

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM = RD. FRK. EL. 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. _____

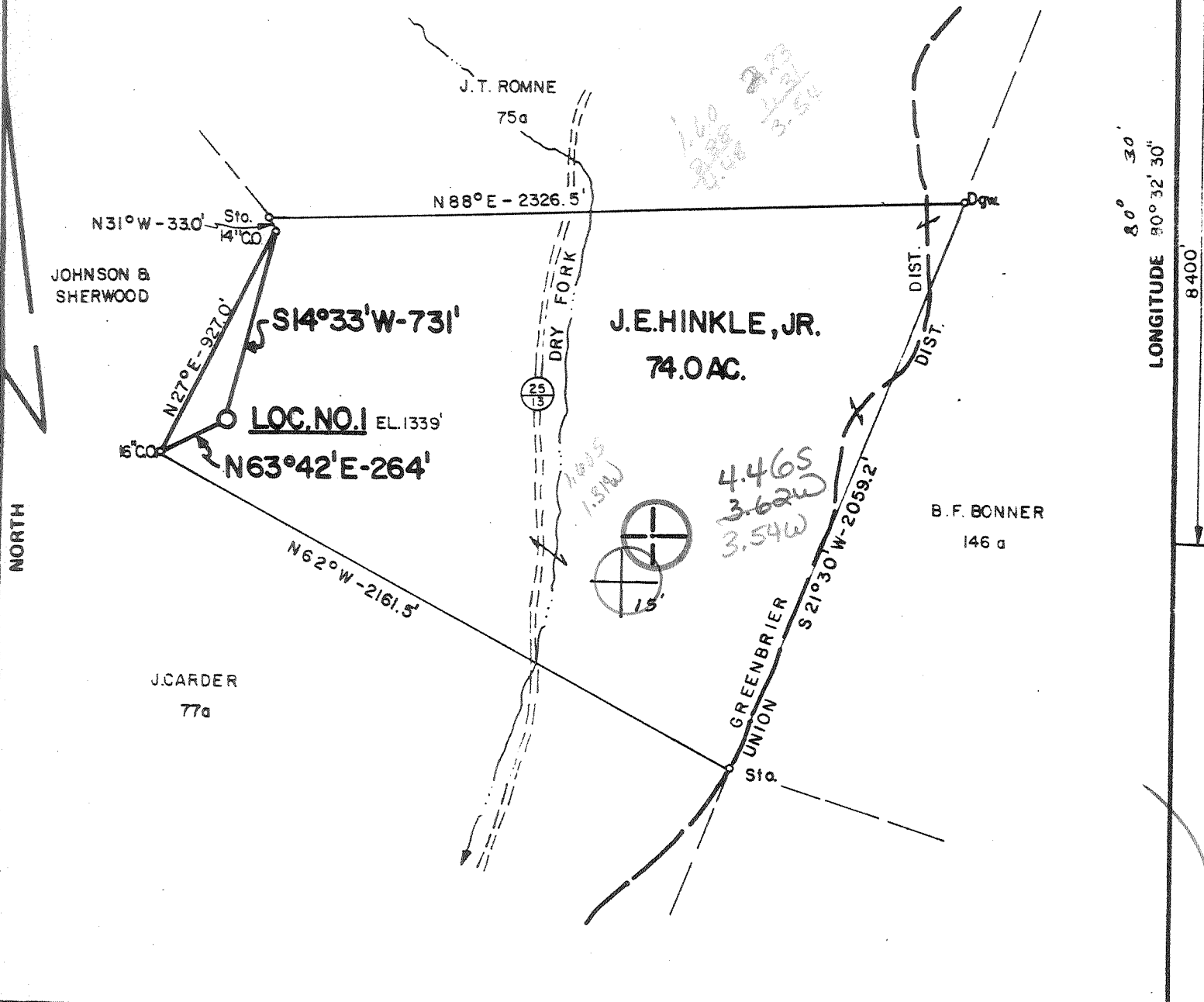
PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1339' 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 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. CO. HANLEY & BIRD DESIGNATED AGENT BERRY, WATERS, WARNER & HARRIS
 ADDRESS 28 KENNEDY STR. BRADFORD, PA. 16701 ADDRESS P.O. BOX. 1716 CLARKSBURG, W.VA. 26301

DATE JUNE 5, 1981
 OPERATOR'S WELL NO. J.E. HINKLE NO. 1
 API WELL NO. 47-017-3030
 STATE COUNTY PERMIT
 Canceled
 DEC 03 1984



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



LONGITUDE 80°32'30" 8400'

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 BIG ISAAC 7.5' TOPO

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 FORM IV-6 (8-78)



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 API WELL NO. 47 - 017 - 3030
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
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 WELL OPERATOR STEWART PETR. CO. HANLEY & BIRD DESIGNATED AGENT BERRY, WATERS, WARNER & HARRIS
 ADDRESS 28 KENNEDY STR. ADDRESS P.O. BOX 1716
BRADFORD, PA. 16701 CLARKSBURG, W.VA. 26301

JUL 31 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL - 6 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Owner Joseph E. & Joan M. Hinkle
Address 571 Worthington Dr., Bridgeport, WV 26330

Owner Joseph E. & Joan M. Hinkle/Glada Gaston
Address 571 Worthington Dr., Bridgeport, WV / 309 Linda Lane
Fort Walton, FL

Owner Eastern Associated Coal Corporation
Address Koppers Bldg., Pittsburgh, PA 15219

Operator None
Address

DATE July 1, 1981

Company Stuart Petroleum Co. c/o Hanley & Bird

Address 28 Kennedy St., Bradford, PA 16701

Form Joseph E. Hinkle Area 74

Location (waters) Dry Fork

Well No. #1 (one) Elevation 1339'

District Greenbrier County Doddridge

Quadrangle Big Isaac 7.5'

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

John B. ...
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Steven L. Casey

ADDRESS Jane Lew, West Virginia

PHONE (304) 884-7470

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee
therein, (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 _____
in _____ 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
and coal owners at their above shown respective address _____ day _____ before, or on the
_____ day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS
15 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
this 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

47-017-3030

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.

Berry Waters Wagner & Harris
Agent for Hanley & Bird

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

PROPOSED Casing Program:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT (BU) UP OR SACKS - CUBIC FT.
16			
10	30'	30'	Circulate
8			
8	1300'	1300'	Circulate
		5350'	535 SRS at as read Perf. Top by rule 15.01 Perf. Bottom Perf. Top Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 170 FEET _____ SALT WATER 1100 FEET _____
 APPROXIMATE COAL DEPTHS 300', 700'
 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 fee.

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