

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. = RD. FK. ELEV. 1046'
 BIG ISAAC 7.5' TOPO

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) Douglas P. Moats
 R.P.E. 7002 L.L.S. _____

PLACE SEAL HERE

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



DATE JUNE 22, 19 81
 OPERATOR'S WELL NO. J.F.HINKLE NO.2
 API WELL NO. 47 - 017 - 3031
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

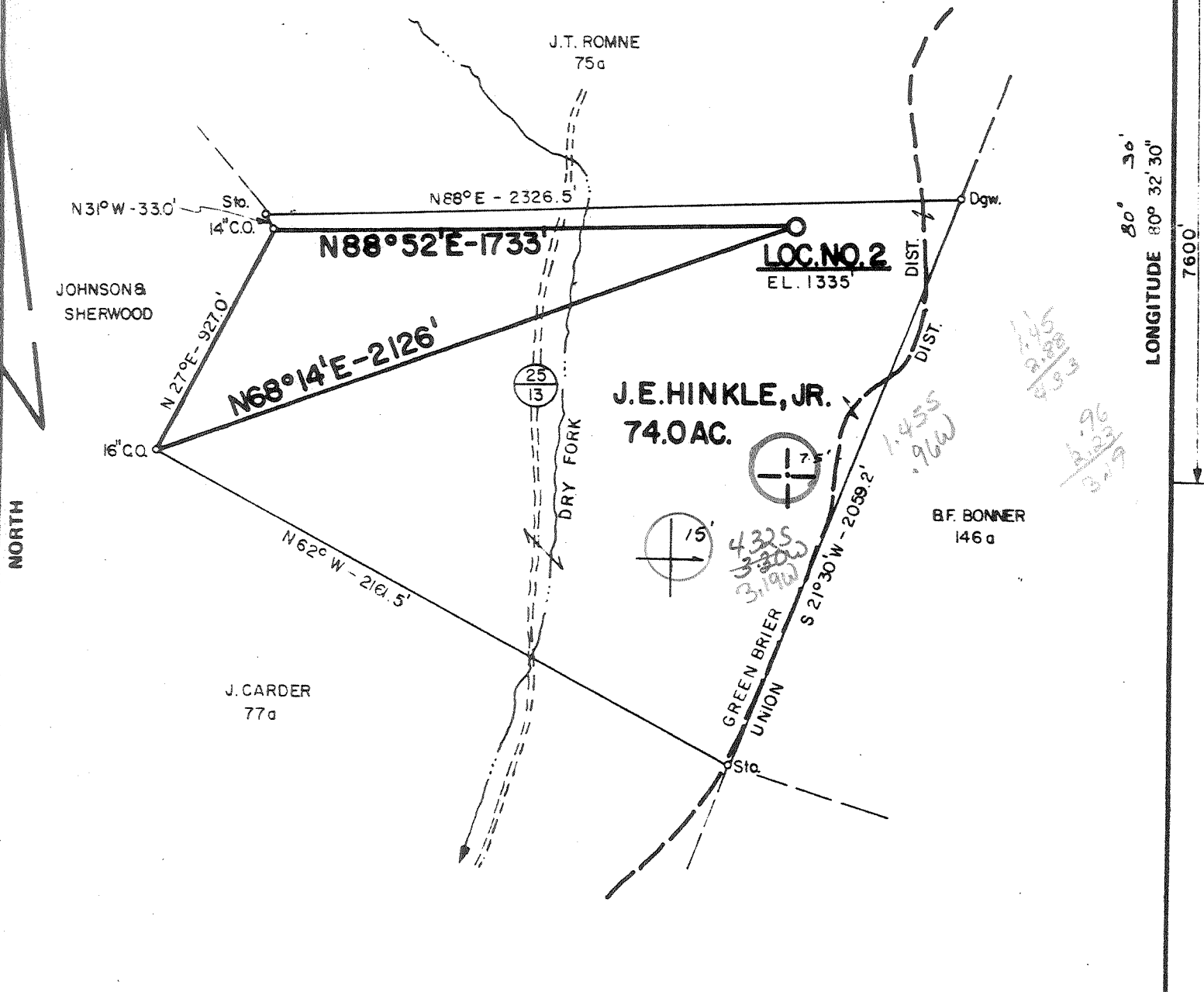
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1335' WATER SHED DRY FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' (1976)
 SURFACE OWNER J.E.HINKLE, JR. ACREAGE 74.0
 OIL & GAS ROYALTY OWNER J.E. HINKLE, JR. LEASE ACREAGE 74.0
 LEASE NO. _____
 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR STEWART PETR. c/o HANLEY & BIRD DESIGNATED AGENT BERRY, WATERS, WARNER & HARRIS
 ADDRESS 28 KENNEDY STR. ADDRESS P.O. BOX 1716
 BRADFORD, PA. 16701 CLARKSBURG, W.VA. 26301

