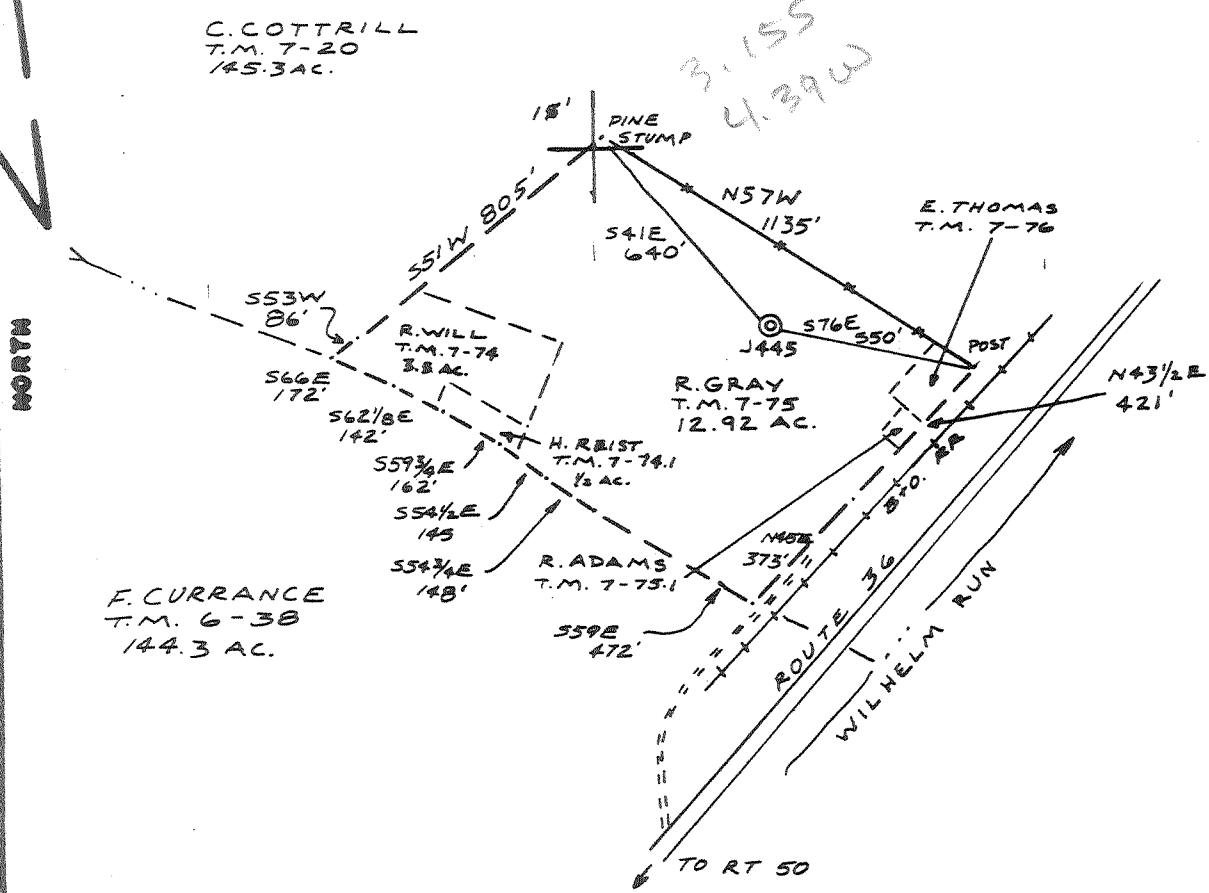


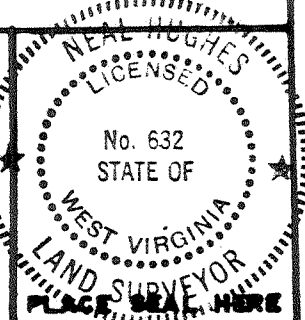
0.27 S
2.16 W

LATITUDE 80° 47' 30"
80° 45'



FILE NO. K-2
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION BM 849

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) Neal Hughes
R.P.E. _____ L.L.S. 632



