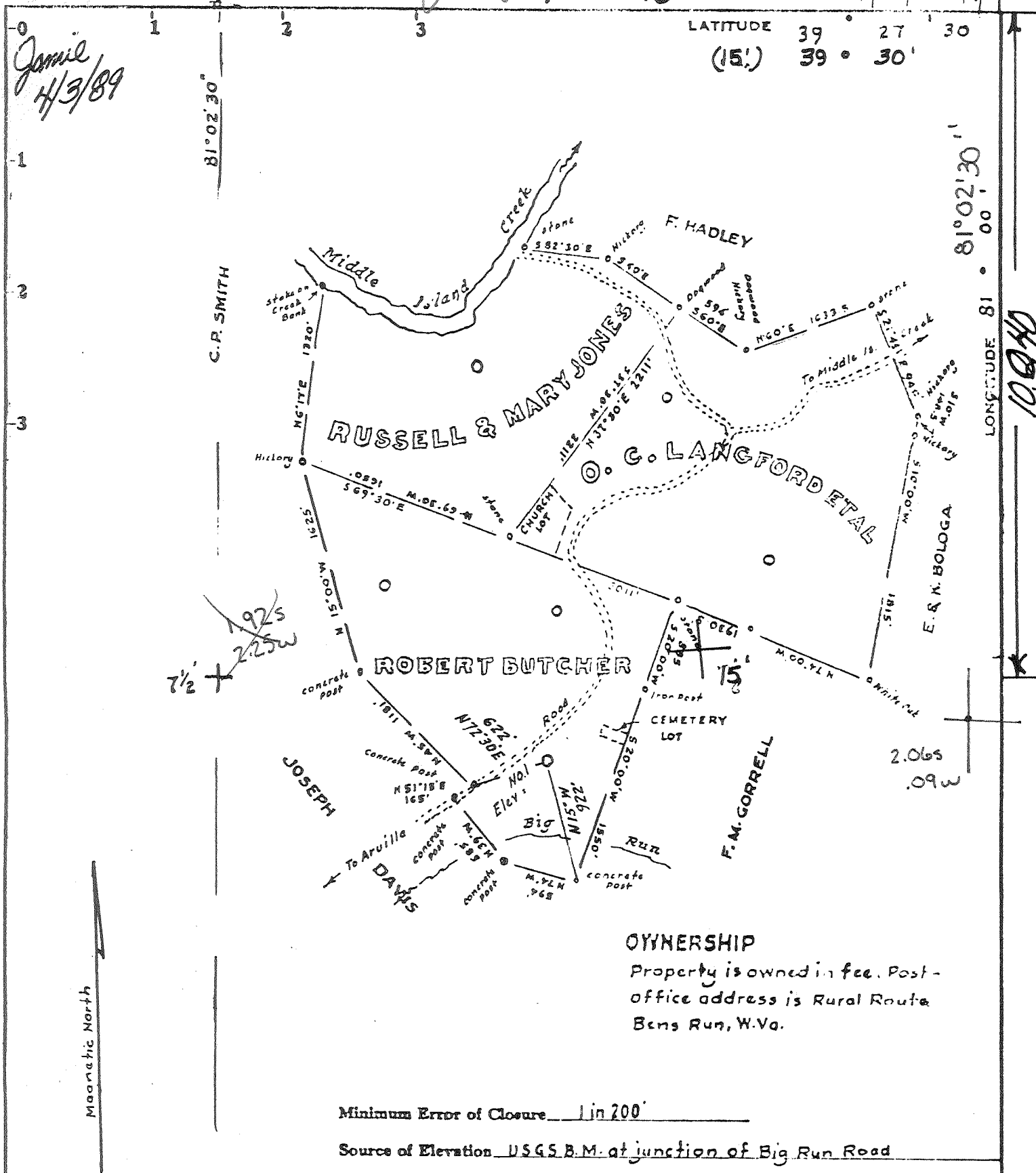


Jamie
4/3/89

12000

LATITUDE 39° 27' 30"
(15') 39° 30'



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: [Signature]
Map No. _____ Squares: N S E W

