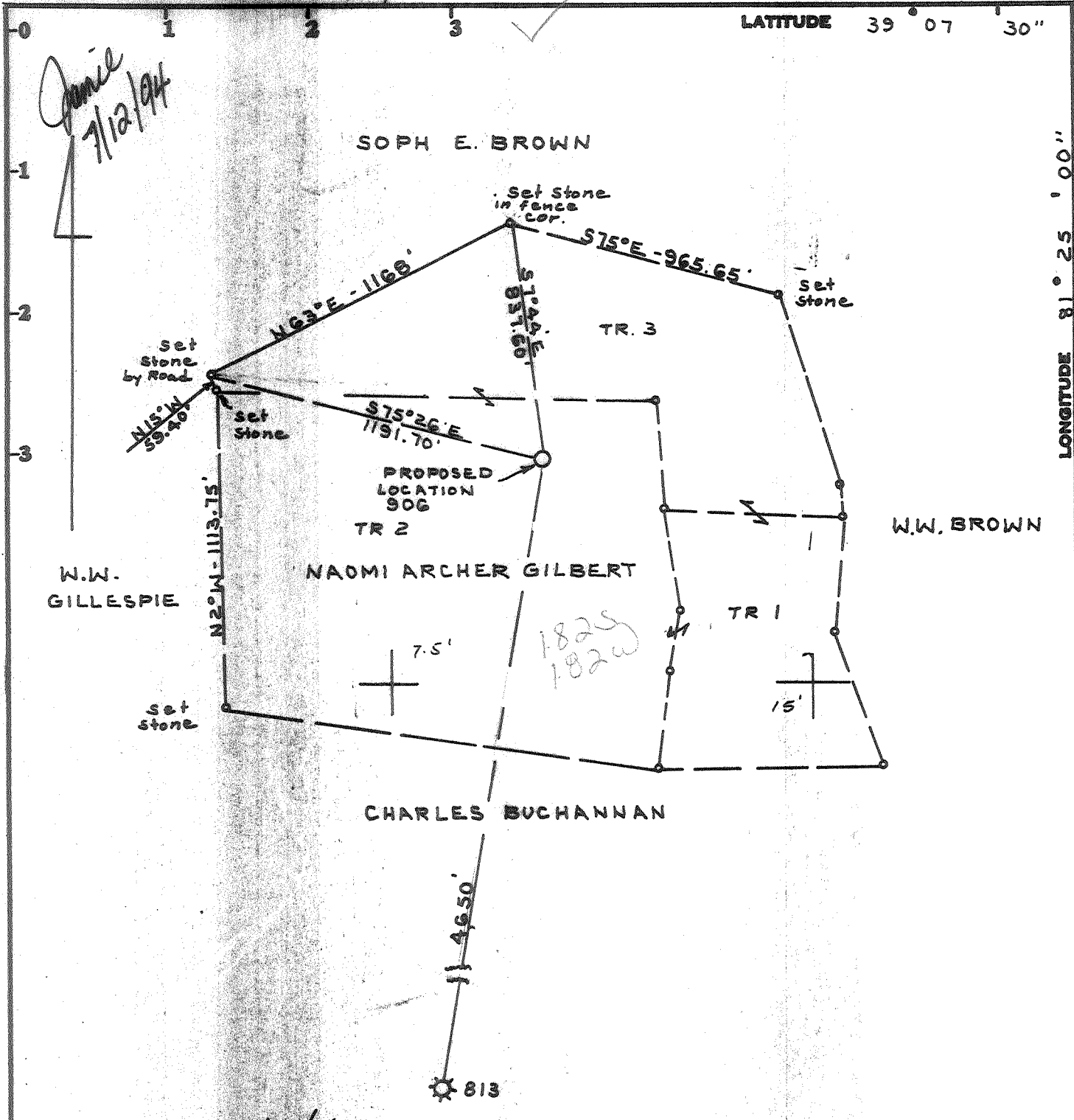


9,700'

39° 10'

LATITUDE 39° 07' 30"

