



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED  
APR - 3 1978  
OIL & GAS DIVISION  
DEPT. OF MINES

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

*RG*

Surface Owner Russell and Bess Bush  
Address Baldwin, WV 26326  
Mineral Owner Luvilla Radcliff  
Address Gilmer County  
Coal Owner Eastman Associated Coal  
Address Pittsburgh, PA  
Coal Operator None  
Address \_\_\_\_\_

DATE March 30, 1978  
Company Pacific States Gas & Oil, Inc.  
Address P.O. Box 67, Glenville, WV 26351  
Farm Luvilla Radcliff Acres 112.94  
Location (waters) Stewarts Creek  
Well No. PS No. 1 Elevation 1017  
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 8-4-78

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

*Robert H. ...*  
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 August 18, 1905 by Luvilla Radcliff made to J. M. Basaw and recorded on the 15th day of January 1912, in Gilmer County, Book 73 Page 36  
X 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) *John ...*  
Well Operator  
Post Office Box 67  
Street  
Glenville  
City or Town  
West Virginia 26351  
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.

GIL-2998 PERMIT NUMBER

47-021

"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 *John ...*

**BLANKET BOND**

**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 \_\_\_\_\_ NAME John Mork \_\_\_\_\_  
 ADDRESS Buckhannon, WV 26201 \_\_\_\_\_ ADDRESS Post Office Box 67, Glenville, WV 26351 \_\_\_\_\_  
 TELEPHONE 472-2161 \_\_\_\_\_ TELEPHONE 462-8118 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 5000 \_\_\_\_\_ ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Elk \_\_\_\_\_  
 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	400	400	Surface
7			
5 1/2			
4 1/2	5000	5000	250 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET \_\_\_\_\_ SALT WATER 500 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS Unknown \_\_\_\_\_  
 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

