

Sh 1/28

Plot Card  OSD

3750'

LATITUDE 39° 07' 30"  
39° 10'

LONGITUDE 81° 15' 00"

NORTH

JOEL BECKWITH

STRAIGHT FORK

SADIE LEWIS

EI. 1063.0

C. N. WELCH  
130 AC.

RAYMOND  
MAYLE

PROPOSED  
LOCATION 915

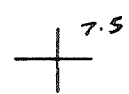
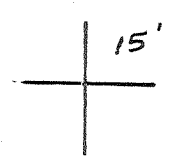
Walnut  
stump in Fen.  
Cor.

N 27° 12' E 480'  
S 52° 30' W 479'  
N 50° W 210'  
S 22° W 317'  
10" Pine  
Pine stump  
2 Hickorys

24" Walnut

WVA ST. RT. 53

BIG ISLAND CREEK



14,225'

FILE NO. GK 59 P 26  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF  
ACCURACY 1-200'  
PROVEN SOURCE OF  
ELEVATION U.S.G.S TOP Knob  
North of Location EI 1063

I, THE UNDERSIGNED, HEREBY CERTIFY THAT  
THIS PLAT IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND BELIEF AND SHOWS ALL THE  
INFORMATION REQUIRED BY LAW AND THE REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF MINES.  
(SIGNED) C. J. Valley Jr.  
R.P.E. \_\_\_\_\_ L.L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF  
WELL ON UNITED STATES  
TOPOGRAPHIC MAPS  
FORM IV-8  
(8-78)



DATE Jan 24, 1981  
OPERATOR'S WELL NO. 915  
API WELL NO.  
47 - 105 - 0901-P  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

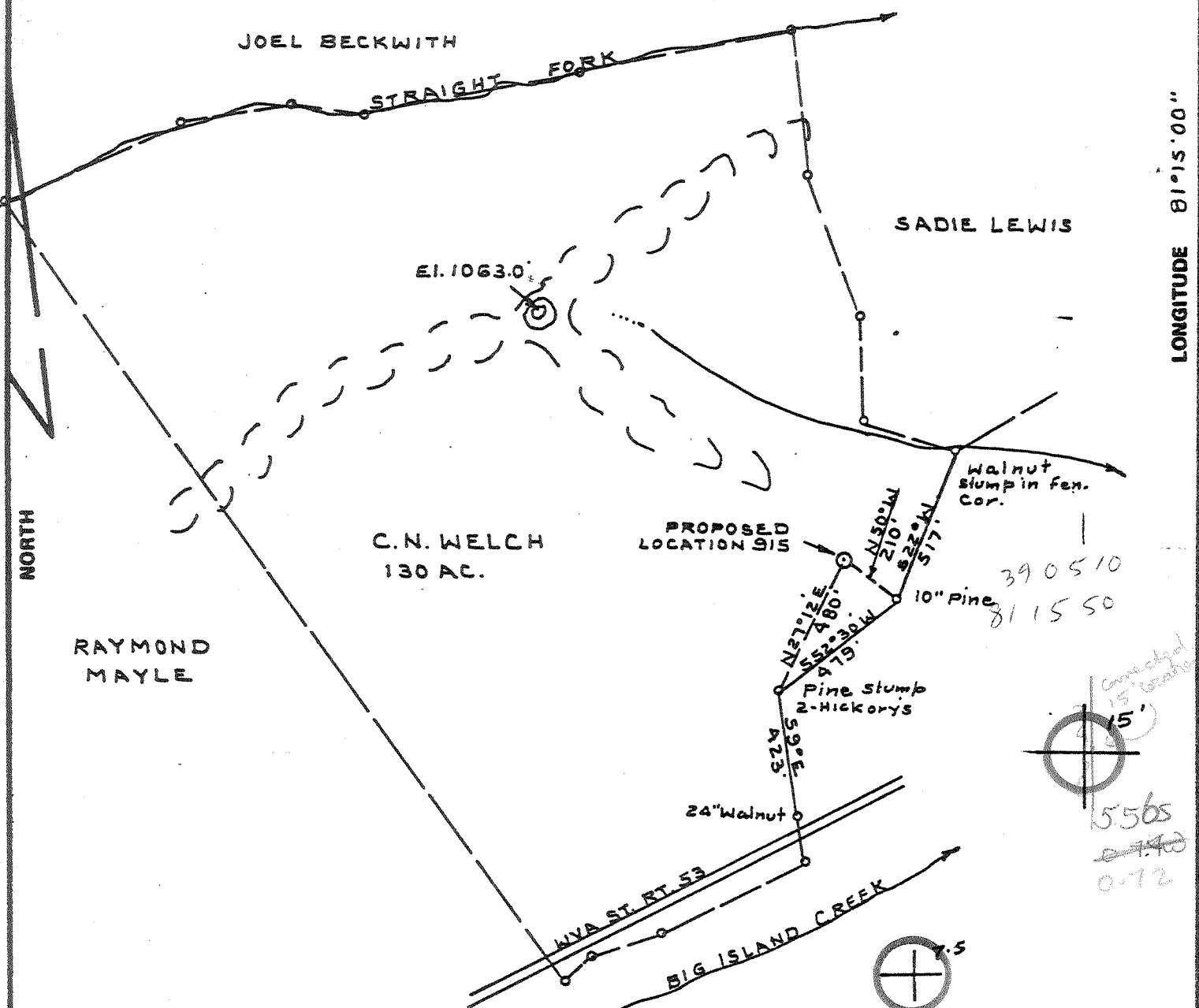
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 880.38' WATERSHED BIG ISLAND CREEK  
DISTRICT CLAY COUNTY WIRT  
QUADRANGLE GIRTA 7.5' RZ 15' Elizabeth EC  
SURFACE OWNER DENNIS ACREAGE 130  
OIL & GAS ROYALTY OWNER C.N. WELCH LEASE ACREAGE 130  
LEASE NO. 48562

