box 67 Watershed Gluck Run
Glenville, W.VA. 26351 Dist. Glenville County Gilmer Quad. Glenville
GAS PURCHASER Equitable Gas Company Gas Purchase Contract No. 6645-B
ADDRESS 420 Boulevard of the Allies Meter Chart Code 2-43-25-221899-1
Pittsburgh, Pa. 15219 Date of Contract _____

* * * * *

Date surface drilling began: 5/27/78

Indicate the bottom hole pressure of the well and explain how this was calculated.
The bottom hole pressure of this well is 2049 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, 19 79, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 22 day of February, 19 79.
My term of office expires on the 15 day of January, 19 89.

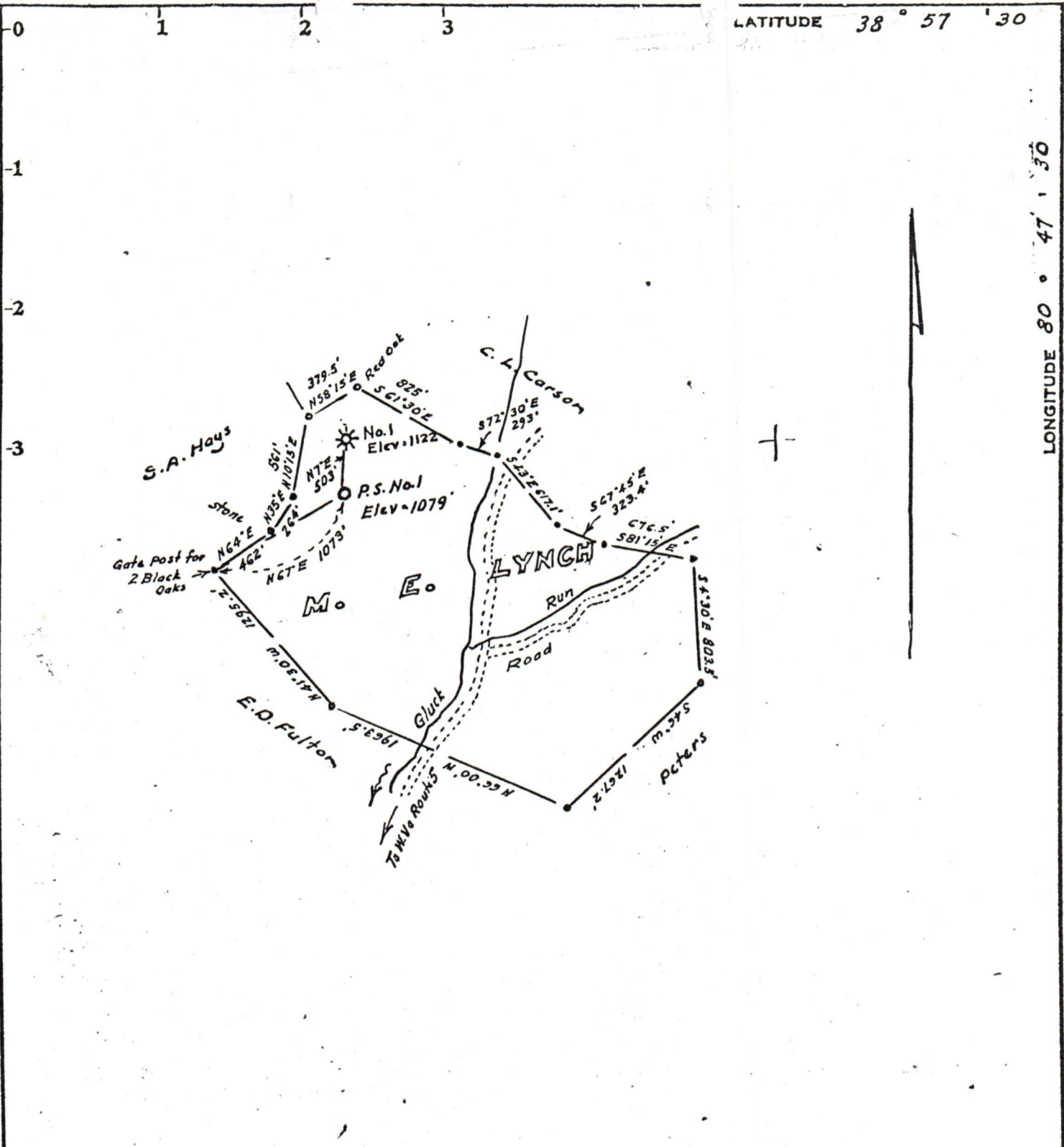
James C. Recht
Notary Public

[NOTARIAL SEAL]

02/16/2024

LATITUDE 38° 57' 30"

LONGITUDE 80° 47' 30"



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No. 1 = 1122

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: *W. H. Street*

Squares: N S E W

Map No. _____

Company PACIFIC STATES GAS & OIL

Address P.O. Box 67, Glenville, West Va.

Farm M. E. Lynch

Tract _____ Acres 100 Lease No. _____

Well (Farm) No. P.S. No. 1 Serial No. _____

Elevation (Spirit Level) 1079

Quadrangle Glenville 7 1/2

County Gilmer District Glenville

Engineer *W. H. Street*

Engineer's Registration No. 1227 LLS 200

File No. _____ Drawing No. _____

Date April 14, 1978 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. 47-021-3017 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.