Company Halwell Co./Halwell Limited Part
 Address 423 Second St. Marietta, Ohio 45760
 Farm Robert Butcher
 Tract _____ Acres 106 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 821
 Quadrangle Bens Run 7 1/2 ST. MARYS 15'
 County Pleasants District Union
 Engineer [Signature]
 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

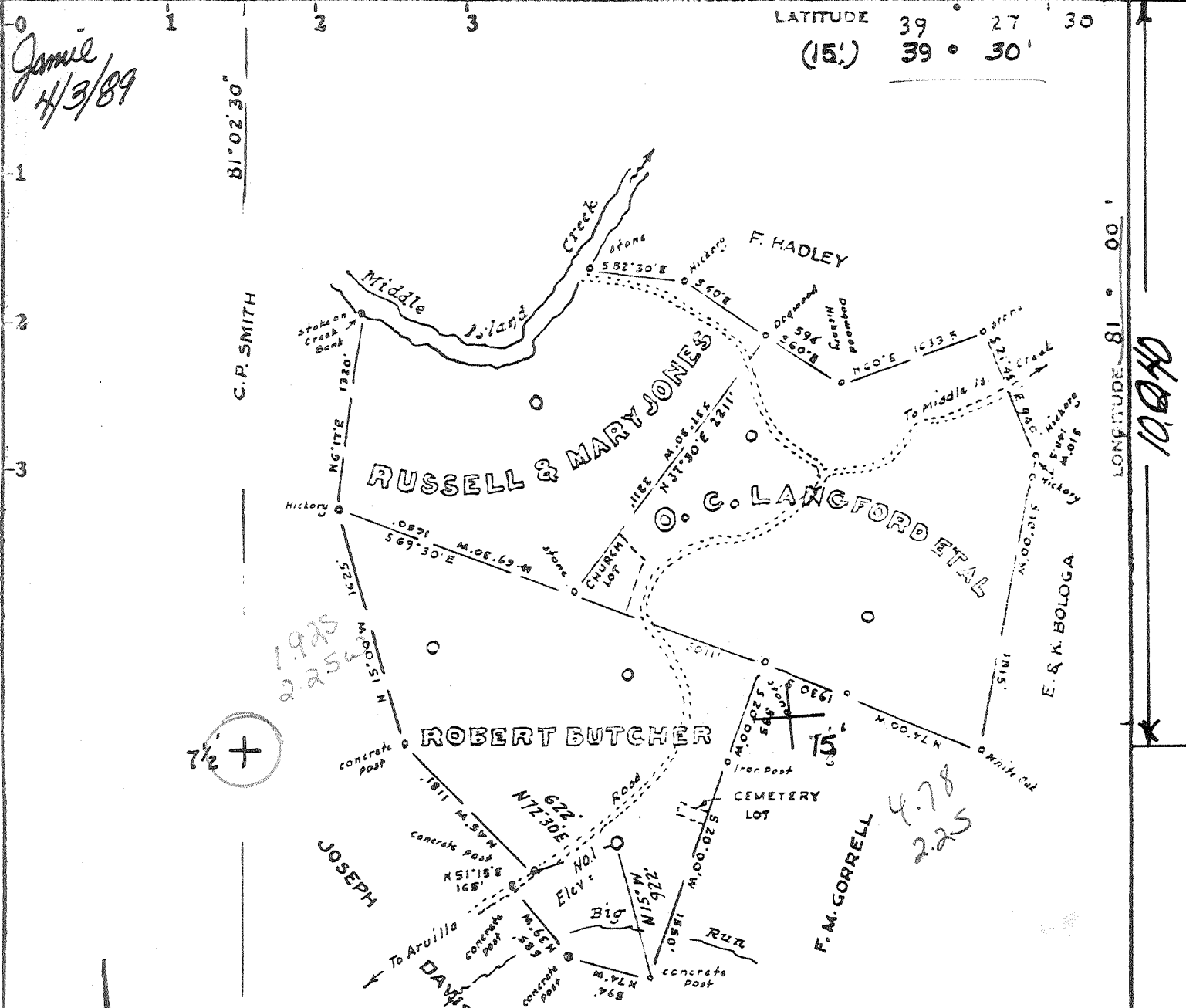
FILE NO. 47-073-0785 - Fracture

Fracture Cancelled
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

12020

7/13/79



LATITUDE 39 27 30
 (15') 39 30'

LONGITUDE 81 00'

10040

Jamie
4/3/89

Magnetic North

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.