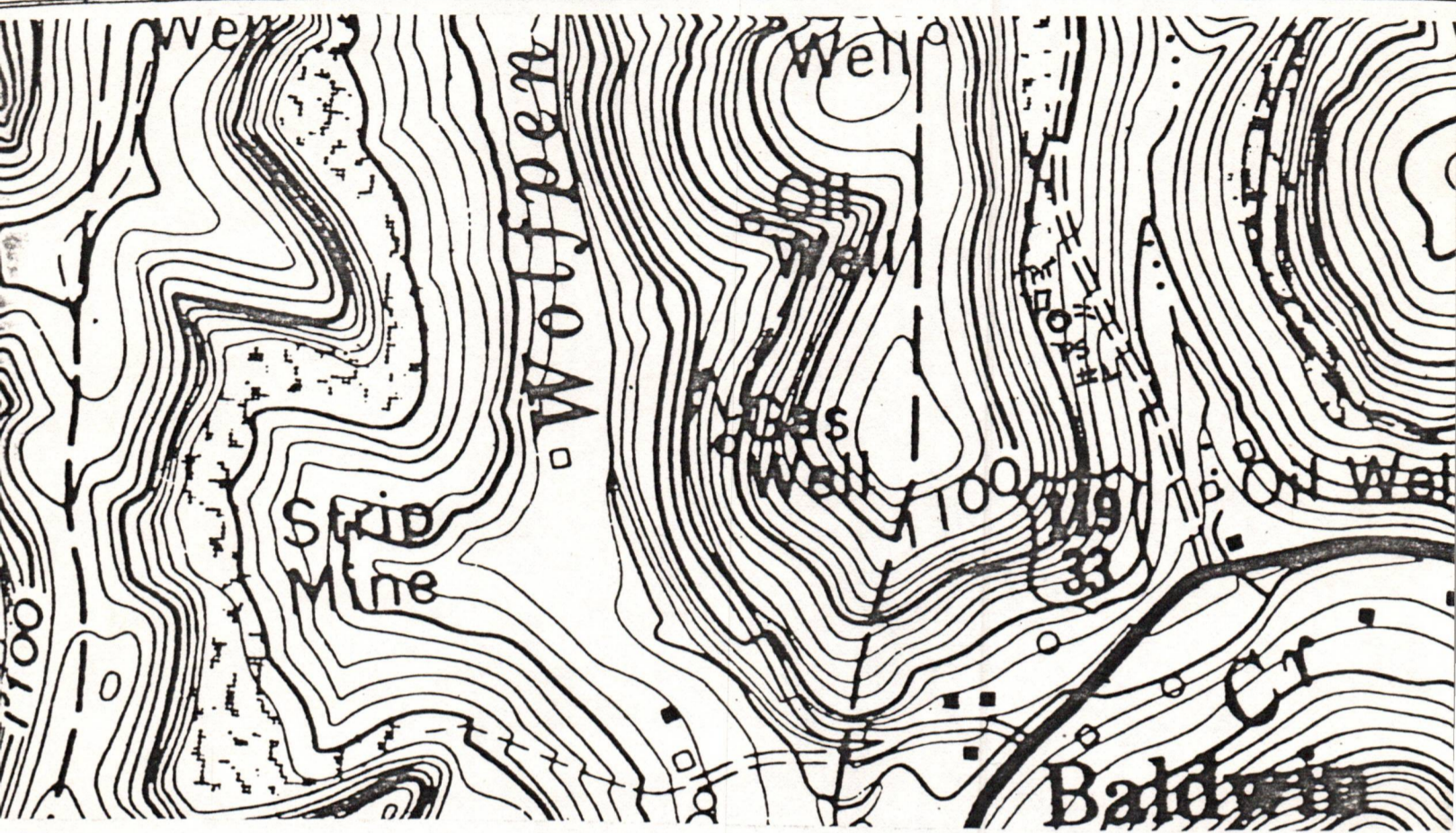
RECLAMATION PLAN

WELL NO. Luvilla Radcliff #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.

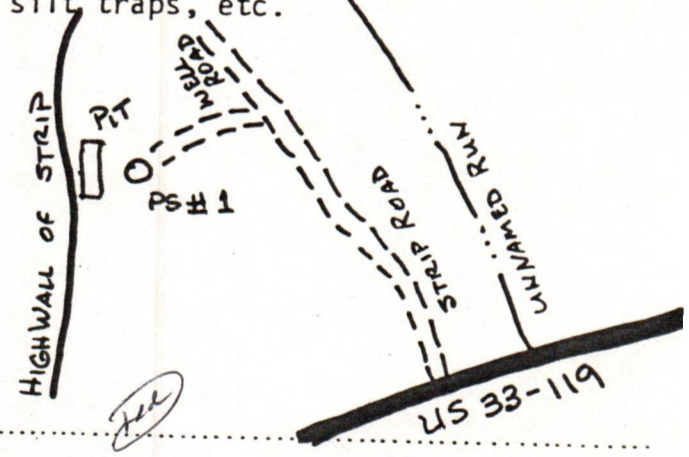


COMPANY NAME Pacific States Gas & Oil, Inc. PERMIT NO. Gil-2998  
 FARM Luvilla Radcliff DISTRICT Glenville COUNTY Gilmer

STATEMENT OF RECLAMATION PLAN:

Well location and access roadbanks to be hydro-seeded. Pits to be filled and graded as nearly as possible to original contour.

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



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: John Mork *[Signature]* Title Executive Vice President Date March 30, 1978

*file*

RECEIVED  
OIL & GAS DIVISION  
DET. I. C. MINES  
APR - 3 1978

02/16/2024

WEST VIRGINIA DEPARTMENT OF MINES  
CHARLESTON, WEST VIRGINIA  
INTER-OFFICE MEMORANDUM

RECEIVED

OCT 10 1978

TO: Robert Dodd

DATE: 10-6-78 OIL & GAS DIVISION  
DEPT. OF MINES

FROM: K. Paul Goodnight 505 SUBJECT: Pacific States - J.J. Massey - Bonnett Gilc

Bob this is the Complaint that I discussed with you in may of this year. Harold Bennett is concerned, the Cause of his problem is Pacific States well C.1-2998 on the Radcliff Farm, 1380' From the Bonnett Fresh water Supply. The Problem Started in may of this year, AFTER Pacific States Fractured the radcliff well.

The Radcliff well has 374'  $8\frac{3}{4}$ " Csg. Lam with 125 SXS Lam by Holliburton, Fresh water in this well is 20'  $\pm$  40' Salt water 465' the well was drilled by S.W. JACK INC.

I find J.J. Massey drilled a well 500' From Bonnett Fresh water Supply Sometime in 1953. Gas is present between the 10 $\frac{3}{4}$ " Csg. The 7" Csg which is open.

Please find enclosed a violation For the J. J. Massey well.

