



Minimum Error of Closure 1 in 200  
 Source of Elevation USGS B.M. at Arvilla: 636

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]  
 Map No.                      Squares:    N    E    W

Company SECURITY GAS & OIL INC.  
 Address 100 BUSH ST. SUITE 2301 SAN FRANCISCO CA.  
 Farm H. C. Latney  
 Tract \_\_\_\_\_ Acres 155 Lease No. \_\_\_\_\_  
 Well (Farm) No. Two Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 622  
 Quadrangle Blue Run 7 1/2 ST. MARYS 15'  
 County Fayette District Union  
 Engineer [Signature]  
 Engineer's Registration No. 1221 LLS 200  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 23, 1978 Scale 1" = 1000'

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

**WELL LOCATION MAP**  
 FILE NO. **47-073-786**  
 CORRECTED TOP MARK.

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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



Formation	Color	Hard or Soft	Top Feet //	Bottom Feet	Oil, Gas or Water	* Remarks
Sandstone	White	Hard	900	960		
Shale	Gray	Soft	960	1098		
Sandstone	Gray	Hard	1098	1112		
Shale	Gray	Soft	1112	1164		
Sandstone	White	Hard	1164	1200		
Shale	Gray	Soft	1200	1304		
Sandstone	White	Hard	1304	1342		
Shale	Gray	Soft	1342	1374		
Sand	White	Hard	1374	1458		
Lime	Brown	Hard	1458	1544		
Shale	Gray	Soft	1544	1564		
Sandstone	Gray	Hard	1564	1726		
Shale	Gray	Soft	1726	1990		
Sand/Shale	Gray	Hard	1990	2028		
Shale	Gray	Soft	2028	2290		
Sand/Shale	Gray	Hard	2290	2360		
Shale	Gray	Soft	2360	2374		
Sand/Shale	Gray	Hard	2374	2410		
Shale	Gray	Soft	2410	2492		
Sand/Shale	Gray <sup>Co #2</sup>	Hard	2492	2508		
Shale	Gray	Soft	2508	3020TD		

Date July , 1 19 80

APPROVED Security Gas & Oil, Inc. Owner

Date: July 12, 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. H.C. Lathey #2

API Well No. 47 073 - 0786  
State County Permit

WELL TYPE: Oil xxx / Gas xxx /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_)

LOCATION: Elevation: 622' Watershed: Middle Island Creek St. Marys 15'  
District: Union County: Pleasants Quadrangle: Bens Run 7 1/2

WELL OPERATOR Security Gas & Oil Inc.  
Address 100 Bush St. Suite 2301  
San Francisco, CA  
OR  
417 1/2 Second St. St. Marys, WV

DESIGNATED AGENT Burl W. Smith  
Address Rt. 39  
St. Marys, WV 26170

OIL & GAS ROYALTY OWNER H. C. & G. E. Lathey  
Address Rt. #1, Friendly, WV

COAL OPERATOR None  
Address \_\_\_\_\_

Acreage 155

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same  
Address \_\_\_\_\_

Name None

Address \_\_\_\_\_

Acreage \_\_\_\_\_

Name \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Address \_\_\_\_\_

OIL & GAS DIVISION  
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Phillip Tracey  
Address Middlebourne, WV  
1-304-758-4573

COAL LESSEE WITH DECLARATION ON RECORD:

Name \_\_\_\_\_

Address \_\_\_\_\_

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease xx / other contract \_\_\_ / dated May 10, 1978, to the undersigned well operator from H. C. & G. E. Lathey

[If said deed, lease, or other contract has been recorded:]

Recorded on May 11, 1978, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 215 at page 433. A permit is requested as follows:

PROPOSED WORK: Drill xx / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ /  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 248-2000

Security Gas & Oil Inc.  
Well Operator

BLANKET BOND

By Frank E. Pettit  
Its Field Supt.

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Little Swiss Drilling Company
Address P.O. Box P
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Gordon Series

Estimated depth of completed well, 3000 feet Rotary xx/ Cable tools /
Approximate water strata depths: Fresh, 125 feet; salt, feet.
Approximate coal seam depths: None Is coal being mined in the area: Yes / No

FRASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith. 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 3-16-80.

Signature of Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its