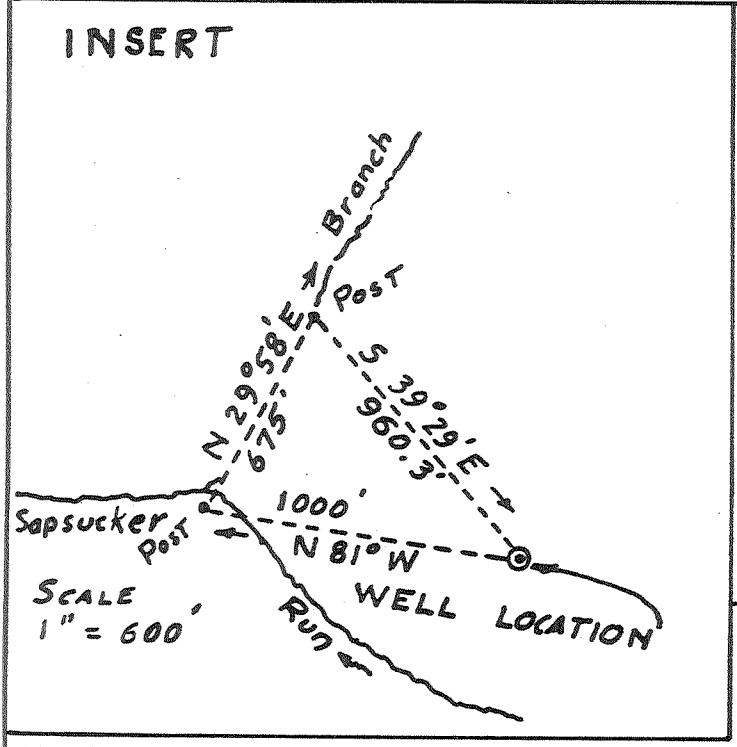


APPROX MEAN DECLINATION
JAN. 1973
3° 11'



- New Location
- Drill Deeper
- Redrill
- Abandonment

SOURCE OF ELEVATION BM 948

"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 Barnett Well #1, Group
 Address 40 Tom Graf, P.O. Box 1386 CHAR. W.V.
 Farm LOTTIE S. BARNETT 25325
 Tract _____ Acres 60 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 880.21
 Quadrangle WINFIELD (Elmwood 7.5' Oved.) NE
 County MASON District UNION
 Engineer Arthur F. Bonds
 Engineer's Registration No. 1530
 File No. S-1093 Drawing No. A
 Date JAN. 18 1973 Scale 1" = 600' (Insert)
1" = 2000'

