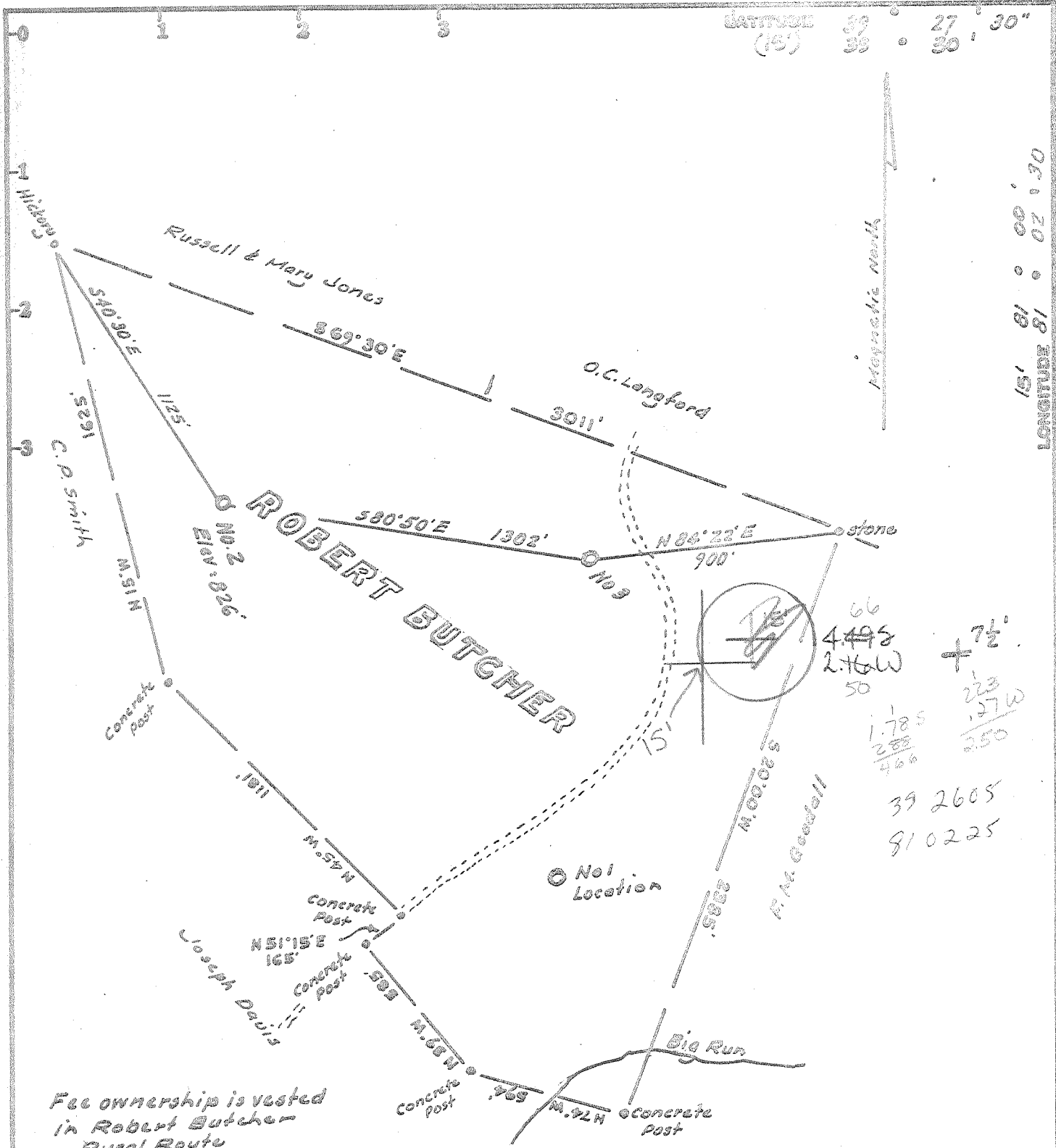


6/5/79



Fee ownership is vested in Robert Butcher 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. [Signature]

Map No. _____ Squares: N E E W

Company SECURITY OIL & GAS INC
 Address 110 Bush Street - Suite 2501, San Francisco, Cal.
 Farm Robert Butcher
 Tract _____ Acres 106 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 826 NE
 Quadrangle Bens Run 7 1/2 ST MARYS WV 15
 County Plasents District Union
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 30, 1979 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. 47-073-0771

+ 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.
 JUN 21 1979

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

Goodman Series CASHIEN-WICK 86



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 33

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

Quadrangle Bens Run 7.5 min.

Permit No. 47-073-0771

Company Security Gas & Oil Inc
Address 417 1/2 Second St. St. Marys, WV
Farm Robert Butcher #2 Acres 106
Location (waters) Big Run
Well No. 2 Elev. 826
District Union County Pleasants

The surface of tract is owned in fee by _____
Robert Butcher

Address Star Route, Bens Run, WV

Mineral rights are owned by same

Address _____

Drilling Commenced 6-17-79

Drilling Completed 6-21-79

Initial open flow 1 mcf cu. ft. 0 bbls.

