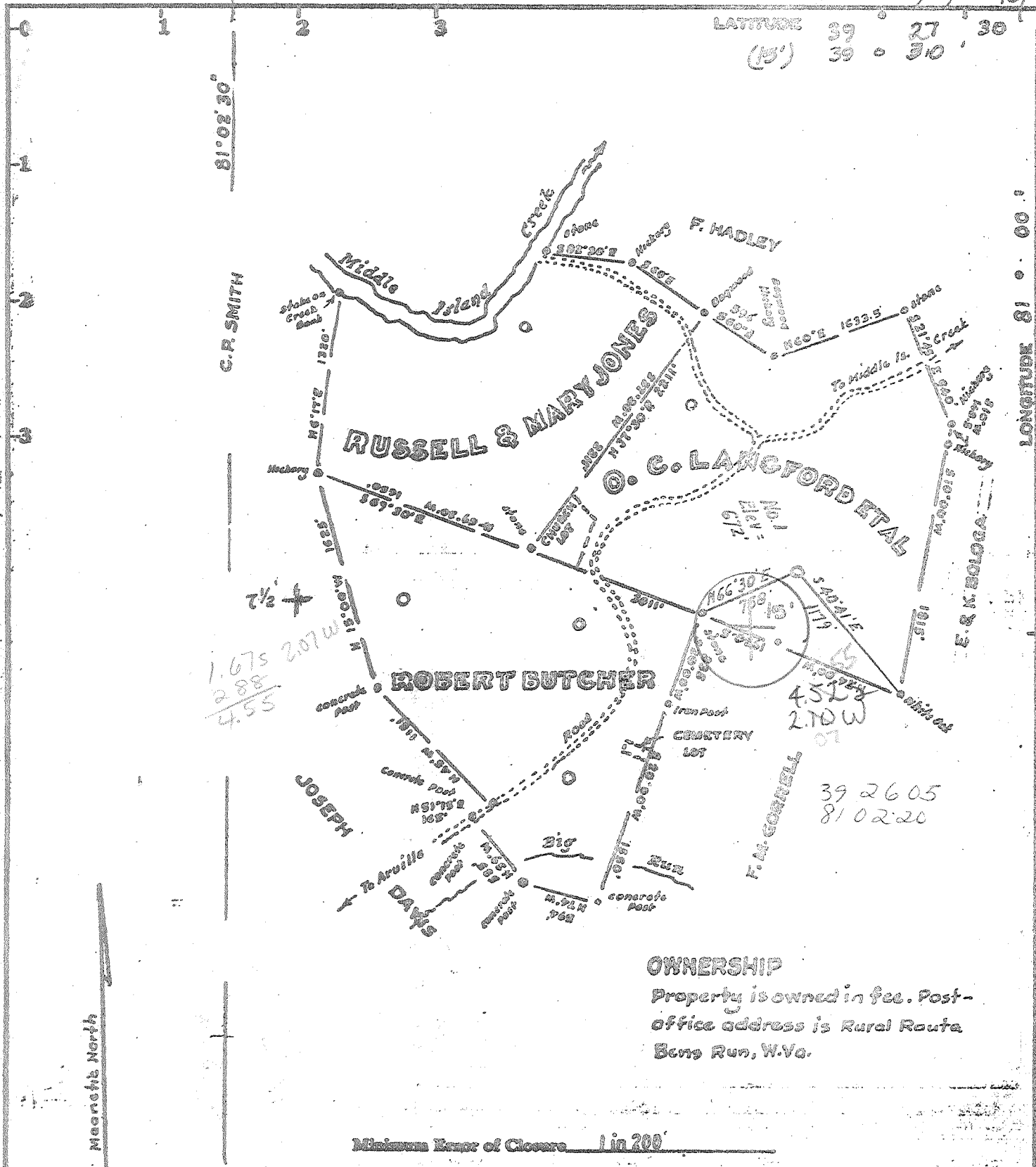


6/5/79 R

LATITUDE 39 27 30
(15) 39 30

81°02'30"

LONGITUDE 81 00 00



OWNERSHIP

Property is owned in fee. Post-office address is Rural Route Bens Run, W.Va.

Minimum Error of Closure 1 in 200

Source of Elevation USGS B.M. at junction of Big Run Road

SW of location = 662

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. Jones*
Squares: N S E W

Map No. _____

Company SECURITY OIL AND GAS INC.
411 2nd RT 35 ST MARY WV 26116
 Address 110 Bush St - Suite 2301, San Francisco, Calif.

Farm O.C. Langford et al

Tract _____ Acres 103.5 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 672' *NE*

Quadrangle Bens Run 7 1/2 St Mary 15'

County Pleasants District Union

Engineer *W. S. Jones*

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date March 30, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP

FILE NO. 47-073-0769

+ Denotes location of well on United States Topographic Maps, scale 1 to $\frac{1}{62,500}$ latitude and longitude lines being represented by border lines as shown.