Signed: [Signature]
 Squares: N S E W

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

Map No. 2931

Company Halwell Co./Halwell Limited Part.
 Address 423 Second St. Marietta, Ohio 45760

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

Farm Robert Butcher
 Tract _____ Acres 106 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 821
 Quadrangle Bens Run 7 1/2 St. Marys 15
 County Pleasants District Union 5
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 30, 1979 Scale 1" = 1000'

WELL LOCATION MAP

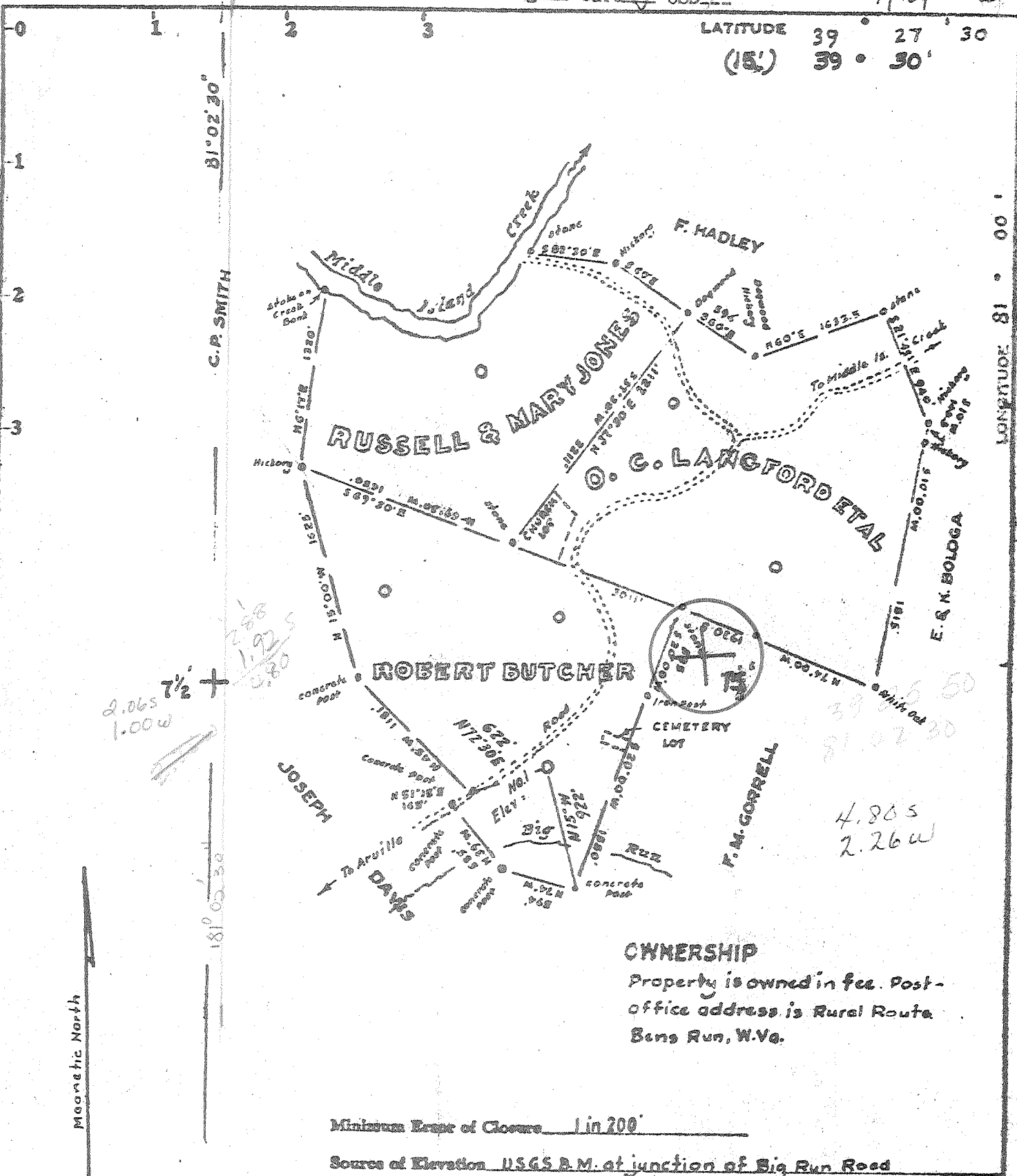
FILE NO. 47-073-0785-Frac.