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

WELL LOCATION MAP
FILE NO. Mac-115-P

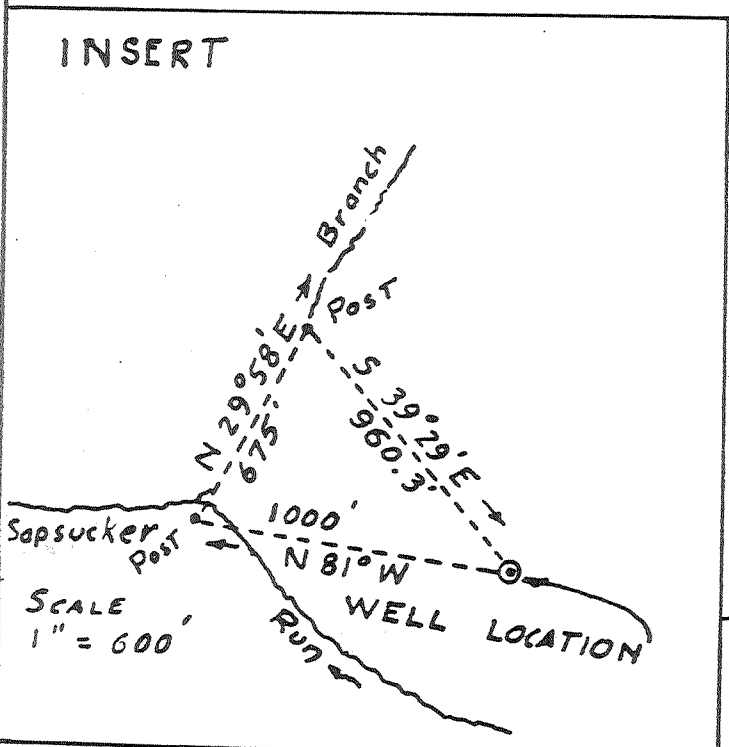
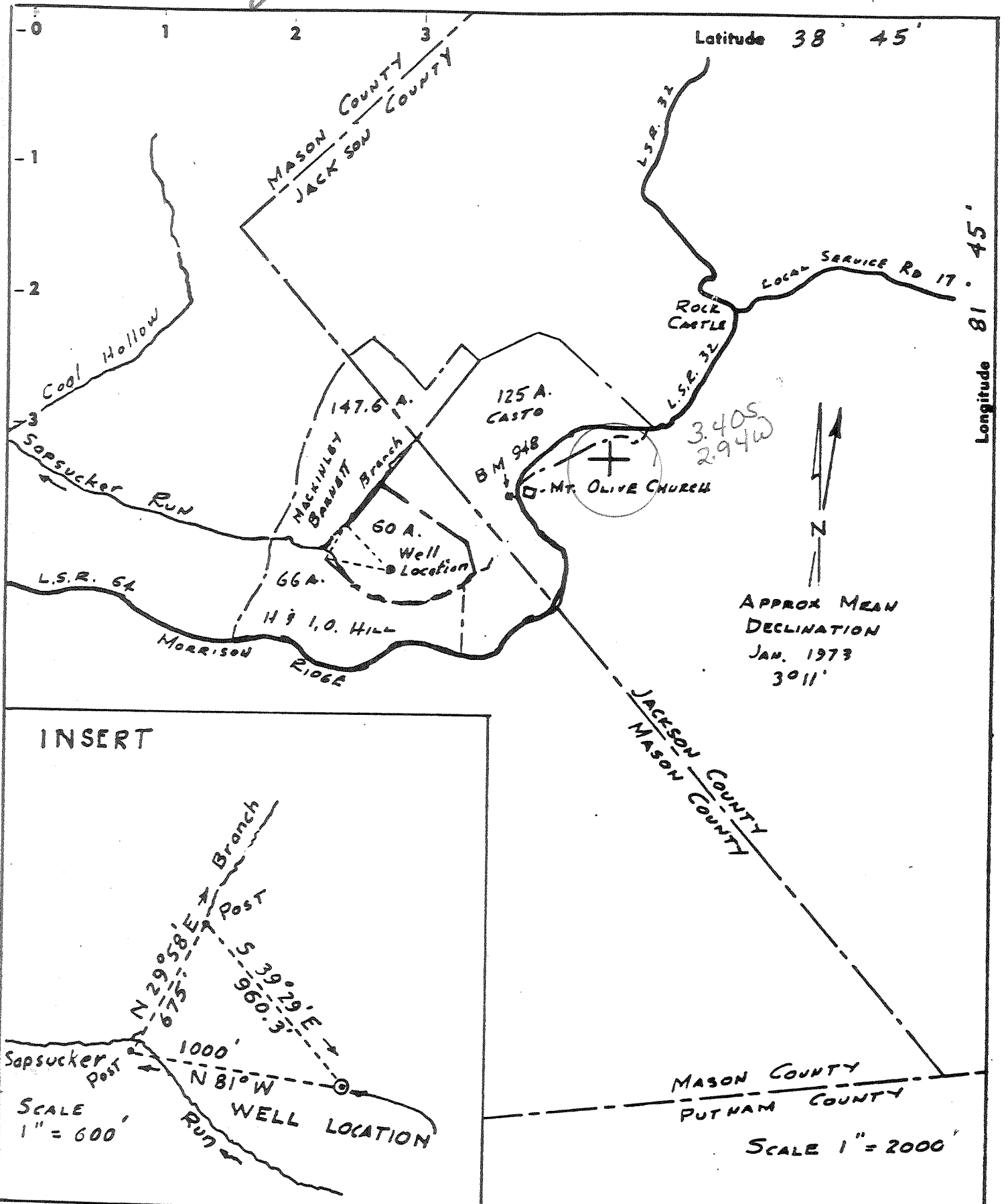
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line original tracing.

MAY 24 1973

47-053

V7730EN



New Location

Drill Deeper

Redrill

Abandonment

SOURCE OF ELEVATION BM 948

"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 Barnett Well H. I. Group

Address 40 Tom Graf, P.O. Box 1386 Char. W.V.