LONGITUDE 81° 25' 00"



*Vance Stonestreet*  
*Rt. 1 Box 90*  
*Spencer, W.V.*  
*25276*  
*Plugging*

Minimum Error of Closure 1-200  
 Source of Elevation TOP of knob south of well Location  
 E.L. 1040.00'

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: C. J. Tolley Jr.  
 Squares: N S E W

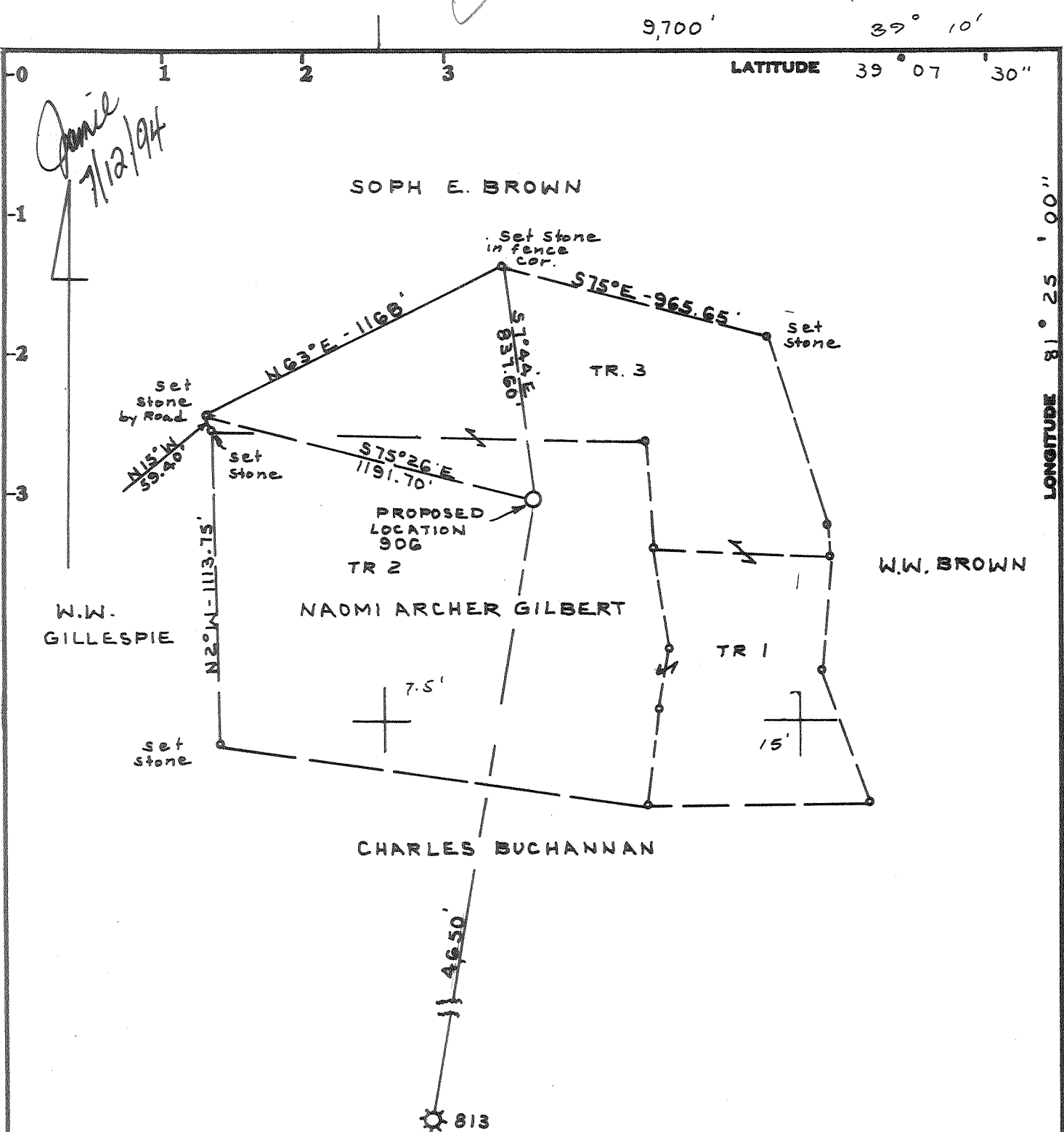
Map No.