+ 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.

APR 21 1989

LATITUDE 39° 27' 30"
(15') 39° 30'



2.065
1.00W
7 1/2 +
2.86
1.925
0.80

4.865
2.26W
39
81.22
30

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.

Signed: [Signature]
Squares: N S E W

Fracture
New Location
Drill Deeper
Abandonment

Company SECURITY OIL AND GAS, INC.
Address 110 Bush St. Suite 2301, San Francisco, Calif.
Farm Robert Butcher
Tract _____ Acres 106 Lease No. _____
Well (Farm) No. One Serial No. _____
Elevation (Spirit Level) 821
Quadrangle Bens Run 7 1/2 ST. MARYS 15'
County Pleasants District Union
Engineer [Signature]
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. 47-073-0785

+ 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.

AUG 7 1979

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Bens Run 7 1/2

Permit No. 47-073-0758 0785

Company Security Gas & Oil Inc.
 Address 417 1/2 Second Street St. Marys, W. Va.
 Farm Butcher #1 Acres 106
 Location (waters) Big Run
 Well No. #1 Elev. 821
 District Union County Pleasants

The surface of tract is owned in fee by
Robert S & Fay Butcher
 Address Box 152, RD #1 Friendly, W. Va.

Mineral rights are owned by Same
 Address _____

Drilling Commenced 7-16-79
 Drilling Completed 7-9-79

Initial open flow 200,000 cu. ft. 0 bbls.
 Final production 60,000 cu. ft. per day 0 bbls.

Well open 2 hrs. before test 1675 RP.

Well treatment details:
Super Juice 550 G. WG12 500# WAC 10 600#
Frac Flo SC 20G. Cla Sta B 30G.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			Cement to Surface 390 Sacks
Cond. 13-10"			
9 5/8			
8 5/8	825		
7			
5 1/2			
4 1/2	2980		
3			
2	2640		
Liners Used			

37380 gal water 30,000 # 80/100 Sand 51,500 20/40 Sand

Coal was encountered at 0 Feet 0 Inches
 Fresh water 114 Feet Salt Water _____ Feet
 Producing Sand 0 Depth 0 Feet

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow	Soft	0	90		
Sandstone	Gray	Hard	90	135		
Clay	Red	Soft	135	180		
Shale	Gray	Soft	180	280		
Sandstone	Gray	Hard	280	350		
Shale	Red	Soft	350	480		
Sandstone	Gray	Hard	480	500		
Shale	Gray	Soft	500	570		
Sandstone	Gray	Hard	570	600		
Shale	Red	Soft	600	710		
Sand & Shale	Gray	Hard	710	780		
Shale	Red	Soft	780	1000		
Shale	Gray	Soft	1000	1070		
Sandstone	Gray	Hard	1070	1090		
Shale	Gray	Soft	1090	1125		
Sand	Gray	Hard	1125	1150		
Shale	Gray	Soft	1150	1230		
Sand	Gray	Hard	1230	1270		
Shale	Gray	Soft	1270	1340		
Sand	Gray	Hard	1340	1385		
Shale	Gray	Soft	1385	1460		
Sand	Gray	Hard	1460	1500		
Shale	Gray	Soft	1500	1540		
Sand	Gray	Hard	1540	1600		

