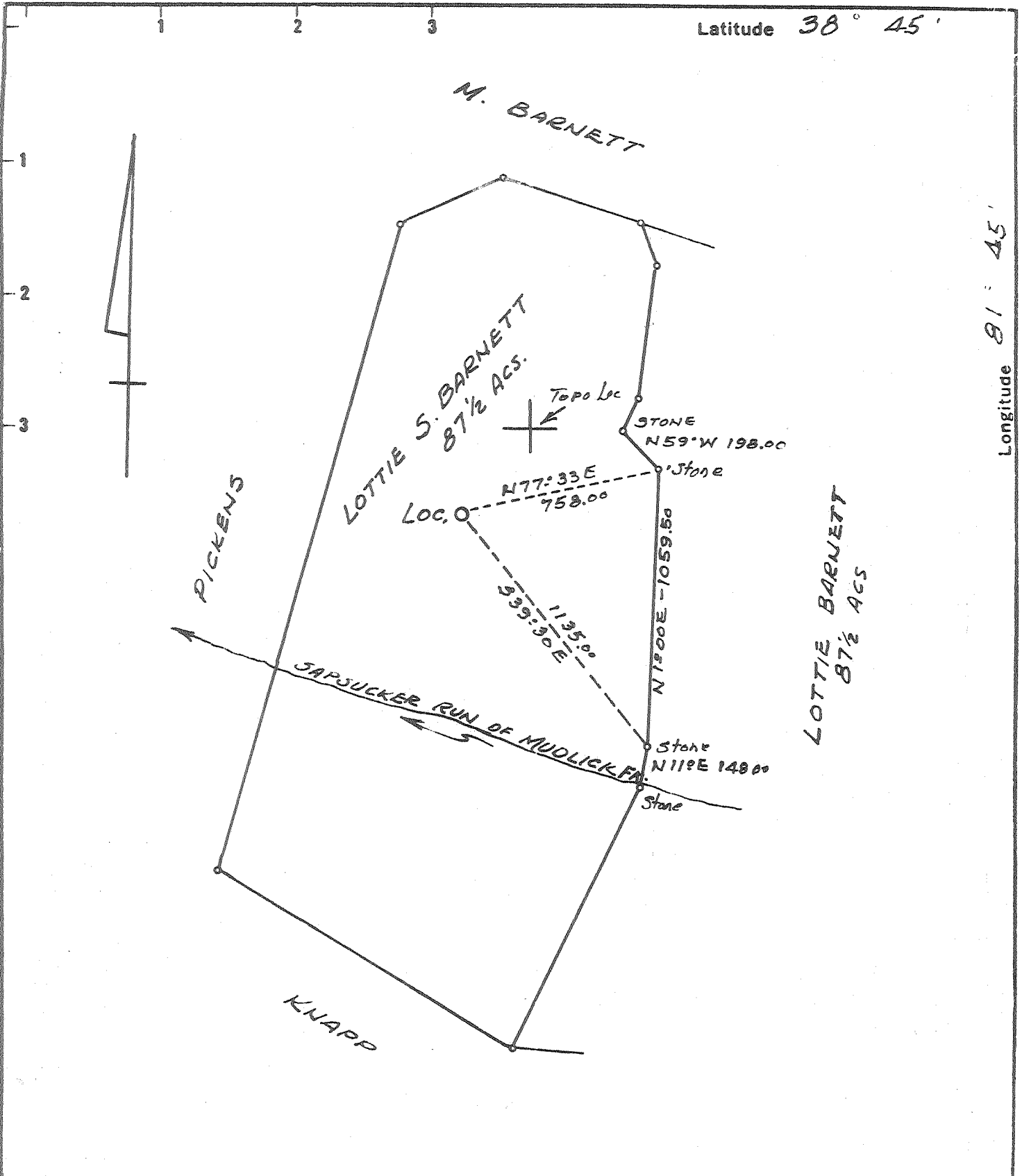


Latitude 38° 45'

Longitude 81° 45'



New Location
 Drill Deeper
 Abandonment

issued 3/30/73

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. El. 970 Road Intersection S.W. OF Well Loc
 "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"

Company *R. & S. GAS & OIL INC.*
 Address *510 COMMERCE Sq. CHARLESTON, W.Va*
 Farm *LOTTIE S. BARNETT*
 Tract Acres *87 1/2* PART OF 150 Acs. Lease No.
 Well (Farm) No. *2* Serial No.
 Elevation (Spirit Level) *870.0*
 Quadrangle *WINFIELD NE*
 County *MASON* District *UNION*
 Engineer *N. L. Sefton*
 Engineer's Registration No. *1832*
 File No. Drawing No.
 Date *2-24-73* Scale *1" = 500'*

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINE,
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. *MAS-116-P*