R. P. Goodnight 505-



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED  
NOV 16 1978  
OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Glenville  
Permit No. Gilmer 2998

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

Company Pacific States Gas & Oil, Inc.  
Address Box 67 Glenville, W.Va. 26351  
Farm Luvilla Radcliff Acres 112.94  
Location (waters) Stewart's Creek  
Well No. P.S. #1 Elev. 1017  
District Glenville County Gilmer  
The surface of tract is owned in fee by Russell & Bess Bush  
Address Baldwin, W.Va. 26326  
Mineral rights are owned by Luvilla Radcliff  
Address Gilmer County  
Drilling Commenced 4-15-78  
Drilling Completed 4-21-78  
Initial open flow N/A cu. ft. - bbls.  
Final production 150 M cu. ft. per day - bbls.  
Well open 4 hrs. before test 1800 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	376	376	Surface
7			
5 1/2			
4 1/2	4885	4885	250 SKS Class "A"
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
Perf: w/a-.49" Diameter Holes at 4777', 4778', 4779', 4795', 4796', 4813', 4814', 4815', 4816'  
Frac: w/ 580 BBl H<sub>2</sub>O Laden with 20,000 lbs. 80/100 sand, 40,000 lbs. 20/40 sand, 400 lbs. WG-12 Water Gel Agent, 30 Gal. 15-N, 50,000 SCF N<sub>2</sub>.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 80' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Devonian Shale (Elk & Benson) Depth 4710-4875

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	5		
Sand			5	80		
Shale/Red Rock/Sand			80	180		
Sand			180	200		
Sand/Shale			200	240		
Sand			240	275		
Shale			275	300		
Sand			300	385		
Sand/Shale			385	615		
Sand			615	700		
Shale			700	1536		
Little Lime			1536	1557		
Pencil Cave			1557	1579		E Log Top
Big Lime			1579	1644		
Big Injun			1644	1740		
Shale			1740	1801		
Weir			1801	1926		
Shale			1926	4442		
Benson			4442	4460		
Shale			4460	4723		
Elk			4723	4838		
Shale			4838	4942		
TD			4942			

02/16/2024

(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 13 19 78

APPROVED [Signature] Owner

By Executive Vice President  
(Title)





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

RECEIVED

APR 21 1978

INSPECTOR'S WELL REPORT

Permit No. 611-2998

OIL & GAS DIVISION  
DEPT. OF MINES  
Oil or Gas Well  
(KIND)

Company <u>Pacific States Gas &amp; Oil Inc</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Luilla Radcliff</u>	16			Kind of Packer _____
Well No. <u>P. 5 1</u>	13			
District <u>Coleridge</u> County <u>Colmer</u>	10			Size of _____
Drilling commenced <u>4-15-78</u>	8 1/4 <u>8 5/8</u>		<u>374</u>	
Drilling completed _____ Total depth _____	6 3/4			Depth set _____
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 5/8</u> SIZE <u>374</u> No. FT. _____ Date _____			
Fresh water <u>20</u> feet <u>40</u> feet	NAME OF SERVICE COMPANY <u>Hulliburton</u>			
Salt water <u>465</u> feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Johnson - T. P

Remarks: Leak - S. W. Jack Inc. Rotary - Air

Dog - 3150

4-15-78  
DATE

W. Goodright 505  
DISTRICT WELL INSPECTOR

02/16/2024

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

RECEIVED

APR 25 1978

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 611-2998

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

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Pacific States Gas &amp; Oil Inc</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Luilla Radcliff</u>	18			
Well No. <u>P. S 1</u>	10			Size of _____
District <u>Glennville</u> County <u>Calhoun</u>	8 1/4 <u>8 3/8</u>		<u>377</u>	Depth set _____
Drilling commenced <u>4-15-78</u>	6 1/2			
Drilling completed <u>4-21-78</u> Total depth <u>4950</u>	5 3/16			Perf. top _____
Date shot _____ Depth of shot _____	3			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. bottom _____
Volume _____ Cu. Ft.	CASING CEMENTED <u>8 3/8</u> SIZE <u>377</u> No. FT. _____ Date _____			
Rock pressure _____ lbs. _____ hrs.	<u>from to Surface</u> <u>125 SIKS</u>			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Fresh water <u>20-40</u> feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water <u>465</u> feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Johnson - T.P

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

Remarks:

*Logging - Allegheny Nuclear Surveys*

4-21-78

DATE

W. B. Wright 505

DISTRICT NO. INSPECTOR

02/16/2024





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  
March 6, 1984

COMPANY Pacific States Gas & Oil, Inc.

