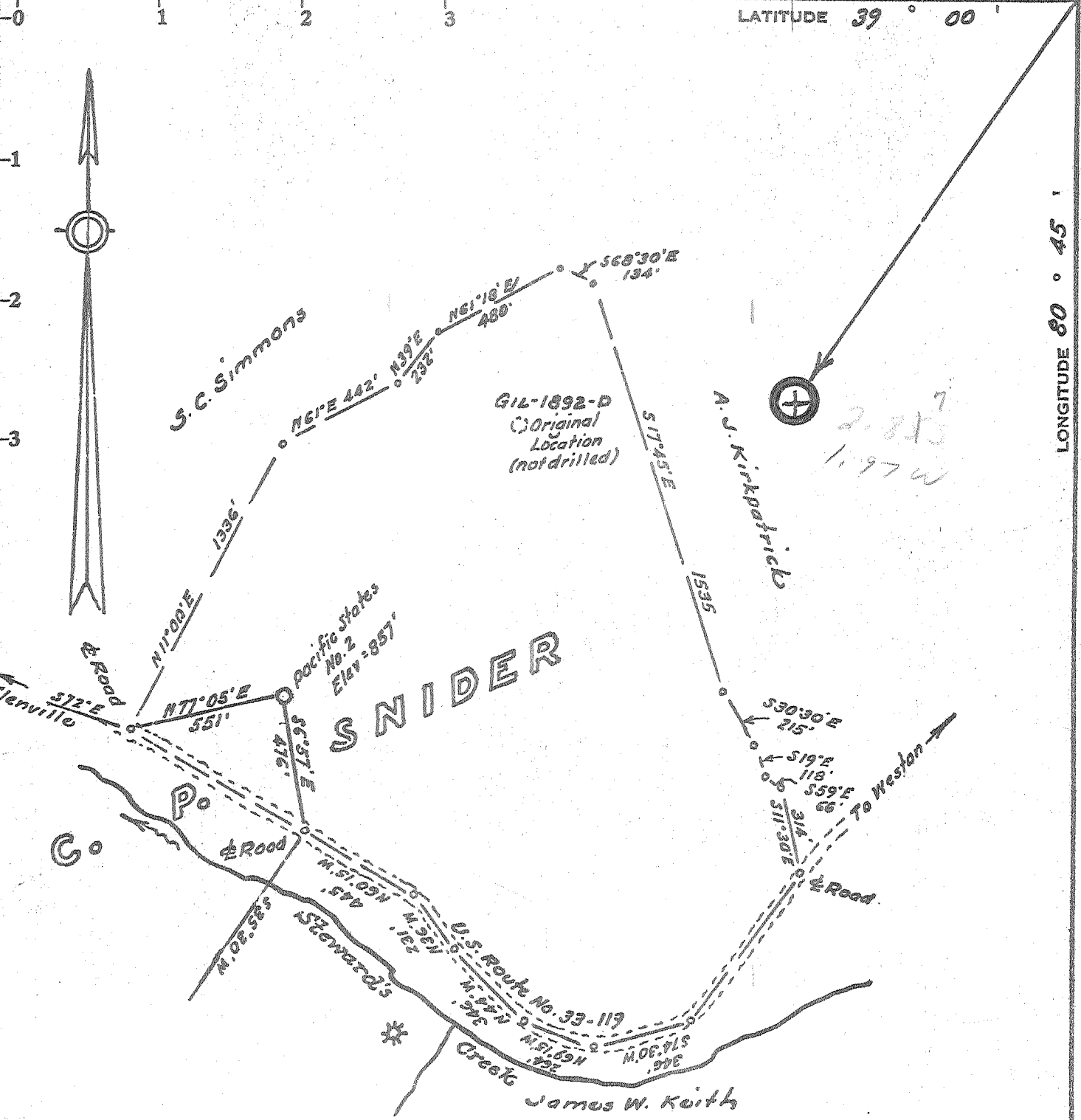


Plot Log Card CSD Mflr



Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S. elevation at bridge across Collins

Run, 1600 NW of location, = 759

- 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: _____
Squares: N S E W

Map No. _____

Company PACIFIC STATES GAS & OIL, INC
 Address Box 5814 Garside Sta. Las Vegas, Nev.
 Farm G. P. Snider
 Tract _____ Acres 228 Lease No. _____
 Well (Farm) No. PS-Two Serial No. 5-A
 Elevation (Spirit Level) 857'
 Quadrangle Glenville NE
 County Gilmer District Glenville
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 27, 1971 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. GIL-2222

