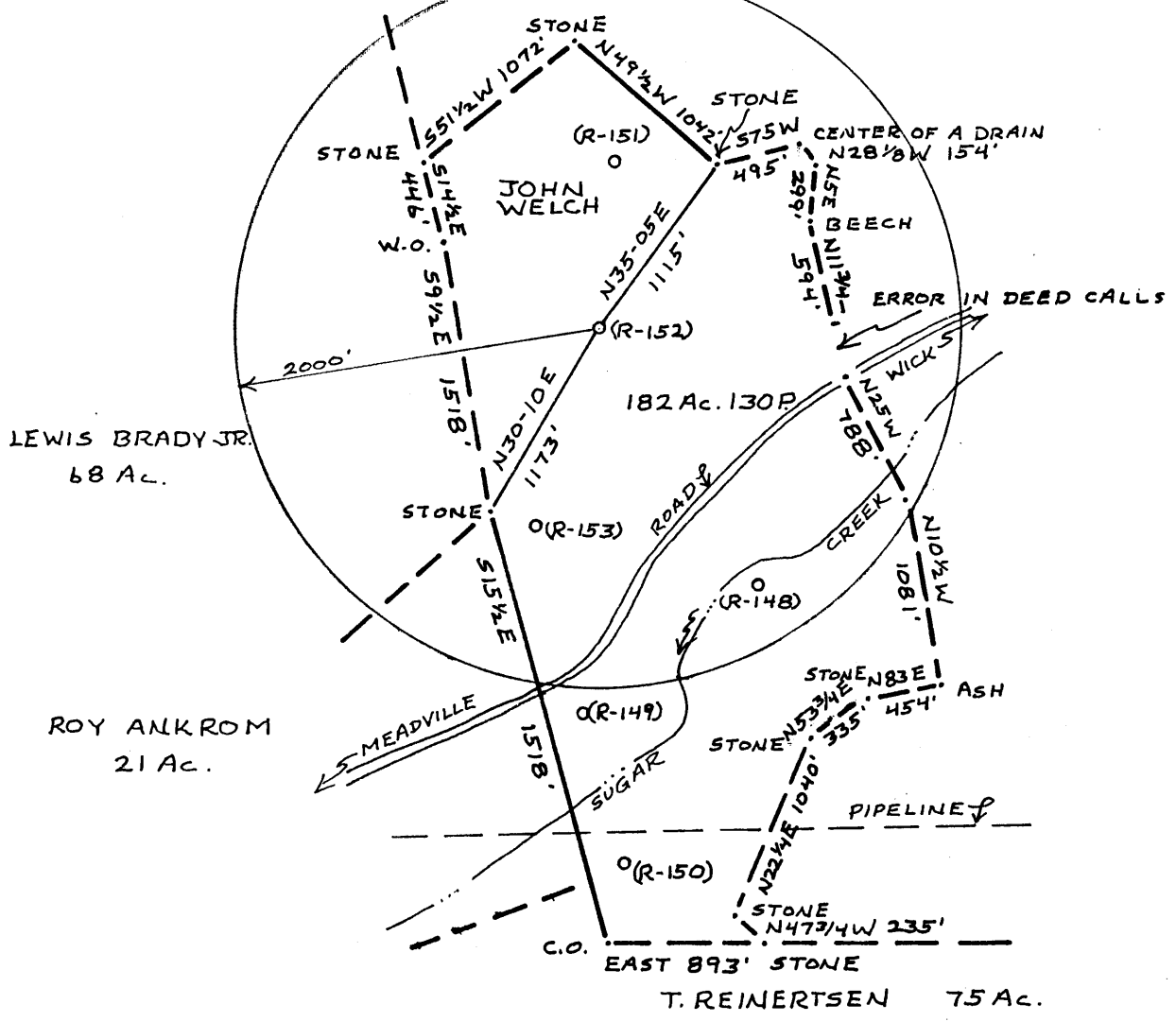


LATITUDE 39° 25'

710' SOUTH
7240' WEST

LIMIT 80° 55'
LIMIT 80° 57 1/2'

JOHN GORRELL
204 Ac.



FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION B.M. EL. 769'

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) William R. Moscoe
R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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

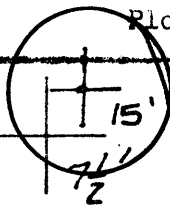


STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

DATE 13 JUNE 1979
OPERATOR'S WELL NO R-152
API WELL NO. 47-095-0709
STATE COUNTY PERMIT

Cancelled

0.149
1.37W



3.6DW
0.145

39° 25'