DEC 03 1984

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M.=RD. FK. ELEV. 1046'
 BIG ISAAC 7.5' TOPO

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) Douglas P. Moats
 R.P.E. 7002 L.L.S. _____

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JUNE 22, 19 81
 OPERATOR'S WELL NO. J.F.HINKLE NO.2
 API WELL NO. 47-017-3031
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1335' WATER SHED DRY FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5' (1976) Vods NE
 SURFACE OWNER J.E.HINKLE, JR. ACREAGE 74.0
 OIL & GAS ROYALTY OWNER J.E.HINKLE, JR. LEASE ACREAGE 74.0
 LEASE NO. _____
 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR STEWART PETR. c/o HANLEY & BIRD DESIGNATED AGENT BERRY, WATERS, WARNER & HARRIS
 ADDRESS 28 KENNEDY STR. BRADFORD, PA. 16701 ADDRESS P.O. BOX 1716 CLARKSBURG, W.VA. 26301

JUL 31 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL - 6 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 July 1, 1981

Surface Owner Joseph E. & Joan M. Hinkle

Company Stuart Petroleum Co. c/o Hanley & Bird

Address 571 Worthington Dr., Bridgeport, WV 26330

Address 28 Kennedy Street, Bradford, PA 16701

Mineral Owner Joseph E. & Joan M. Hinkle/Glada Gaston

Form Joseph E. Hinkle Acres 74

Address 571 Worthington Dr., Bridgeport, WV/309 Linda Lane

Location (waters) Dry Fork

Address /Fort Walton, FL

Well No #2 Elevation 1335'

Coal Owner Eastern Associated Coal Corporation

District Greenbrier County Doddridge

Address Koppers Bldg., Pittsburgh, PA 15219

Coal Operator None

Quadrangle Big Isaac 7.5'

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 3-21-82

INSPECTOR
TO BE NOTIFIED Steven L. Casey

ADDRESS Jane Lew, West Virginia

PHONE (304) 884-7470

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 for
title thereto, (or as the case may be) under grant or lease dated April 13, 1981 by Joseph E. &
Joan M. Hinkle made to Fluharty Enterprises and recorded on the day of
1981 in Doddridge County, Book 120 Page 210.

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 addresses 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:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address
of
Well Operator

Very truly yours,
(Sign Name) *Stuart Petroleum Co. CONSULTANT*
Well Operator
Stuart Petroleum Co. c/o Hanley & Bird
28 Kennedy Street
Bradford
City or Town
Pennsylvania 16701
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

47-017- 3031

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in
Chapter 22, Article 4, Section 12-b and will carry out the specified requirements"

Signed by *Berry, Water, Warner & Harris*
By *Scott C. Hutto*
AGENT for HANLEY & BIRD

PROPOSED WORK ORDER TO X DRILL DEEPEN FRACTURE STIMULATE
 DRILLING CONTRACTOR (If Known) RESPONSIBLE AGENT:
 NAME Berry, Waters, Warner & Harris
 ADDRESS P. O. Box 1716, Clarksburg, WV 26301
 TELEPHONE 304-624-5571
 ESTIMATED DEPTH OF COMPLETED WELL 5400' ROTARY X CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL OIL GAS X COMB STORAGE DISPOSAL
 RECYCLING WATER FLOOD OTHER

PROPOSED CEMENT CEMENT PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT (BUCKETS OR SACKS - CUBIC FT.)
16			
10	30'	30'	Circulate
5/8			
5/8	1300'	1300'	Circulate
		5350'	535 Sks or as reqd. Perf. Top by rule 15.01 Perf. Bottom
			Perf. Top
			Perf. Bottom

PROXIMATE FRESH WATER DEPTHS 170 FEET SALT WATER 1100 FEET
 PROXIMATE COAL DEPTHS 300', 700'
 COAL BEING MINED IN THE AREA? No 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 1920, 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 1, 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 1, 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