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Plugged 4/1/81

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Dev Shale ESTIMATED DEPTH 4500  
WELL OPERATOR RAY RESOURCES DIV. BVX DESIGNATED AGENT Same  
ADDRESS 630 COMMERCE SQUARE ADDRESS \_\_\_\_\_  
CHARLESTON WVA

AUG 31 1981

3750'  
 LATITUDE 39° 07' 30"  
 39° 10'



FILE NO. BK 59 P 26  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1-200'  
 PROVEN SOURCE OF ELEVATION U.S.G.S TOP Knob North of Location El 1063

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) C. S. Valley Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 92

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE Jan 24, 1981  
 OPERATOR'S WELL NO. 915  
 API WELL NO. 47-105-0901  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 880.38' WATER SHED BIG ISLAND CREEK  
 DISTRICT CLAY COUNTY WIRT  
 QUADRANGLE GIRTA 7.5' E 2 15' EC  
 SURFACE OWNER DEHNIS ACREAGE 130  
 OIL & GAS ROYALTY OWNER C.N. WELCH LEASE ACREAGE 130  
 LEASE NO. 48562  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Dev Shale ESTIMATED DEPTH 4500  
 WELL OPERATOR RAY RESOURCES DIV. BVX DESIGNATED AGENT Same  
 ADDRESS 630 COMMERCE SQUARE ADDRESS \_\_\_\_\_  
CHARLESTON WVA

FEB 24 1981

3-0

0



**RECEIVED**

MAY 13 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

**Oil and Gas Division**

**WELL RECORD**

Quadrangle Girta 7.5  
Permit No. 47-105-0901-P

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Ray Resources  
Address 630 Commerce Sq. Charleston, WV  
Farm Welch Acres 130  
Location (waters) Big Island Creek  
Well No. 915 Elev. 880.38  
District Clay County Wirt  
The surface of tract is owned in fee by Dennis

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	26.24		
9 5/8	303.90		
8 5/8			
7	2061.69		
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address \_\_\_\_\_  
Mineral rights are owned by C. N. Welch  
Address Parkersburg, WV  
Drilling Commenced 3/14/81  
Drilling Completed 4/1/81  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production 0 cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Attach copy of cementing record.

Well treatment details:  
Plugged & Abandoned

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 110' Feet \_\_\_\_\_ Salt Water 1830' Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale & Red Rock	Grey Red	Med. Soft	0	1715		
Lime			1715	1825		
Injun Sand			1825	1845		
Shale Red Rock			1845	1860		
Squaw Sand			1860	1925		
Sand & Shale	Grey	Med. Soft	1925			
Lime Onondaga	White Grey	Med.	5550			

*HAMP.*  
*HPD - Base of GDR.*  
*tops taken from correlation with new wells*  
 1890  
 260  
 210  
 1790  
 1190  
 110  
 2270  
 H 3570  
 J 4520  
 A 4720  
 R 5020  
 Sm 5420  
 Mdx. 5510  
 Gen. 5540.  
 OK Fido  
 85