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 4

Quadrangle Gilmer
Permit No. Oil #2222

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

Company <u>PSG&O (Pacific States Gas & Oil, Inc.)</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 67 Glenville, W.Va.</u>				
Farm <u>C.F. Snider</u> Acres <u>228</u>	Size			
Location (waters) <u>No Surface</u>	20-16			
Well No. <u>2A-5</u> Elev. <u>857'</u>	Cond. <u>XX</u>	<u>31'</u>	<u>31'</u>	
District <u>Glenville</u> County <u>Gilmer</u>	13-10" <u>XX</u>	<u>262'</u>	<u>262'</u>	<u>75 sks to surf</u>
The surface of tract is owned in fee by <u>Bertha Snider et al</u>	9 5/8 <u>XX</u>	<u>2212'</u>	<u>2212'</u>	<u>500 sks " "ace</u>
Address <u>Glenville, W.Va.</u>	8 5/8			
Mineral rights are owned by <u>First Baptist Church</u> Address <u>Glenville, W.Va.</u>	7 <u>XX</u>	<u>6375</u>	<u>4325</u>	<u>100 sks to 5000</u>
Drilling Commenced <u>5-13-72</u>	5 1/2			
Drilling Completed <u>6-5-72</u>	4 1/2 <u>XX</u>		<u>7200</u>	<u>1225 sks to sur</u>
Initial open flow <u>980,000</u> cu. ft. <u>bbis.</u>	3			<u>face</u>
Final production <u>6,100,000</u> <u>per day</u> <u>bbis.</u>	2 3/8"		<u>7000</u>	
Well open <u>4</u> hrs. before test <u>RP.</u>	Liners Used			

Well treatment details: Frac/d by HOWCO 9-20-72
Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water None Feet _____
Producing Sand Chert - Huntersville Depth 6336'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Redrock			0	38		
Sand			38	48		
Redrock & Shale			48	190		
Sand & Slate			190	262		
Red Rock			262	312		
Shale			312	332		
Lime			332	336		
Slate & Shells			336	417		
Shale			417	432		
Sand			432	482		
Slate & Shells			482	554		
Sand			554	589		
Slate & Shells			589	657		
Sand			657	682		
Shale/Slate			682	746		
Slate & Shells			746	897		
Sand			897	907		
Slate & Shells			907	977		
Sand			977	993		
Slate & Shells			993	1102		
Sand			1102	1127		
Sand & Slate			1127	1169		
Sand			1169	1202		

RECEIVED

NOV 9 1972

OIL & GAS DIVISION
DEPT. OF MINES

Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet ⁴	Bottom Feet	Oil, Gas or Water	* Remarks
Slate & Shells			1202	1255		
Sand			1255	1277		
Slate & Shells			1277	1315		
Sand			1315	1386	Gas & Oil	
Shale			1386	1431		
Sand			1431	1470	Gas	
Shale			1470	1539		
Sand & Lime			1539	1582	Gas	
Sand			1582	1632	Gas	-
Shale			1632	1703		
Sand & Lime			1703	1771	Gas	
Shale			1771	1800		
Sand			1800	1836	Gas	
Shale			1836	2004		
Sand			2004	2009	Gas	
Shale			2009	2224		
Sand			2224	2228	Gas	
Shale			2228	2440		
Sand			2440	2446	Gas	
Shale			2446	3552		
sand			3552	3556	Gas	
Shale			3556	4336		
Sand			4336	4350	Gas	
Shale			4350	6254		
Lime Shale			6254	6290	Gas	Compensated Density Log
Shale			6290	6336		
Chert - <i>Hunterville</i>			6336	6566	Gas	
Sand - <i>Oriskany</i>			6566	6676	Gas	-
Shale			6676	6874		
Sand & Lime			6874	6895		
Shale			6895	7221		
Lime & Sand			7221	7251		
Shale			7251	7260		

T.D. probably above Newburg in the Salina (Wills Creek) 7260
857
6403 subsec P

$\frac{7260}{1632} = 5628$ *explor. footage*

$\frac{6336}{857} = 5479$ *Oriskany subsec top*

$\frac{6566}{857} = 5709$ *Oriskany subsec top*

Date Nov 7, 1972, 19

APPROVED [Signature], Owner

By [Signature]

(Title)
Box 5814 Carside Station
Las Vegas, Nevada



MAR 27 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 3, 1971

Surface Owner C. P. Snider
Address _____
Mineral Owner Bertha Snider, etal.
Address Glenville, W.Va.
Coal Owner First Baptist of Glenville
Address Glenville, West Virginia
Coal Operator _____
Address _____

Company Pacific States Gas & Oil, Inc.
Address Box 735, Encino, Calif. 91396
Farm C. P. Snider Acres 228
Location (waters) Steward's Creek
Well No. PS-2 (G-A) Elevation 857'
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 July 27, 1972
Robert L. Todd
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Harry
Grantsville PH: 354-6145
26.47

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 October 13 1924 by Bertha Snider, etal made to Equitable Gas Company and recorded on the 28th. day of October 1924 in Gilmer County, Book 105 Page 493
XXXX 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.

Very truly yours, [Signature]
(Sign Name) Pacific States Gas & Oil, Inc.
Well Operator

Address _____
of _____
Well Operator _____
_____ Street
Las Vegas
_____ City or Town
Nevada
_____ 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.

Survey

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 Ray Resources Corporation NAME Gene Haney
 ADDRESS 630 Commerce Square, Chas.W.Va. ADDRESS 510 Kanawha Valley Bldg. Chas.W.Va.
 TELEPHONE _____ TELEPHONE (304) 343-1872
 ESTIMATED DEPTH OF COMPLETED WELL: 8200' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg air or mud as needed
 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 13 3/8	275	275	
9 - 5/8	2500		
8 - 5/8			
7	6600	cemented	in chert
5 1/2			
4 1/2	8700		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS no surface FEET possible at 6500' in Chert SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None
 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