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

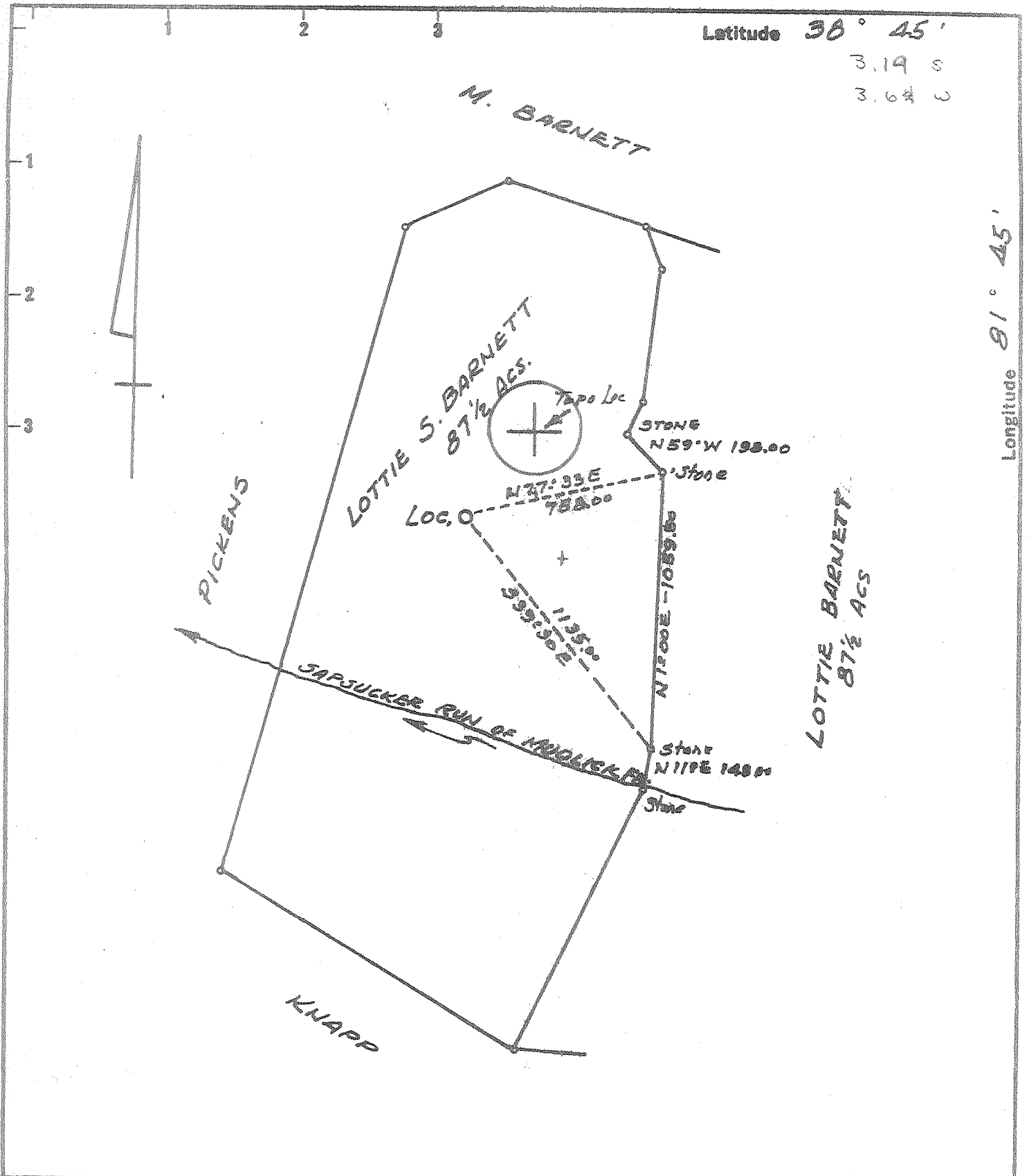
- Denotes one inch spaces on border line of original tracing.

Latitude $38^{\circ} 45'$

3.14 S

3.64 W

Longitude $81^{\circ} 45'$



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure LIN 200
 Source of Elevation U.S.G.S. El. 970 Road Intersection S.W. of Well Loc
 "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."