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



DATE JAN 10, 19 81
OPERATOR'S WELL NO 1-445
API WELL NO. 47-017-2965
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 1013' WATER SHED WILHELM RUN
DISTRICT CENTRAL COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7 1/2' SE
SURFACE OWNER ROY GRAY ACREAGE 12.92
OIL & GAS ROYALTY OWNER V. CATHER (1/2) LEASE ACREAGE 2.4
LEASE NO. K-2
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Alexander ESTIMATED DEPTH 5000
WELL OPERATOR J+J Enterprise Inc DESIGNATED AGENT H.L. Barnett
ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

1984



C. COTTRILL
T.M. 7-20
145.3 AC.

3,145
3,005
440

15' PINE STUMP

NORTH

553W 86'

566E 172'

562 1/2 E 142'

557 3/4 E 162'

554 1/2 E 145'

554 1/4 E 148'

R. WILL
T.M. 7-74
38 AC.

541 E 640'

N57W 1135'

R. GRAY
T.M. 7-75
12.92 AC.

H. REIST
T.M. 7-74.1
1/2 AC.

R. ADAMS
T.M. 7-75.1

559 E 472'

E. THOMAS
T.M. 7-76

576 E 550'

J445 POST

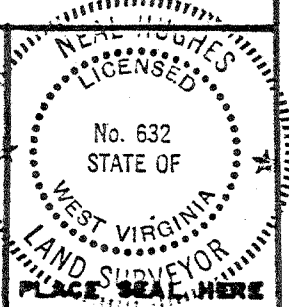
N43 1/2 E 421'

F. CURRANCE
T.M. 6-38
144.3 AC.

TO RT 50

FILE NO. K-2
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION BM 849'

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) Neal Hughes
R.P.E. _____ L.L.S. 632



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



DATE JAN 10, 19 81
OPERATOR'S WELL NO 1-445
API WELL NO. 47-017-2965
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 1013' WATER SHED WILHELM RUN
DISTRICT CENTRAL COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7 1/2' 4 1/2' SE
SURFACE OWNER ROY GRAY ACREAGE 12.92
OIL & GAS ROYALTY OWNER V. CATHER (1/2) LEASE ACREAGE 24
LEASE NO. K-2
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Alexander ESTIMATED DEPTH 5000
WELL OPERATOR J+J Enterprises, Inc DESIGNATED AGENT H.L. Barne H
ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-445 81

API Well No. 47 - 017 2965
State County Per-

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /)
LOCATION: Elevation: 1013 Watershed: Wilhelm Run
District: Central County: Doddridge Quadrangle: West Union 7.5

WELL OPERATOR J & J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett
Address P.O. Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER V. Cather, et al
Address C/O Cecil L. Cather
424 Old Shay Lane
Acreage 24 Youngstown, OH 44514

COAL OPERATOR None
Address:

SURFACE OWNER Roy Gray
Address Rt. # 1 Box 147-A
West Union, WV 26456
Acreage 12.92

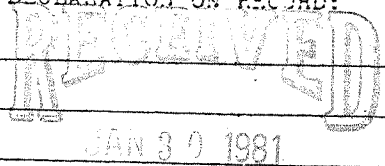
COAL OWNER(S) WITH DECLARATION ON RECORD:
Name V. Cather, et al
Address C/O Cecil L. Cather
424 Old Shay Lane
Name Youngstown, OH 44514
Address

FIELD SALE (IF MADE) TO:
Name Unknown
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Steve Casey
Address Rt. # 2, Box 232-D
Jane Lew, WV 26378

OIL & GAS DIVISION
DEPT. OF MINES



The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract X / dated 8/18, 1980, to the undersigned well operator from Key Oil Company

[If said deed, lease, or other contract has been recorded:]
Recorded on 8/22, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease Book 116 at page 565. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X /
Plug off old formation / Perforate new formation /
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 5 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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 lessee on or before the day of the mailing or delivery of this Permit 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
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 548-3000

J & J Enterprises, Inc.
Well Operator

BLANKET BOND

Peter Battles
Geologist

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company
Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5000 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 30 feet; salt, 0 feet.
Approximate coal seam depths: 0 Is coal being mined in the area? Yes No X

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, 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 § 22-4-2a from the owner of any water well or dwelling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE
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.

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 10-6-81

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

The following owner must be notified 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 regulations.

Date: , 19

By Its