Final production 100 mcf cu. ft. per day 0 bbls.

Well open 2 hrs. before test 1300 RP.

Well treatment details:

Attach copy of cementing record.

500 gals. MOD 202, 50,400 gals. H₂O, 30,000 lbs. 80/100,
60,000 lbs. 20/40, N₂ 160 mcf, Clay sta 30 gals., HAI 50 1/2 gal
Wg 12 500 lbs., Frac Flo CS 20 gal., WAC-10 600 lbs., Parasperse 55 gal.

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	805		Cement to surf.
7			
5 1/2			
4 1/2		2986	390 Sacks
3			
2		2652	
Liners Used			

Coal was encountered at 0 Feet 0 Inches
Fresh water 36 Feet Salt Water 0 Feet
Producing Sand Gordon Depth 2650-2664

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	20		
Clay	Red	Soft	20	40		
Clay	Yellow	Soft	40	80		
Shale	Gray	Hard	80	95		
Shale	Red	Hard	95	105		
Shale	Gray	Soft	105	145		
Shale	Red	Soft	115	250		
Sandstone	Brown	Hard	250	345		
Shale	Gray	Soft	345	400		
Sandstone	Gray	Hard	400	415		
Shale	Gray	Soft	415	498		
Sandstone	Gray	Hard	498	508		
Shale	Gray	Soft	508	575		
Sandstone	Gray	Hard	575	596		
Shale	Red	Soft	596	725		
Sandstone	Brown	Hard	725	788		

JUL 16 1980

(over)

Indicates Electric Log tops in the remarks section.

JUL 16 1980

Formation	Color	Hard or Soft	Top Feet ³³	Bottom Feet	Oil, Gas or Water	Remarks
Shale	Red	Soft	788	995		
Sandstone	Brown	Hard	995	1034		
Shale	Gray	Soft	1034	1052		
Sandstone	Gray	Hard	1052	1075		
Shale	Gray	Soft	1075	1136		
Sand	White	Hard	1136	1162		
Shale	Gray	Soft	1162	1214		
Sandstone	White	Hard	1214	1270		
Shale	Gray	Soft	1270	1464		
Sandstone	White	Hard	1464	1508		
Shale	Gray	Soft	1508	1560		
Lime	Brown	Hard	1560	1708		
Shale	Gray	Soft	1708	1742		
Sandstone	Gray	Hard	1742	1890		
Shale	Gray	Soft	1890	2168		
Sand/Shale	Gray	Hard	2168	2200		
Shale	Gray	Soft	2200	2350		
Sand/Shale	Gray	Hard	2350	2432		
Shale	Gray	Soft	2432	2474		
Sand/Shale	Gray	Hard	2474	2516		
Shale	Gray	Soft	2516	2534		
Sand/Shale	Gray	Hard	2534	2590		
Shale	Gray	Soft	2590	2648		
Sand/Shale	Gray ^{gabb.}	Hard	2648	2680		
Shale	Gray	Soft	2680	3027TD		

Date June / 10 1980

APPROVED Security Gas & Oil Inc. Owner

Frank E. Feltham
 Vice-President of Appalachian Region

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Robert Butcher #2
API Well No. 47-073-0771
State County Permit

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

LOCATION: Elevation: 826 Watershed: Big Run
District: Union County: Pleasants Quadrangle: Big Run 78

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

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

OIL & GAS ROYALTY OWNER Robert S. & Ray E. Butcher
Address Box 152, R.D. #1,
Friendly, WV

COAL OPERATOR Durl W. Smith
Address Route 39
St. Marys, WV 26170

ACREAGE 105
SURFACE OWNER Same
Address

ACREAGE

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

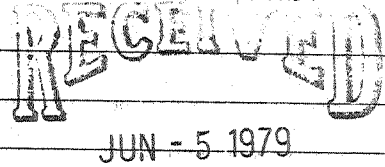
Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

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

OIL & GAS DIVISION
DEPT. OF MINES



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 Jan. 6, 19 79, to the undersigned well operator from Robert S. & Ray E. Butcher

[If said deed, lease, or other contract has been recorded:]
Recorded on Jan. 22, 19 79, in the office of the Clerk of the County Commission of Pleasants County, West Virginia, in Deed Book 151 at page 184. 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) 348-3092

BLANKET BOND

Security Gas & Oil Inc..
Well Operator

By Frank E. Pettit

[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 Swiss Drilling Company

Address P.O. Box 8
Rockhannon, 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 XX

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	<u>85/8</u>		<u>24.35</u>	<u>XX</u>		<u>250*</u>	<u>250*</u>	<u>53 sacks</u>	Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>		<u>10.5</u>				<u>3000*</u>	<u>300 sacks</u>	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 is noted as such on the Form IV-2 filed in connection therewith.

PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved

drilling . This permit shall expire if

operations have not commenced by 2-6-80.

[Signature]
Deputy Director, Office of Gas Division
This permit 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