PERMIT NO 021-2998 (4-4-78)

P. O. Box 67

FARM & WELL NO Luvilla Radcliff - P.S. #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. L. ...  
Oil & Gas Division

April 2, 1986

DATE

047-021-2998

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

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

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.)

4942

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. 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  
County W.VA.  
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.)

L. RADCLIFF #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:

1 0 1 7 7 5  
Mo. Day Yr.

(c) Estimated annual production:

23.0 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 (a) + (b) + (c)
1.510	0.187	---	1.697
2.116	0.261	---	2.377

8.0 Maximum lawful rate:  
(As of filing date. Complete to 3 decimal places.)

9.0 Person responsible for this application:

James C. Recht Designated Agent  
Name Title

*James C. Recht*  
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

WELL DETERMINATION REPORT

PARTICIPANTS:

DATE: OCT 24 1979

BUYER-SELLER CODE

WELL OPERATOR: Pacific States GAS & OIL, INC

14358

FIRST PURCHASER: Equitable GAS COMPANY

5939

OTHER:

Defense for definition of Dominion state  
Part 2 (total)

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
790228 - 107 021 - 2998  
Use Above File Number on all Communications  
Relating to Determination of this Well

Qualified Per Cause 8  
order J. G. 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 \_\_\_\_\_
- 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 ~~Completed~~ COMMENCED: 4-15-78 FRAC'D: 4-21-78 Deepened \_\_\_\_\_
- (5) Production Depth: 4710 - 4875
- (5) Production Formation: EIK, shale
- (5) FINAL OPEN FLOW: 150 mcfD
- (5) FINAL ROCK PRESSURE: 1800 +/-
- (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 \_\_\_\_\_ 02/16/2024
- (10-17) Does lease inventory indicate enhanced recovery being done: NO
- (10-17) Is affidavit signed?  Notarized?

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

Date February 10, 1979

Operator's Well No. PACIFIC STATES  
RADCLIFF #1  
API Well No. 47 - 021 - 2998  
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  
Glennville, 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  
Glennville, West Virginia 26351

LOCATION: Elevation / 1017  
Watershed Stewarts Creek  
Dist. Glennville County Gilmer Quad Glennville

Gas Purchase Contract No. 6645-B  
Meter Chart Code 2-43-25-220999-1  
Date of Contract 10/17/75

\* \* \* \* \*

Date surface drilling began: 4/15/78

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

The bottom hole of this well is 2180 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.

James C. Recht  
Notary Public

[NOTARIAL SEAL]

02/16/2024

FERC-121

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p style="font-size: 1.2em;">47-021-2998</p>				
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p style="font-size: 1.2em;">108</p>	<p>Section of NGPA <span style="margin-left: 100px;">Category Code</span></p>			
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p style="font-size: 1.2em;">4942</p> <p style="text-align: right;">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>Pacific States Gas &amp; Oil, Inc.</p>		<p style="font-size: 1.2em;">14358</p>		
	<p>Name P. O. Box 67</p>		<p>Seller Code</p>		
	<p>Street Glenville</p>		<p>WV</p>	<p style="font-size: 1.2em;">26351</p>	
	<p>City</p>		<p>State</p>	<p>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 style="font-size: 1.2em;">Glenville</p>				
	<p>Field Name Gilmer</p>		<p>WV</p>		
	<p>County</p>		<p>State</p>		
<p>(b) For OCS wells:</p>	<p>Area Name <span style="float: right;">Block Number</span></p> <p style="text-align: center;">Date of Lease:</p> <p style="text-align: center;"> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 2px;"></span> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 2px;"></span> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 2px;"></span> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 2px;"></span> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px; margin-right: 2px;"></span> <span style="border-bottom: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> </p> <p style="text-align: center;">Mo. Day Yr. <span style="float: right;">OCS Lease Number</span></p>				
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>	<p style="font-size: 1.2em;">L. Radcliff #1</p>				
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</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</p>		<p style="font-size: 1.2em;">5939</p>		
	<p>Name</p>		<p>Buyer Code</p>		
<p>(b) Date of the contract:</p>	<p style="font-size: 1.2em;">10 17 1982</p> <p style="text-align: center;">Mo. Day Yr.</p>				
<p>(c) Estimated annual production:</p>	<p style="font-size: 1.2em;">23.00</p> <p style="text-align: right;">MMcf.</p>				
		<p>(a) Base Price (\$/MMBTU)</p>	<p>(b) Tax</p>	<p>(c) All Other Prices [Indicate (+) or (-).]</p>	<p>(d) Total of (a), (b) and (c)</p>
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>		<p style="font-size: 1.2em;">2.543</p>	<p>---</p>	<p>---</p>	<p>---</p>
<p>8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</p>		<p style="font-size: 1.2em;">3.335</p>	<p>---</p>	<p>---</p>	<p>---</p>
<p>9.0 Person responsible for this application:</p>	<p style="font-size: 1.2em;">Donald C. Supcoe</p>				
<p>Agency Use Only</p> <p>Date Received by Juris. Agency</p> <p style="font-size: 1.5em; font-weight: bold;">MAY 17 1982</p> <p>Date Received by FERC</p>	<p>Name Donald C. Supcoe</p>		<p>Title Designated Agent</p>		
	<p>Signature <i>Donald C. Supcoe</i></p>				
	<p>Date Application is Completed 5/11/82</p>		<p>462-5781 Phone Number</p>		