Farm LOTTIE S. BARNETT 25325

Tract _____ Acres 60 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 880.21

Quadrangle WINFIELD (Elmwood 7.5' Quad.) NE

County MASON District UNION

Engineer Arthur K. Bonds

Engineer's Registration No. 1530

File No. S-1093 Drawing No. A

Date JAN. 18 1973 Scale 1" = 600' (Insert)
1" = 2000'

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

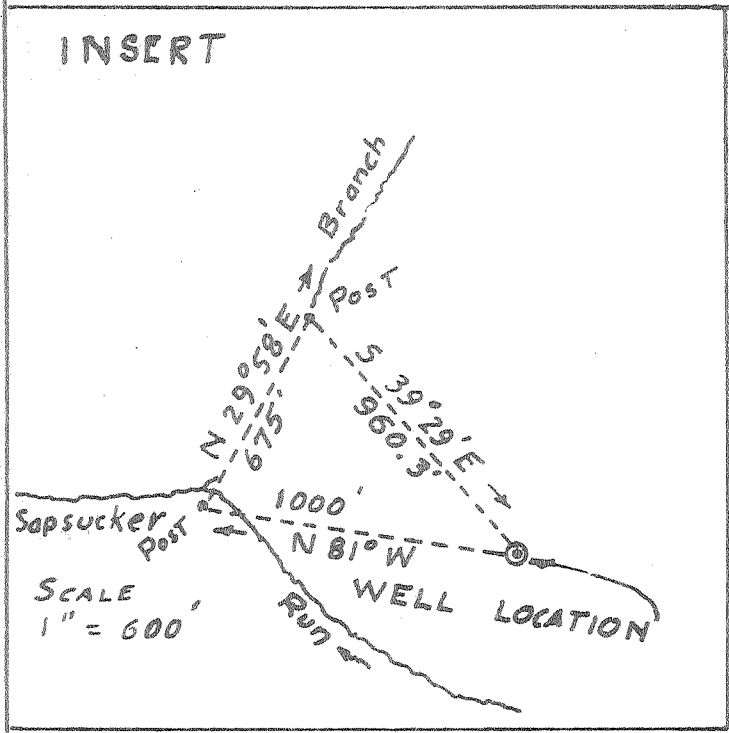
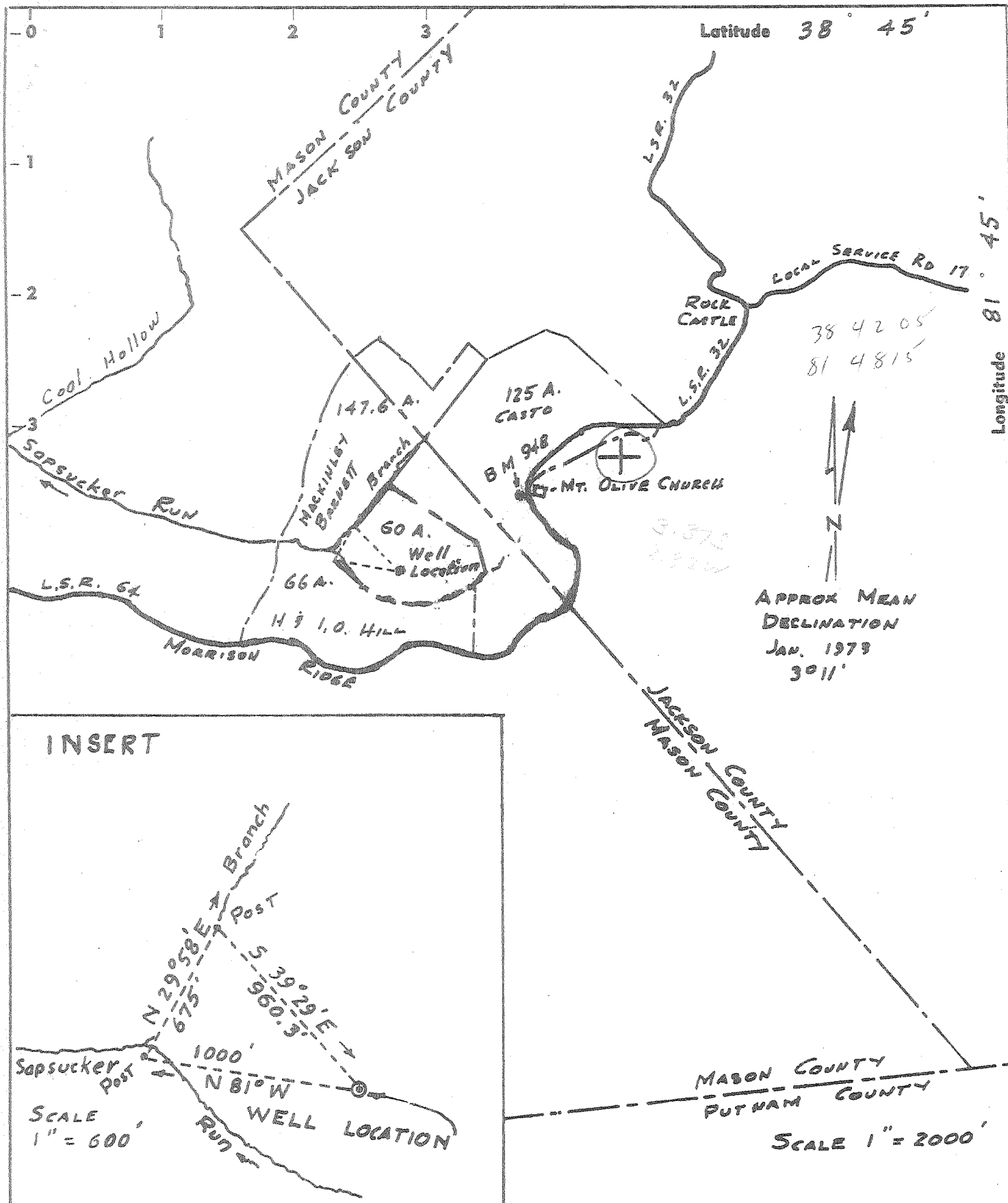
WELL LOCATION MAP
FILE NO. Mac-115-PP-Frac.