Compan	Vance Stonestreet
Address	Rt. 1, Box 90 Spencer, wva. 25276-0090
Farm	NAOMI ARCHER GILBERT
Tract	Acres <u>83</u> Lease No. <u>1589</u>
Well (Farm) No.	Serial No. <u>906</u>
Elevation (Spirit Level)	<u>1007.0'</u>
Quadrangle	<u>ELIZABETH 7.5'</u>
County	<u>WIRT</u> District <u>TUCKER</u>
Surveyor	<u>C. J. TOLLEY JR.</u>
Surveyor's Registration No.	<u>92</u>
File No.	<u>BK 55 PG 52</u> Drawing No. _____
Date	<u>12-5-80</u> Scale <u>1"=500'</u>

STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil & Gas  
 Petro-WV  
**WELL LOCATION MAP**  
*Old Well No 47-105-0887-P*

*Plug exercised*  
 + 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.

WIR 0887-P



*Janice  
7/12/94*

*Vance Stonestreet  
Rt. 1, Box 90  
Spencer, W.V.  
25276  
Kuzing*

Minimum Error of Closure 1-200  
 Source of Elevation TOP of Knob South of well Location  
 E.I. 1040.00'

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: C. T. Tolley Jr.  
 Squares: N S E W

Map No. \_\_\_\_\_

Compan Vance Stonestreet  
 Address Rt. 1, Box 90  
Spencer, wva. 25276-0090

Farm NAOMI ARCHER GILBERT

Tract \_\_\_\_\_ Acres 83 Lease No. 1589

Well (Farm) No \_\_\_\_\_ Serial No. 906

Elevation (Spirit Level) 1007.0'

Quadrangle ELIZABETH 7.5'

County WIRT District TUCKER

Surveyor C. T. TOLLEY JR.

Surveyors Registration No. 92

File No. BK 55 PG 52 Drawing No. \_\_\_\_\_

Date 12-5-80 Scale 1" = 500'