02/16/2024



PARTICIPANTS:

DATE: NOV 11 1982

BUYER-SELLER CODE

WELL OPERATOR: Pacific States Gas Oil, Inc.

14358

FIRST PURCHASER: Equitable Gas Co.

005939

OTHER: \_\_\_\_\_

**QUALIFIED**

W. Va. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER

820517-102-021-2998

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. 7,0 + 8,0 b,c,d
- 2. IV-1 Agent  Donald C. Supcoe
- 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 1 years
- 8. IV-40 90 day Production 92 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: 4-15-78 Date completed 4-21-78 Deepened \_\_\_\_\_
- (5) Production Depth: 4710-4875
- (5) Production Formation: Devonian Shale (EIK + Benson)
- (5) Final Open Flow: 150 MCF
- (5) After Frac. R. P. 1800# 4 hrs.
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production:  $\frac{13550}{2982} = 38.1 \text{ MCF}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days 92 = 32.4 MCF
- (8) Line Pressure: NA PSIG from Daily Report
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information 02/16/2024
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

27

Operator's Well No. L. Radcliff #1

API Well No. 47 - 021 - 2998  
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. \_\_\_\_\_  
(If Applicable)

WELL OPERATOR Pacific States Gas & Oil, Inc.

DESIGNATED AGENT Donald C. Supcoe

ADDRESS P. O. Box 67  
Glenville, WV 26351

ADDRESS P. O. Box N  
Glenville, WV 26351

Gas Purchase Contract No. 6645-B and Date 10/17/75  
(Month, day and year)

Meter Chart Code 2-43-25-220999-1

Name of First Purchaser Equitable Gas Company  
420 Boulevard of the Allies  
(Street or P. O. Box)  
Pittsburgh, PA 15219  
(City) (State) (Zip Code)

FERC Seller Code 014358

FERC Buyer Code 5939

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 108 Section of NGPA Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

F.H. McCullough, III Vice President  
Name (Print) Title

*F.H. McCullough, III*  
Signature

P. O. Box 67  
Street or P. O. Box

Glenville, WV 26351  
City State (Zip Code)

(304) 462-7744/462-5781  
Area Phone Number  
Code

(Certificate of Proof of Service to Purchaser)

I hereby certify that on the 11<sup>th</sup> day of May, 1982, I served FERC Form 121, together with Form IV-48WC, State Application for Well Certification, with attachments upon Equitable Gas Company, by depositing true copies thereof in the United States mail, postage prepaid, in an envelope addressed to Equitable Gas Company, 420 Blvd. of the Allies Pittsburgh, Pennsylvania 15219.