5550  
1825  
3725

AUG 31 1981

RECEIVED

MAY 06 1981

App'd

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	• Remarks

Date

May 11, 1981

APPROVED

[Signature]

Owner



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MAY 13 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

**Oil and Gas Division**  
**WELL RECORD**

Quadrangle Girta 7.5  
Permit No. 47-105-0901-P

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Ray Resources  
Address 630 Commerce Sq. Charleston, WV  
Farm Welch Acres 130  
Location (waters) Big Island Creek  
Well No. 915 Elev. 880.38  
District Clay County Wirt  
The surface of tract is owned in fee by Dennis

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	26.24		
9 5/8	303.90		
8 5/8			
7	2061.69		
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address \_\_\_\_\_  
Mineral rights are owned by C. N. Welch  
Address Parkersburg, WV  
Drilling Commenced 3/14/81  
Drilling Completed 4/1/81  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production 0 cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details:

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Attach copy of cementing record.

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Fresh water 110' Feet \_\_\_\_\_ Salt Water 1830' Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

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Shale Red Rock			1845	1860		
Squaw Sand			1860	1925		
Sand & Shale	Grey	Med. Soft	1925			
Lime	White Grey	Med.	5550			ONONDAGA

JUN 4 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JAN 26 1981

Oil and Gas Division  
OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINES

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

DATE January 26, 1981

Surface Owner Mr. Dennis  
Address Elizabeth, WV  
Mineral Owner C.N. Welch  
Address Parkersburg, WV  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Ray Resources Div. BVX (U.S.) Inc.  
Address 630 Commerce Sq., Chas., WV 25301  
Farm C.N. Welch Acres 130  
Location (waters) Big Island Creek  
Well No. 915 Elevation 880.38  
District Clay County Wirt  
Quadrangle Girta 7 1/2'

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 9-29-81.

INSPECTOR  
TO BE NOTIFIED Paul Goodnight  
ADDRESS Smithville, WV  
PHONE 477-3660

Paul Goodnight  
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 \_\_\_\_\_ 19\_\_\_\_ by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

\_\_\_\_\_  
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,  
(Sign Name) J. Craig Corbett  
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

47-105-0901

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 1, Section 12-b and will carry out the specified requirements."

Signed by J. Craig Corbett

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

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Ray Resources Div. BVX (U.S.), Inc. NAME Smokey Stover  
 ADDRESS Charleston, WV ADDRESS Culloden, WV  
 TELEPHONE 344-8393 TELEPHONE 743-9067  
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY \_\_\_\_\_ CABLE TOOLS XX  
 PROPOSED GEOLOGICAL FORMATION: Shale  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS xx 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			
9 - 5/8			
8 - 5/8	250	250	To Surface
7	1600	1600	100 Sacks
5 1/2			
4 1/2		4500	200 Sacks
3			Perf. Top
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? \_\_\_\_\_ 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

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

None COAL OPERATOR OR OWNER	Ray Resources Division Bow Valley Exploration (U.S.) Inc. NAME OF WELL OPERATOR
ADDRESS	630 Commerce Sq. Charleston, WV 25301 COMPLETE ADDRESS
None COAL OPERATOR OR OWNER	C. N. Welch April 16 19 81 WELL AND LOCATION
ADDRESS	Clay District
C. N. Welch LEASE OR PROPERTY OWNER	Wirt County
Parkersburg, WV ADDRESS	Well No. 915
	C. N. Welch Farm

STATE INSPECTOR SUPERVISING PLUGGING Paul Goodnight Smithville, WV

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Kanawha } ss:

L. C. King and J. A. Ray  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Ray Resources Div. of BVX well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of April, 19 81, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
	Mud T.D. 5598-3500			9 5/8 @ 283'
	Cement 3500-3400			
	Mud 3400-1040			
	Cement 1040-940			
	Mud 940-350			
	Cement 350-250			
	Mud 250-100			
	Cement 100-surface			
	Ran 2061' of 7" csg. cut & pulled 1046'			
COAL SEAMS				
(NAME)				
(NAME)				
(NAME)				
(NAME)				
				DESCRIPTION OF MONUMENT

and that the work of plugging and filling said well was completed on the 1st day of April, 19 81.

And further deponents saith not.

Sworn to and subscribed before me this 30th day of April, 19 81.

My commission expires:

7/25/88

*L. C. King*  
*J. A. Ray*  
*Helen Mae Snodgrass*  
Notary Public.

Permit No. 47-105-0901