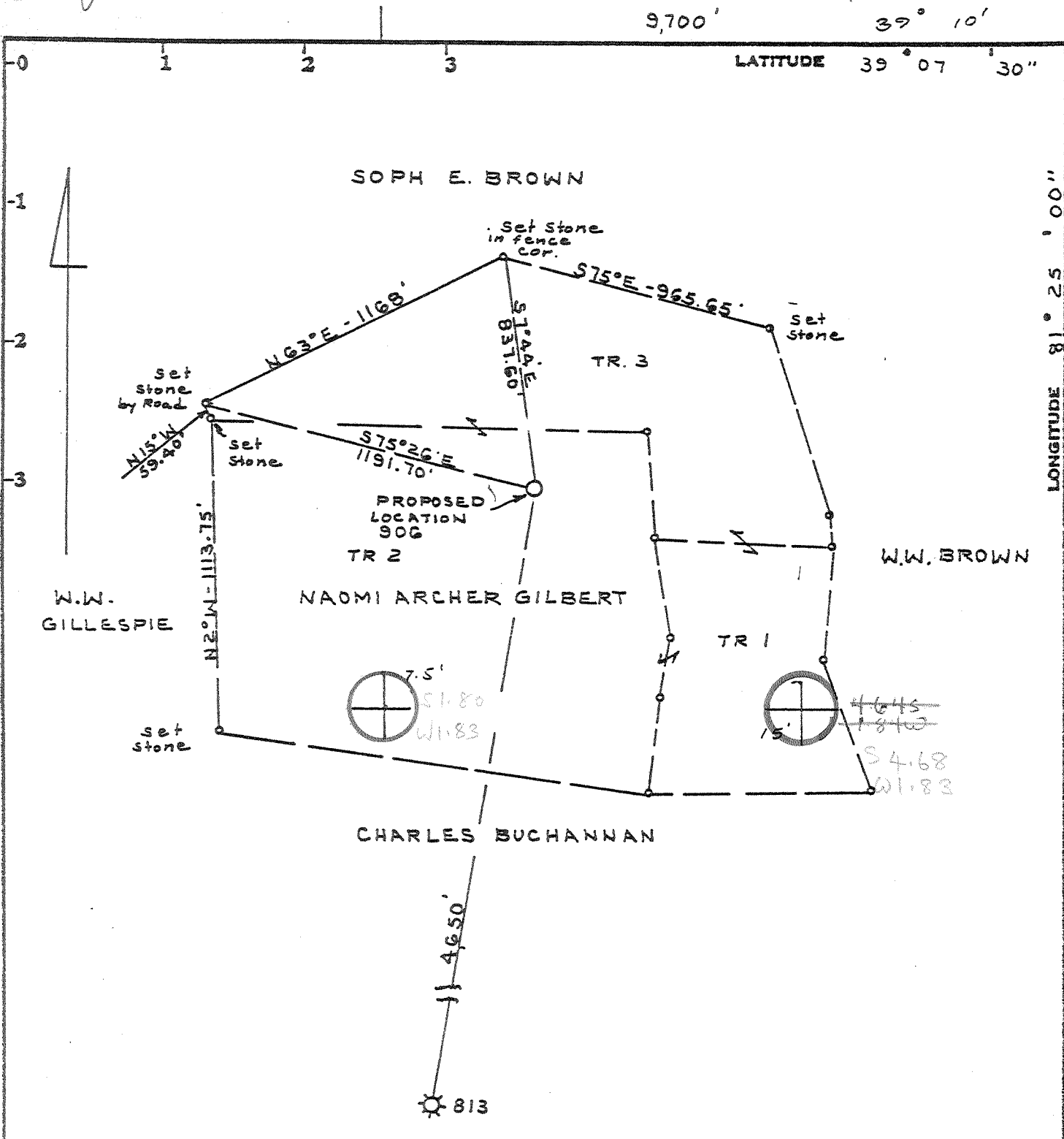
STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil & Gas  
 Petro. Div.

**WELL LOCATION MAP**  
*Old Well # 47-105-0887-P*

+ 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.

JUL 15 1994



Minimum Error of Closure 1-200

Source of Elevation TOP OF Knob South of well Location  
EI. 1040.00'

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: C. J. Tolley Jr.  
 Squares: N 30 E W

Map No.

Company RAY RESOURCES DIV. B.V.X.  
 Address 630 COMMERCE SQUARE CHARLESTON WVA  
 Farm NAOMI ARCHER GILBERT  
 Tract \_\_\_\_\_ Acres 83 Lease No. 1589  
 Well (Farm) No \_\_\_\_\_ Serial No. 906  
 Elevation (Spirit Level) 1007.0'  
 Quadrangle ELIZABETH 7.56W ELIZABETH 7.5  
 County WIRT District TUCKER  
 Surveyor C. J. TOLLEY JR.  
 Surveyor's Registration No. 92  
 File No. BKSS PG 52 Drawing No. \_\_\_\_\_  
 Date 12-5-80 Scale 1"=500'

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

WELL LOCATION MAP

FILE NO. 47-105-0887

+ 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.



IV-35  
(Rev 8-**RECEIVED**)

JAN 26 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines  
Oil and Gas Division

Date 12/22/81  
Operator's  
Well No. 906  
Farm Gilbert  
API No. 47 - 105 - 887

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas x / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production x / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)

LOCATION: Elevation: 100.70 Watershed Road Run  
District: Tucker County Wirt Quadrangle Elizabeth