+ 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.

47-053

1981 OCT 0 8 1981



New Location
 Drill Deeper
 Redrill
 Abandonment

SOURCE OF ELEVATION BM 948

"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 and S GAS & OIL INC.
 Address 510 COMMERCE SQUARE CHAR, W.V.
 Farm LOTTIE S. BARNETT
 Tract _____ Acres 60 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 880.21
 Quadrangle WINFIELD (Elmwood 7.5' Quad.) NE
 County MASON District UNION
 Engineer Arthur K. Bonds
 Engineer's Registration No. 1530
 File No. S-1093 Drawing No. A
 Date JAN. 18 1973 Scale 1" = 600' (insert)
1" = 2000'

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

WELL LOCATION MAP
 FILE NO. Mac-115

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

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OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Winfield
Permit No. Mas - 115
47-053

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

Company R & S Gas & Oil, Inc.
Address 510 Commerce Sq. Charleston, W. Va.
Farm Lottie Barnett Acres 60
Location (waters) _____
Well No. 1 Elev. 890' E. KB
District Union County Mason
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 1-27-73
Drilling Completed 2-7-73
Initial open flow 219 M 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. 13-10'	31	31	
9 5/8			
8 5/8			
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
No Record			0	1915		
Big Lime			1915	2075		
Injun			2075			
Shale				2540		
Coffee Shale			2540	2555		
Berea			2555	2565		
Shale			2565	4830		
Corniferous			4830	4910		
Sand			4910	4920		
Cherty Limestone			4920	4928		
Oriskany			4928	4950		
Lime & Dolomite			4950	5630		
Newburg			5630	5634		
Shale & Dolomite			5634			
TOTAL DEPTH				5665		

4830 4928
2910 2910
4928 4928
219 Mcf

MCKZ

* Indicates Electric Log tops in the remarks section.

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JAN 19 1973
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 19, 1973

Surface Owner Lottie S. Barnett
Address Rockcastle, W. Va.
Mineral Owner Lottie S. Barnett
Address Rockcastle, W. Va.
Coal Owner _____
Address None Known
Coal Operator _____
Address _____

Company R & S Gas & Oil, Inc.
Address 510 Commerce Square, Chas., W. Va.
Farm Lottie S. Barnett Acres 60
Location (waters) Sapsucker Run
Well No. 1 Elevation 880.21
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 5-19-73

INSPECTOR TO BE NOTIFIED

W. Kenneth Butcher
R.F.D. #1 PH: 736-4885
Barboursville
W.V. 25504

Robert L. Hill
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 January 10 1973 by Allen Beard made to R & S Gas & Oil, Inc. 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.