Company R. & S. GAS & OIL INC.
 Address 510 COMMERCE Sq. CHARLESTON, W.V.
 Farm LOTTIE S. BARNETT
 Tract _____ Acres 87 1/2 PART OF 160 ACS. Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 870.0
 Quadrangle WINFIELD NE
 County MASON District UNION
 Engineer N. L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 2-24-73 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. MAS-116

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

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

5-0 Rockcastle (346) Deep Well Creabure MAR 5 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORDS

RECEIVED
APR 18 1973

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Winfield

Permit No. Mas-116P

Company R & S Gas & Oil Inc.
Address 2702 Deseret Dr., Chas., W. Va.
Farm Lottie Barnette Acres 150
Location (waters) Sapsucker Run
Well No. 2 Elev. 884 KB
District Union County Mason
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 3-14-73
Drilling Completed 3-29-73
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13XXX	24'	24'	3-14-73 16sks
9 5/8			
8 5/8	2588'	2588'	3-25-73 160sks Dow
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
				35		
Sand			35	65		
Shale			65	145	damp	120'
Red Shale			145	455		
Shale & Red Rock			455	895		
Shale & Sand			895	1520	water	1050
Sand			1520	1614		
Shale & Sand			1614	1765		
Sandy Shale			1765	1806		
Sand & Shale			1806	1834		
Lime			1834	1880		
Big Lime			1880	2012		
Lime & Shale			2012	2020		
Sand & Lime			2020	2135		
Sand & Shale			2135	2265		
Shale, grey			2265	2500		

(over)

* Indicates Electric Log tops in the remarks section.

APR 30 1973

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Coffee Shale			2500	2535		
Berea			2535	2545		
Shale			2545	4762		
Corniferous			4762	4845		
Oriskany			4845	4875		
Lime & Dolomite			4875	5560	H ₂ S & Water	5420' - Salina
<u>Newburg</u>			5560	5565		
Lime & Shale - <i>McKenzie</i>			5565			
Total Depth				5587		

5560
~~882~~
 4678

4762
 389
 309

Date 4-2-73, 19

APPROVED R & S Gas & Oil, Inc., Owner

By Gene Haney, Cons. Geol.
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
FEB 27 1973

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Lottie S. Barnette
Address Leon, W. Va.
Mineral Owner Lottie S. Barnette
Address Leon, W. Va.
Coal Owner unknown
Address _____
Coal Operator _____
Address _____

DATE February 27, 1973
Company R & S Gas & Oil, Inc.
Address 2702 Deseret Drive
Farm Lottie Barnette Acres 150
Location (waters) Sapsucker Run
Well No. 2 Elevation 870
District Union County Mason
Quadrangle Winfield

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 6-27-73.

Robert L. Ford
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
Barboursville, W. Va. PH: 736-4885

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 Sept 12 1972 by Lottie Barnette made to Allen Beard and recorded on the 24th day of Jan 1973, in ~~XX~~ Mason County, Book 36 Page 311
X 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.

Very truly yours, R & S Gas & Oil, Inc.

(Sign Name) W. Stalner
Well Operator

Address
of
Well Operator

2702 Deseret Drive
Street
Charleston
City or Town
W. Va.
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.

BOND DRILL

Mas-116 PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Bardette Drilling Co. NAME W. C. Stalnaker
 ADDRESS Spring street/ Chas. W. Va. ADDRESS 2702 Deseret Drive
 TELEPHONE _____ TELEPHONE 344-1298
 ESTIMATED DEPTH OF COMPLETED WELL: 5650' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg
 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	60'	yes	
9 - 5/8			
8 - 5/8	2650'	yes	cement to surface
7			
5 1/2	5650'	100 bags	
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS none known
 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 DIVISION

RECEIVED

APR 18 1973

OIL & GAS DIVISION
WELL OF MINES

AFFIDAVIT OF PLUGGING AND FILLING

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.

COAL OPERATOR OR OWNER	R & S Gas & Oil, Inc.
ADDRESS	2702 Deseret Dr. Charleston, W. Va.
COAL OPERATOR OR OWNER	April 2 19 73
ADDRESS	WELL AND LOCATION
LEASE OR PROPERTY OWNER	Union District
ADDRESS	Mason County
	Well No. 2
	Lottie Barnette Farm

STATE INSPECTOR SUPERVISING PLUGGING... Kenneth Butcher, Barboursville, W. Va.

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Kanawha } ss:

William A. Weekley and R. L. Dillon
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 Pace, Preble & Poole & Dowell, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31 day of March, 19 73, 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
5587 - 3960	6% Jel			
3960 - 3640	Cement			
3640 - 2640	6% Jel			
2640 - 2440	Cement			
2440 - 1640	6% Jel			
1640 - 1540	Cement			
1540 - 60	6% Jel			
60 - 0	Cement			
COAL SEAMS (NAME)	DESCRIPTION OF MONUMENT			
(NAME)	8" Nipple cemented in 11"			
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 1 day of April, 19 73.

And further deponents saith not.

Sworn to and subscribed before me this 4th day of April, 1973

My commission expires:
October 30, 1977

W. A. Weekley
R. L. Dillon
Charles J. Finner
Notary Public.

Permit No. Mas. 116 P

APR 30 1973