710' SOUTH
7240' WEST

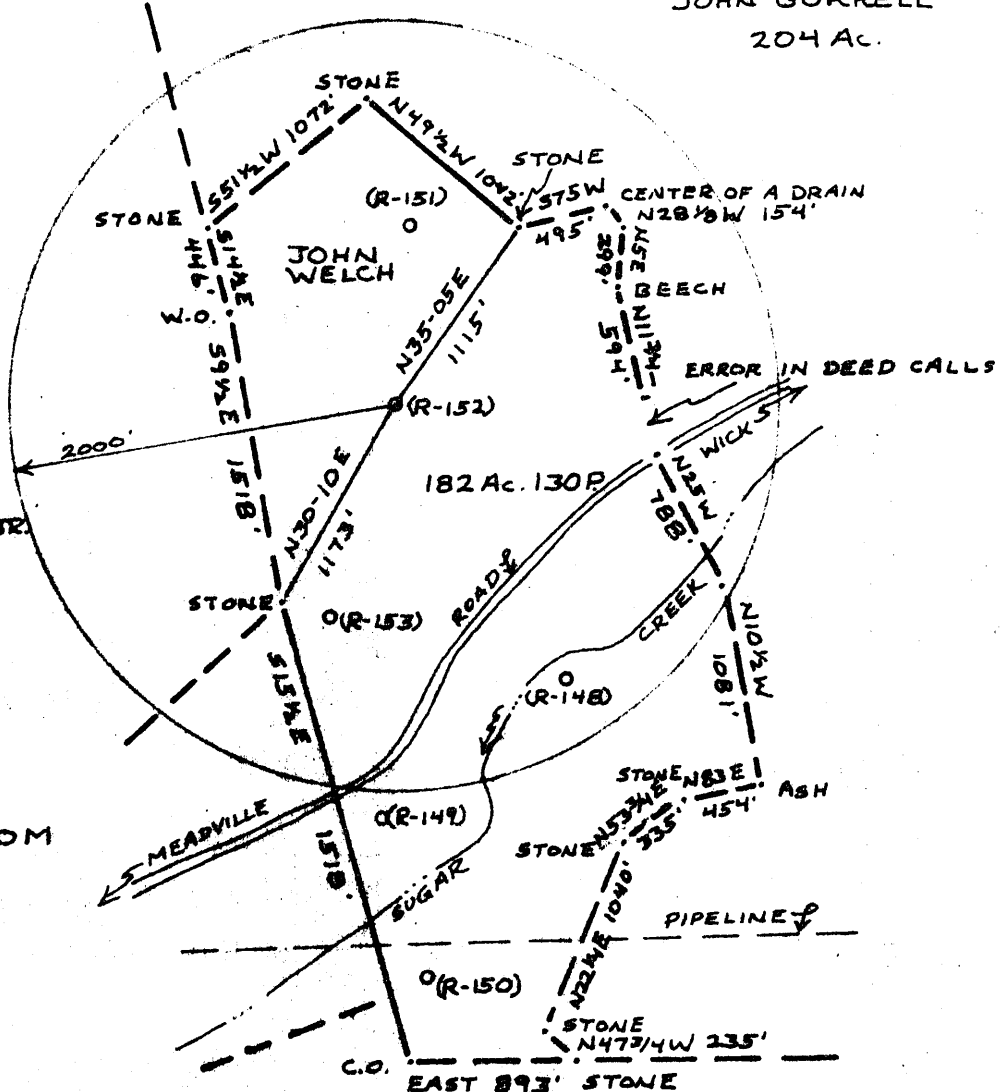
80° 55'
LONGITUDE 80° 57 1/2'

JOHN GORRELL
204 Ac.

LEWIS BRADY JR.
68 Ac.

ROY ANKROM
21 Ac.

T. REINERTSEN 75 Ac.



NORTH

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION B.M. EL. 769'

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) William R. Mason
R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

DATE 13 JUNE, 19 79
OPERATOR'S WELL NO. R-152
API WELL NO. 47-095-0709
STATE COUNTY PERMIT



REGISTERED

JUL 10 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 6-19-79

Surface Owner John Welch
 Address Wick; W. Va.
 Mineral Owner John Welch
 Address Wick, W. Va.
 Coal Owner John Welch
 Address Wick, W. Va.
 Coal Operator None
 Address _____

Company C.W. Riggs; Inc.
 Address Box 358 St. Marys, W. Va.
 Farm John Welch Acres 182Ac. 130P.
 Location (waters) Sugar Creek
 Well No. R-152 Elevation 1025'
 District Meade County Tyler
 Quadrangle Middlebourne, W. Va.

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 3-10-80.

INSPECTOR
 TO BE NOTIFIED Phillip Tracy
 ADDRESS Middlebourne, W. Va.
 PHONE 758-4573

GENTLE M. MOORE - Oil & Gas Division

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 May 24 1979 by John Welch made to Loren Bagley and recorded on the 22nd day of June 1979, in Tyler County, Book 219 Page 435

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,

PLEASE SUBMIT COPIES OF ALL

**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) Little Swiss Drilling RESPONSIBLE AGENT: C.W. Riggs, Inc.
 NAME Little Swiss Drilling NAME C.W. Riggs, Inc.
 ADDRESS Buchannon, W.Va. ADDRESS St. Marys, W.Va.
 TELEPHONE 472-6396 TELEPHONE 684-3974

ESTIMATED DEPTH OF COMPLETED WELL 3100' ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION Upper Devonian

TYPE OF WELL: OIL GAS COMB STORAGE DISPOSAL
 RECYCLING WATER FLOOD OTHER

TENTATIVE CASING PROGRAM

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT (LBS. UP OR SACKS) (CUBIC FT)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8 250'		250'	Cement Top-Bottom
7			
5 1/4			
4 1/2		3100'	200 sks.
3			Perf. Top
2			Perf. Bottom
LINERS			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 120 FEET SALT WATER 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