*Donald C. Supcoe*  
Donald C. Supcoe  
Designated Agent

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1978, (NGPA);  or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (NGPA)

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. \_\_\_\_\_

Initial review of information submitted indicates the well  is,  is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

MAY 17 1982

*[Signature]*  
Director

Date received by  
Jurisdictional Agency

By \_\_\_\_\_  
Title \_\_\_\_\_

02/16/2024

*[Faint handwritten signature]*

*[Faint handwritten text]*

*[Faint handwritten signature]*

MAY 13 1985

02/16/2024

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

Date May 11 19 82  
Operator's Well No. L. Radcliff #1  
API Well No. 47 - 021 - 2998  
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL  
NGPA Section 108

DESIGNATED AGENT Donald C. Supcoe  
ADDRESS P. O. Box N  
Glennville, WV 26351

WELL OPERATOR Pacific States Gas & Oil, Inc.  
ADDRESS P. O. Box 67  
Glennville, WV 26351

LOCATION: Elevation 1017  
Watershed Stewarts Creek  
Dist Glennville County Gilmer Quad Glennville  
Gas Purchase Contract No. 6645-B  
Meter Chart Code 2-43-25-220999-1  
Date of Contract October 17, 1975

GAS PURCHASER Equitable Gas Company  
ADDRESS 420 Blvd. of the Allies  
Pittsburgh, PA 15219

\* \* \* \* \*

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

Standard oil field wellhead consisting of wellhead, tubing head, <sup>transition</sup>~~transmission~~ fitting, ball valve, check valves, assorted ells, tees, nipples, bull plugs, unions, separator and 100 bbl. tank.

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

1. Equitable Gas Company Monthly Gas Purchase Statement:  
Available at Corporate Office of Well Operator  
Available at Corporate Office of Gas Purchaser.
2. West Virginia Annual Business and Occupation Tax Return:  
Available at Corporate Office of Well Operator  
Available at West Virginia Tax Department.
3. Royalty Records:  
Available at Corporate Office of Well Operator.
4. Well Tending Records:  
Available at Corporate Office of Well Operator.

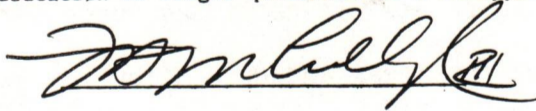
02/16/2024

Describe the search made of any records listed above:

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes \_\_\_ No X. If yes, indicate the type and source of the information.

AFFIDAVIT

I, F.H. McCullough, III, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.



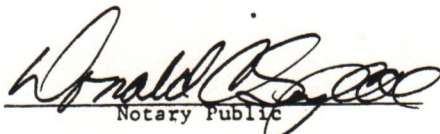
STATE OF WEST VIRGINIA,

COUNTY OF Gilmer, TO WIT:

I, Donald C. Supcoe, a Notary Public in and for the state and county aforesaid, do certify that F.H. McCullough, III, whose name is signed to the writing above, bearing date the 11th day of May, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 11th day of May, 1982.

My term of office expires on the 6th day of November, 1991.



Notary Public

02/16/2024

[NOTARIAL SEAL]

