



ROBERT A. KNAPP
176 ACS.

New Location
Drill Deeper
Abandonment

Minimum Error of Closure 1 IN 200
Source of Elevation U.S.G.S. Elev 978 Road Intersection West OF WELL LOCATION
"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 COMMERCE SQUARE, CHARLESTON, W.V.
Farm ROBERT A. KNAPP
Tract _____ Acres 176 Lease No. _____
Well (Farm) No. 1 Serial No. _____
Elevation (Spirit Level) 1033.0
Quadrangle WINFIELD NE
County MASON District UNION
Engineer N. L. Sefton
Engineer's Registration No. 1832
File No. _____ Drawing No. _____
Date 5-21-72 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. Max-112

+ 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.

5-5 Rock Castle (346)

Deep Well

JUN 16 1972



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 - 112

47-053

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

Company R & S Gas and Oil, Inc.
Address 1415 Commerce Square, Charleston, W. Va.
Farm Robert A. Knapp Acres 176
Location (waters) Mudlick Fork
Well No. 1 Elev. 1040 KB
District Union County Mason
The surface of tract is owned in fee by Same

Address _____
Mineral rights are owned by Same
Address _____
Drilling Commenced 8-12-72
Drilling Completed 9-7-72
Initial open flow _____ cu. ft. _____ bbls.
Final production E. 2-3 MM ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-1/2" 8-12-72	70	70	
9 5/8			
8 5/8	2757	2757	9-3 650 sks.
7			
5 1/2			
4 1/2	5729	5729	9-8 50 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Newburg Depth 5739 - 5742 Est.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	15		
Lime			15	25		
Shale	Red		25	35		
Lime			35	50		
Shale	Red		50	55		
Lime			55	60		
Shale			60	1100		
Sand & Shale			1100	2015		
Big Lime			2015	2220		
Injun Sand			2220	2265		
Shaley Sand			2265	2690		
Sand			2690	2705		
Shale			2705	4935		
Lime			4943	5042		
Oriskany			5042	5094		
Lime			5094	5377		
Dolomite			5377	5720		
Williamsport			5720			
TOTAL DEPTH				5764		
						Newburg 5739 - 5742 Gas
						McKZ

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JUN 14 1972

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 6-13-72

Surface Owner ROBERT A. KNAPP Company RAS GAS & OIL INC.
 Address Charleston W. Va. Address 1415 Commerce Square
 Mineral Owner Robert A. Knapp Farm Robert A. Knapp Acres 176
 Address Charleston W. Va. Location (waters) Medlick Fork
 Coal Owner None Well No. 1 Elevation 1033'
 Address _____ District Mountain Union County MASON
 Coal Operator _____ Quadrangle W. Va. Field
 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 October 13, 1972

Paul H. Todd
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
Barboursville, WV. 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 12-JAN 1972 by ROBERT A. KNAPP made to Dee Pugh & Pugh and recorded on the 19 day of JAN 1972 in Mason County, Book 35 Page 391

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1959.

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, W. A. Stalder
(Sign Name) RAS Gas & Oil Inc.
Well Operator

Address of Well Operator 1415 Commerce Square Street
Charleston W. Va. City or Town
West 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.

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

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME R.S. GAS & OIL INC NAME W.C. Stankler
 ADDRESS 1415 Commerce Square ADDRESS 2702 Deseret Dr
 TELEPHONE 247 7701 TELEPHONE 344 1298
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Nowata
 TYPE OF WELL: OIL _____ GAS 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'	"	
9 - 5/8	2600'	"	back to surface
8 - 5/8			
7	6000'		200 BAGS
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 600 FEET SALT WATER 1800 FEET
 APPROXIMATE COAL DEPTHS: 1100 ±
 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 1, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUNE 20, 1974

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 6-13-72
Company R & S GAS & OIL INC
Address 1415 COMMERCE SQUARE
Farm ROBERT A. KNAPP Acres 176
Location (waters) Medlick Fork
Well No. 1 Elevation 1033'
District Mason Union County MASON
Quadrangle W. Field

Surface Owner ROBERT A. KNAPP
Address Charleston W. Va.
Mineral Owner ROBERT A. KNAPP
Address Charleston W. Va.
Coal Owner None
Address _____
Coal Operator _____
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 October 20, 1974

Martin Nichols
INSPECTOR TO BE NOTIFIED
Clendenin, W. Va. EH: 548-4961

Robert A. Nichols
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 12-JAN 1972 by ROBERT A. KNAPP made to DR. PEGGLE & POOLE and recorded on the 19 day of JAN 1972 in MASON County, Book 25 Page 391

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, W. A. Stalder
(Sign Name) R & S GAS & OIL INC
Well Operator

Address _____
of _____
Well Operator _____
Street 1415 Commerce Square
City or Town Charleston W. Va.
State West Va

*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.

DO NOT DRILL

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

PROPOSED WORK ORDER TO DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESERVOIR & OIL INC RESPONSIBLE AGENT: W.C. Stelmaker
 ADDRESS 1415 Commerce Square ADDRESS 2702 Deseret Dr
 PHONE 342 7701 TELEPHONE 344 1298
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

PROPOSED CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
	60'	"	
	2600'	"	Back To Surface
	6000'		200 BAGS
			Perf. Top
			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 600 FEET SALT WATER 1800 FEET
 APPROXIMATE COAL DEPTHS None
 COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

DRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

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.

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 of.

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

Stelmaker

1950 0119