



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

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

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

Map No. \_\_\_\_\_

Company PACIFIC STATES GAS & OIL INC.  
 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 7 1/2' 15' NE  
 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. GIL-2829

+ Denotes location of well on United States Topographic Maps, scale 1 to <sup>62,500</sup>/<sub>29,000</sub>, latitude and longitude lines being represented by border lines as shown.

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

47-021



RECEIVED

OCT 21 1977

OIL & GAS DIVISION  
DEPT. OF MINES

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Glennville 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, Glennville, WV 26351  
Farm B.S. Messenger Acres 100  
Location (waters) Stewart's Creek  
Well No. PS 1 Elev. 992  
District Glennville County Gilmer  
The surface of tract is owned in fee by \_\_\_\_\_  
Glennville State College  
Address Glennville, 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 249014 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:

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

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand BENSIN Depth 4466

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		

(over)

\* Indicates Electric Log tops in the remarks section.

OCT 28 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 Riley			4012	4066		
Sandy Shales			4066	4368		
Sand			4368	4380		
Shale			4380	4452		
<u>Benson</u>			4452	4472		
Shales			4472	4587		

Date September 12, 1977

APPROVED

*[Handwritten Signature]*

By Executive Vice President

General



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

MAY 31 1977

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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.

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 L. 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

XX 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

P.O. 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 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 BOARD

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."

Signed by [Signature]

47-021

**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 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.

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

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