Very truly yours,
(Sign Name) W. Stalmer President
Well Operator

Address of Well Operator
510 Commerce Square Street
Charleston 25301
West Virginia City or Town
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-115 PERMIT NUMBER

[Handwritten signature]

**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 Burdette Drilling Co. NAME W. C. Stalnaker
 ADDRESS 610 Spring Street, Charleston, W. Va. ADDRESS 510 Commerce Square, Chas., W. Va.
 TELEPHONE _____ TELEPHONE 344-1298
 ESTIMATED DEPTH OF COMPLETED WELL: 5,825' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newberg
 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 <u>60'</u>	"	"	Surface
9 - 5/8			
8 - 5/8 <u>2,800'</u>	"	"	Cement to Surface
7			
5 1/2 <u>5,800'</u>	"	"	100 Bags
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 200 FEET SALT WATER 1,200 FEET
 APPROXIMATE COAL DEPTHS _____
 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



Well No. 1
Farm Lottie Barnette
API # 47-53-0115 FRAC
Date 8-7-81

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

(If "Gas", Production ___ / Underground storage ___ / Deep X / Shallow ___ /

LOCATION: Elevation: 890' EKB Watershed: Sapsucker Run
District: Union County: Mason Quadrangle: Winfield

WELL OPERATOR Barnette Well No. 1 Group
Address c/o Tom Graff
P.O. Box 1386, Charleston, WV 25325

DESIGNATED AGENT D. Gene Haney
Address P. O. Box 3810
Charleston, WV 25338

OIL AND GAS ROYALTY OWNER Grant Barnette
Address Point Pleasant, WV

COAL OPERATOR None
Address _____

Acreage 60

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME _____
Address _____

SURFACE OWNER Same
Address _____

Acreage 60

NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Original Investors
Address P.O. Box 1386
Charleston, WV 25325

COAL LESSEE WITH DECLARATION ON RECORD:
NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Mr. Kenneth Butcher
Address RFD #1
Barboursville, WV 25504
Telephone (304) 736-4885

Operator plans to plug over the Newburg and frac Oriskany.

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Jan 10, 1973, to the undersigned well operator from Allen Beard through R & S Gas & Oil.

(If said deed, lease, or other contract has been recorded:)

Recorded on _____, 19___, in the office of the Clerk of County Commission of _____ County, West Virginia, in _____ Book at page _____. A permit is requested as follows:

PROPOSED WORK: Drill ___ / Drill Deeper ___ / Redrill ___ / Fracture or stimulate X / Plug off old formation X / Perforate new formation X / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Barnette Well No. 1 Group
Well Operator

By: D Gene Haney
Its: Consul.

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION Oriskany

Estimated depth of completed well 5665 feet. Rotary X / Cable tools ___ /
Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
Approximate coal seam depths: _____
Is coal being mined in this area: Yes ___ / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	13"					31'	31'		Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8					2616'	2616'		
Production	4 1/2					-	4900'		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 fracturing. This permit shall expire if operations have not commenced by 5-22-82

[Signature]
Deputy Director - Oil & Gas Division

The following waiver 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 regularions.

Date: _____, 19____.

By: _____

Its: _____

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

RECEIVED

JUN 11 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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.

COAL OPERATOR OR OWNER Barnette Well #1 Group (Formerly R & S Gas & Oil)
 ADDRESS c/o Tom Graff
 COMPLETE ADDRESS P.O.Box 1386, Charleston, WV 25325

COAL OPERATOR OR OWNER May 26 19 82
 WELL AND LOCATION Union District Mason
 LEASE OR PROPERTY OWNER Lottie S. Barnett County Rockcastle, WV
 ADDRESS Rockcastle, WV Well No. 1
Lottie S. Barnett Farm

STATE INSPECTOR SUPERVISING PLUGGING Mr. Kenneth Butcher

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Richard Kelly } ss:

Richard Kelly and Ray Nichols

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 Pool Well Service & McCullough, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24th day of May, 19 82, 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
4200 - 4000'	Cement		2 7/8"	
4000 - 3640'	Gel		3684'	1312'
3640 - 3540'	Cement			
3540 - 2640'	Gel		4 1/2"	
2640 - 2540'	Cement		3640'	1333'
2540 - 1500'	Gel			
1500 - 1400'	Cement		8 5/8"	
1400 - 700'	Gel		-	2615'
700 - 600'	Cement			
600 - 50'	Gel			
50' - Surface	Cement			
COAL SEAMS			DESCRIPTION OF MONUMENT	
(NAME)			8 5/8" Collar cemented to top w/	
(NAME)			permit # and date inscribed.	
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 26th day of May, 19 82.

And further deponents saith not.

Richard Kelly

Sworn to and subscribed before me this 8th day of June, 19 82.

Herbert K Den

My commission expires:

April 30, 1992

Notary Public.

Permit No. Mas. 115-P

053