Evaporation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Lime	Brown	Hard	1600	1700		
Shale	Gray	Soft	1700	1740		
Sand	Gray	Hard	1740	1880		
Shale	Gray	Soft	1880	2100		
Sand/Shale	Gray	Hard	2100	2195		
Shale	Gray	Soft	2195	2350		
Sand/Shale	Gray	Soft	2350	2426		
Shale	Gray	Soft	2426	2450		
Sand/Shale	Gray	Hard	2450	2510		
Shale	Gray	Soft	2510	2530		
Sand/Shale	Gray	Hard	2530	2565		
Shale	Gray	Soft	2565	2644		
Sand	Gray	Hard	2644	2662		
Shale	Gray	Soft	2662	3012		5th

Dyle Feb. 1 19 80

Security Gas & Oil Inc.
 41 1/2 Second Street
 St. Marys, W. Va. 26170

APPROVED

Owner

By Frank E. Vetter
 Vice President Appalachian Region

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. Robert Butcher #1
API Well No. 47-073-0768
State County Permit 0785

WELL TYPE: Oil xxx / Gas xxx /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 821' Watershed: Big Run
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 Robert S. & Fay R. Butcher
Address Box 152, R. D. #1
Friendly, WV

COAL OPERATOR None
Address

Acreage 106

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Same
Address
Acreage

Name None
Address

FIELD SALE (IF MADE) TO:
Name
Address

Name
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

JUL 13 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease xxx / other contract / dated Jan. 6, 1979, to the undersigned well operator from Robert S. & Fay R. Butcher

[If said deed, lease, or other contract has been recorded:]
Recorded on Jan. 22, 1979, 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) 268-2000

Security Gas & Oil Inc.
Well Operator
By Frank E. Pittet
Its Field Supt.

BLANKET BOND

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 XXX /

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		24lb.	xx		250'	250'	53 sacks	Kinds	
Fresh water										
Coal									Sizes	
Intermediate										
Production	4 1/2		10.5				3000'	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 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 3-13-80.

[Signature]
Deputy Director

Completed by the coal operator and by any coal owner or Deputy Director 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

1

073-0785-Form

Issued 4/18/89 Expires 4/18/91

Page 23 of 23

FORM WW-1E

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Halwell/Halwell Limited Partnership **20640, 5, 241**
- 2) Operator's Well Number: #1 3) Elevation: 821'
- 4) Well type: (a) Oil X / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Maxton
- 6) Proposed Total Depth: 1650 feet
- 7) Approximate fresh water strata depths: 114'
- 8) Approximate salt water depths: 1700'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Temporary bridge plug set at approx. 1650' and
recomplete in the maxton using a fluid fracture treatment
(approx 500-800 bbl H2O & 25,000# sand).

CASING AND TUBING PROGRAM (Existing Well)

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	8 5/8"		20#	825'	825'	cemented to surface
Fresh Water						
Coal						
Intermediate						
Production	4 1/2"		10.5#	2980'	2980'	499 cu. ft.
Tubing						
Liners						

PACKERS : Kind See note above about plugging
Sizes
Depths set Temporarily only

RECEIVED
MAR 22 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1658
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Agent
(Type)

RECEIVED
MAR 22 1989

- 1) Date: March 3, 1989
- 2) Operator's well number #1
- 3) API Well No: 47 - 073 - 0785 -FRAC
State - County - Permit

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Robert & Faye Butcher
Address Box 152 RD #1
Friendly, WV 26146
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name None
Address _____
 - (b) Coal Owner(s) with Declaration
Name Robert & Faye Butcher
Address Box 152 RD #1
Friendly, WV 26146
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name None
Address _____
- 6) Inspector Glenn D. Robinson
Address Rt. 1 #6 Mt. Pleasant Est.
Mineral Wells, WV 26150
Telephone (304)-489-9162

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 23 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Halwell Co./Halwell Limited Partnership
By: Michael J. Westerfield
Its: Geologist
Address 423 Second Street
Marietta, OH 45750
Telephone (614) 373-6134

Subscribed and sworn before me this 6th day of March, 1989

My commission expires _____
Judith A. Williams Notary Public
JUDITH A. WILLIAMS
Notary Public, State of Ohio
My Commission Expires May 22, 1989