COMPANY Ray Resources Div of BVP

ADDRESS 600 Commerce Sq. Chas. WV

DESIGNATED AGENT W. E. Stover

ADDRESS Box 235 Culloden, WV

SURFACE OWNER Naomi Gilbert

ADDRESS Rt. 3 Elizabeth, WV

MINERAL RIGHTS OWNER Same

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Paul

Goodnight ADDRESS Smithville, WV

PERMIT ISSUED \_\_\_\_\_

DRILLING COMMENCED 4/14/81

DRILLING COMPLETED 4/22/81

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	275.10	275.10	189 sks
9 5/8			
8 5/8	2396.98	2396.98	30 sks
7			
5 1/2			
4 1/2	5771.71	5771.71	230 sks
3			
2 3/8	5614.75	5614.75	
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany-Dev. Shale Depth 5860 feet

Depth of completed well 5860 feet Rotary x / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 60 feet; Salt \_\_\_\_\_ feet

Coal seam depths: N/A Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Oriskany-Dev. Shale Pay zone depth 5200 feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 94 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 8 hours

Static rock pressure 1850 psig (surface measurement) after \_\_\_\_\_ hours shut in

(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

FEB 16 1982

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforation interval 5644-5650

ORISK.

Cross Link Frac  
30,000# 20/40 sand  
30,000# 10/100 sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sandy Shale		Hard	0	15	
Red Rock		Soft	15	20	
Sandy Shale		Med. Hard	20	43	
Red Rock		Med. Hard	43	52	
Shale & Red Rock		Soft	52	595	
Shale		Hard	595	610	
Sandy Shale		Soft	610	1300	
Sand		Med. Hard	1300	1370	
Sand & Shale		Med. Hard	1370	1641	
Sand		Med. Hard	1641	1672	
Sand & Shale		Soft	1672	1790	
L. Lime		Hard	1790	1860	water @ 1860'
B. Lime			1860	2060	
Injun			2060	2154	
Shale (Dev.)			2154	5440	
Lime (Onondaga)			5440	5641	
Sand (Oriskany)			5641	5886	
				T.D.	

2604-2616 Sunbury Shale  
3862-4620 Huron  
4640-5088(?) Injun-Angola  
5088-5260(?) Rhinest  
5260-5370 Seneca  
5370-5460 Geneva  
5460-5640 Onondaga  
Oriskany  
Helderberg

(Attach separate sheets as necessary)

Ray Resources Div. of BVP  
Well Operator

By: Maria Comb

Date: 12/22/81

5440  
2060  
3380

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
DEC 18 1980

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 8, 1980

Surface Owner Naomi Gilbert

Company Ray Resources Div., BVX (U.S.), Inc.

Address Elizabeth, WV

Address Charleston, WV 25301

Mineral Owner Naomi Gilbert

Farm Naomi Gilbert Acres 83

Address Elizabeth, WV

Location (waters) Road Run

Coal Owner NONE

Well No. 906 Elevation 1007'

Address \_\_\_\_\_

District Tucker County Wirt

Coal Operator NONE

Quadrangle Elizabeth 7.5'

Address \_\_\_\_\_

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 8-23-81

INSPECTOR  
TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV

PHONE 477-3660

*J. G. Murray*  
Deputy Director - Oil & Gas Division

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 July 15, 1975 by Glen Roberts made to Ray Resources and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

XX 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.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours,  
RAY RESOURCES DIVISION BVX (U.S.), INC.  
(Sign Name) *J. Ray Carbett*  
Well Operator

630 Commerce Sq.  
Street  
Charleston,  
City or Town  
West Virginia 25301  
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.

BLANKET BOND

47-105-387 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by *J. Ray Carbett*

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XX DRILL DEEPEEN FRACTURE-STIMULATE  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Ray Resources NAME Smokey Stover  
 ADDRESS Charleston, WV ADDRESS Culloden, WV  
 TELEPHONE 344-8393 TELEPHONE 743-9067  
 ESTIMATED DEPTH OF COMPLETED WELL: 5865' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X 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	90'	90'	To Surface
9 - 5/8			
8 - 5/8	2330'	2330'	200 Sacks
7			
5 1/2			
4 1/2		5865'	200 Sacks or to require
3			Perf. Top of rule 15.01
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET 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