IV-39-WC

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

ANNUAL REPORT OF MONTHLY PRODUCTION-1978  
GAS VOLUMES IN MFC @ 14.73  
OIL IN BARRELS @ 60 DEGREES  
10 1 18

REPORT NO. CCA101P1 PG 00002  
CURRENT DATE - 12/19/78  
REPORT DATE - 12/19/78

02/16/2024

API 47-021-2998 FARM 1 Radcliff

COUNTRY: Gilmer

AVO. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

GAS MFC 913 840  
OIL BBL J- F- M- A- M- J- J- A- S- M- O- N- O- OIL 1753  
DAYS ONLINE 30 27

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

ANNUAL REPORT OF MONTHLY PRODUCTION-  
GAS VOLUMES IN MFC @ 14.73  
OIL IN BARRELS @ 60 DEGREES  
10 1 18

REPORT NO. CCA101P1 PG 00002  
CURRENT DATE - 12/19/78  
REPORT DATE - 12/19/78

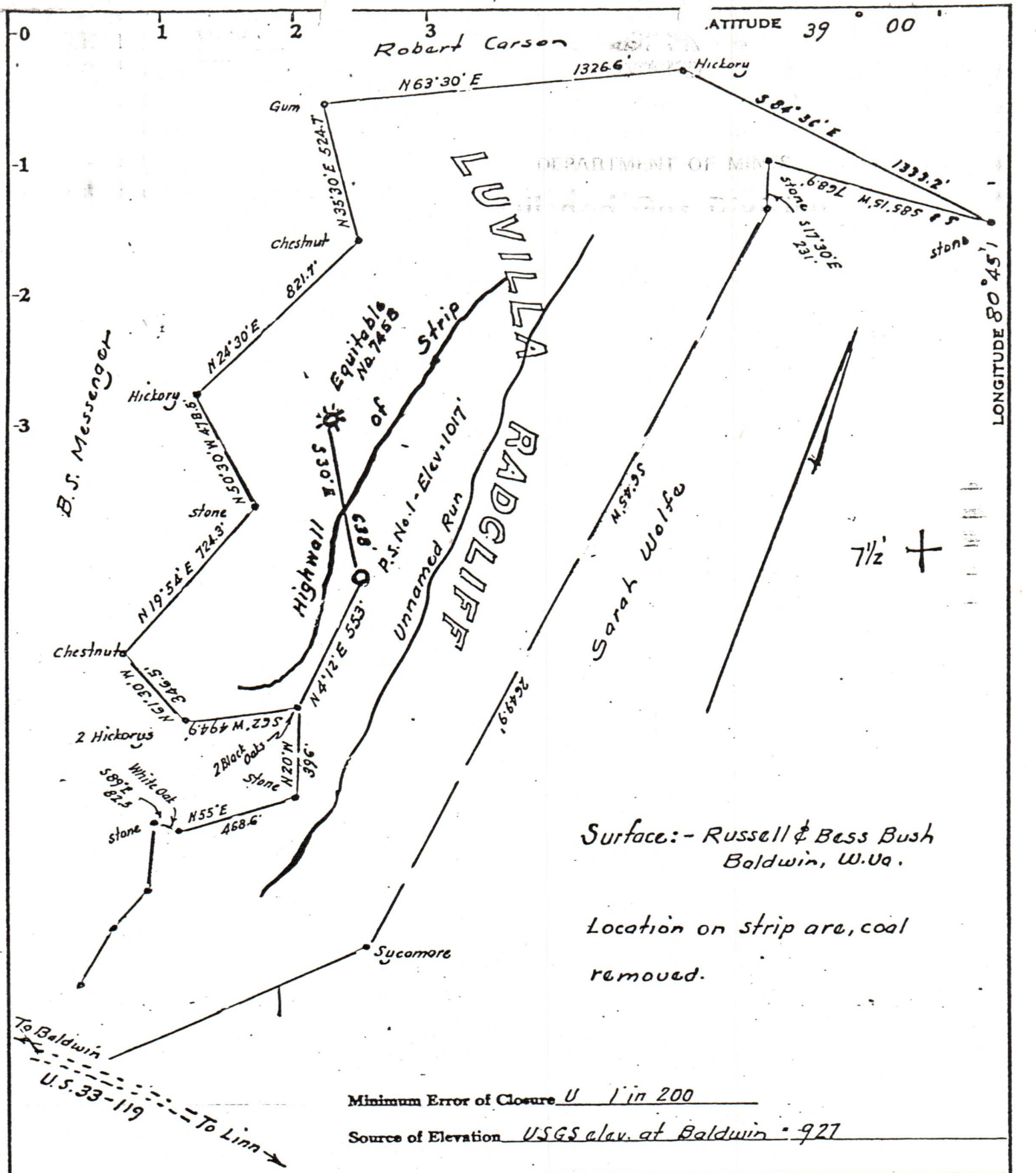
API FARM 1 COUNTRY: AVO. FLOW PRESSURE SHUT-IN PRESSURE TOTALS

GAS MFC 899 1346 1361 1343 1167 1056 1269 1094 1033 1229 045 11,797  
OIL BBL J- F- M- A- M- J- J- A- S- M- O- N- O- OIL -0-  
DAYS ONLINE 28 31 30 32 29 27 29 29 29 35

SUMMARIZATION SCHEDULE  
Section 271. 804 (b)

In accordance with Section 271.804(b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS



Surface: - Russell & Bess Bush  
Baldwin, W. Va.

Location on strip area, coal  
removed.

Minimum Error of Closure U 1 in 200

Source of Elevation USGS elev. at Baldwin = 927

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. S. Steed

Squares: N S E W

Company PACIFIC STATES GAS & OIL

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

Farm Luvilla Radcliff

Tract \_\_\_\_\_ Acres 112.94 Lease No. \_\_\_\_\_

Well (Farm) No. P.S. No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1017

Quadrangle Glenville 7 1/2

County Gilmer District Glenville

Engineer W. S. Steed

Engineer's Registration No. 1727 LLS 200

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date March 17, 1978 Scale 1" = 500'

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

**WELL LOCATION MAP**

FILE NO. 47-021-2988  
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.