JUN 21 1979

- Denotes one inch spaces on border line of original tracing. 66 Shiloh-Wick (86)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 21

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

Quadrangle Bens Run 7.5 min.

Permit No. 47-073-0769

Company Security Gas & Oil Inc
Address 417 1/2 Second Street, St. Marys, WV
Farm O.C. Langford Acres 103.5
Location (waters) Middle Island Creek
Well No. #1 Elev. 672'
District Union County Pleasants
The surface of tract is owned in fee by _____
O.C. Langford
Address Rt. #1 Friendly, WV
Mineral rights are owned by same
Address _____
Drilling Commenced 7-10-79
Drilling Completed 7-15-79
Initial open flow 1,500,000 cu. ft. 10 bbls.
Final production 80,000 cu. ft. per day 10 bbls.
Well open 2 hrs. before test 1275 RP.

Size	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	817'		Cement to surf.
7			
5 1/2			
4 1/2		2981	390 Sacks
3			
2		2580	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Wg 12 -- 500lbs, WAC 10 -- 600 lbs, Fract Flow -- C 5 20 gal.,
Clay Sta 30 gal. 80-100 Fract Sand 30,000 lbs, 20-40 Fract
Sand 60,000 lbs, 1100 bbl. H₂O, 160 st. cu. ft. nitrogen

80MCF+1000

Coal was encountered at 0 Feet 0 Inches
Fresh water 135 Feet Salt Water 0 Feet
Producing Sand Gordon Depth 2512-2526

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	20		
Sandstone	Gray	Hard	20	40		
Shale	Gray	Soft	40	145		
Shale	Red	Soft	145	195		
Shale	Gray	Soft	195	235		
Shale	Red	Soft	235	335		
Shale	Gray	Soft	335	365		
Shale	Red	Soft	365	395		
Shale	Gray	Hard	395	425		
Shale	Red	Soft	425	435		
Shale	Gray	Hard	435	505		
Sand	White	Soft	505	525		
Shale	Gray	Soft	525	585		
Lime	Gray	Hard	585	595		
Shale	Gray	Soft	595	705		
Sand	Gray	Soft	705	715		

RECEIVED
JUN 12 1980
DEPARTMENT OF MINES

(over)

* Indicates Electric Log tops in the remarks section.

JUL 16 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	Red	Soft	715	905		
Sand	Gray	Hard	905	970		
Shale	Gray	Soft	970	1045		
Sand	Gray	Hard	1045	1070		
Shale	Gray	Soft	1070	1100		
Sand	White	Hard	1100	1220		
Shale	Gray	Soft	1220	1305		
Sand	White	Hard	1305	1350		
Shale	Gray	Soft	1350	1400		
Sand	White	Hard	1400	1570		
Shale	Gray	Soft	1570	1600		
Sand	Gray	Hard	1600	1750		
Shale	Gray	Soft	1750	1980		
Sand/Shale	Gray	Soft	1980	2055		
Shale	Gray	Soft	2055	2220		
Sand/Shale	Gray	Soft	2220	2475		
Shale	Gray	Soft	2475	2512		
Sand/Shale	Gray	Soft	2512	2545		
Shale	Gray	Soft	2545	3002TD		

Date June 3 1980

APPROVED Security Gas & Oil Inc. Owner

By *Frank C. Smith*
Vice-President of Appalachian Regio

(116)

Date: June 5, 1979

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. D.C. Langford #1

API Well No. 47-073-0769
State County Permit

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

LOCATION: Elevation: 4220' Watershed: Middle Island Creek
District: Interior County: Putnam Quadrangle: 40NS 40S 7E

WELL OPERATOR Security Gas & Oil Inc.
Address 100 Main St. Suite 1901
San Francisco, CA
4374 Island St./St. Marys WV

DESIGNATED AGENT Carl E. Pettel
Address St. 31
St. Marys, WV 26170

OIL & GAS ROYALTY OWNER D. C. Langford
Address Route 1
Islandly, WV

COAL OPERATOR None
Address:

SURFACE OWNER None
Address
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address
Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Treacy
Address Middlebourne, WV
1-204-728-2973

RECEIVED

JUN - 5 1979

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas at the above location under a deed / lease / other contract / dated Dec. 1, 1978, to the undersigned well operator from D. C. Langford

[If said deed, lease, or other contract has been recorded:]
Recorded on Dec. 11, 1978, in the office of the Clerk of the County Commission of Putnam County, West Virginia, in Book 151 at page 120. A permit is requested as follows:

PROPOSED WORK: Drill / 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) 348-3092

BLANKET BOND

Security Gas & Oil Inc.
Well Operator

By Frank E. Pettel

[08-78]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Little River Drilling Company

Address P.O. Box 2
Dunbar, WV 26031

GEOLOGICAL TARGET FORMATION, Carbon Series

Estimated depth of completed well, 2000 feet Rotary 1 1/2 / 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

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	8 5/8		24.1 lb	x		250'	250'	55 sacks	Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5	x			5200'	300 sacks	Depths set
Tubing									
Liners									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 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 2-6-80.

[Signature]
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