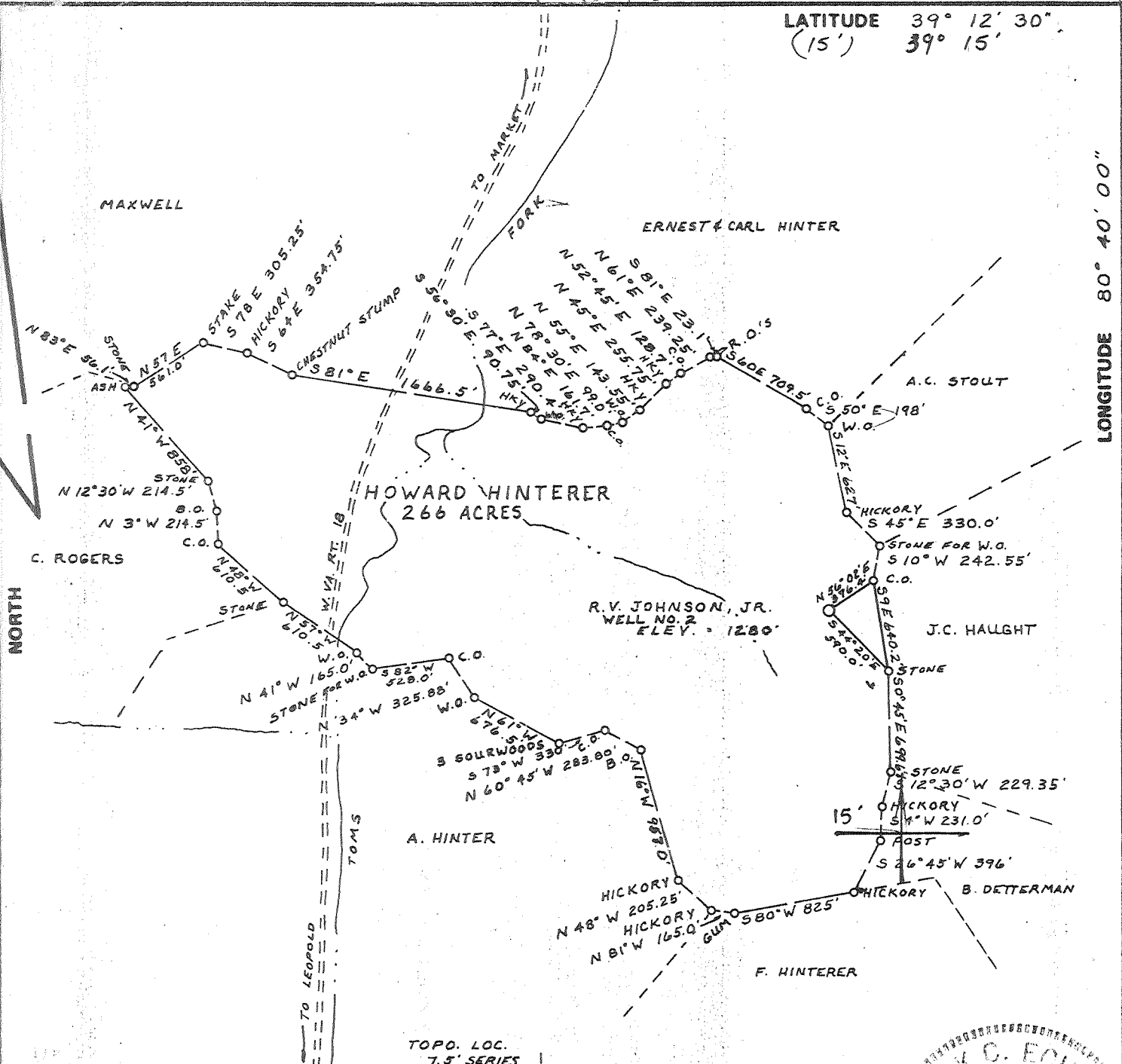


1-54

49 6-9-80 ← 8025 W

LATITUDE 39° 12' 30"
(15') 39° 15'

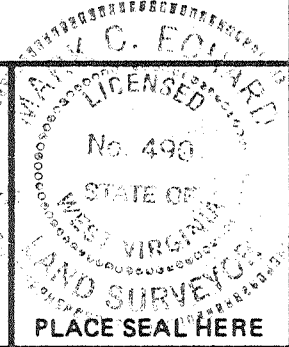
LONGITUDE 80° 40' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP KNOB ± 500'
NE OF LOCATION ELEV. = 1369'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1280' WATER SHED TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' VADIS 15'
 SURFACE OWNER MR. HOWARD HINTERER ACREAGE 266
 OIL & GAS ROYALTY OWNER MR. HOWARD HINTERER LEASE ACREAGE 266
 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 ELK ESTIMATED DEPTH 5400'
 WELL OPERATOR RUSSELL V. JOHNSON, JR. DESIGNATED AGENT GAL SMYTHE
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

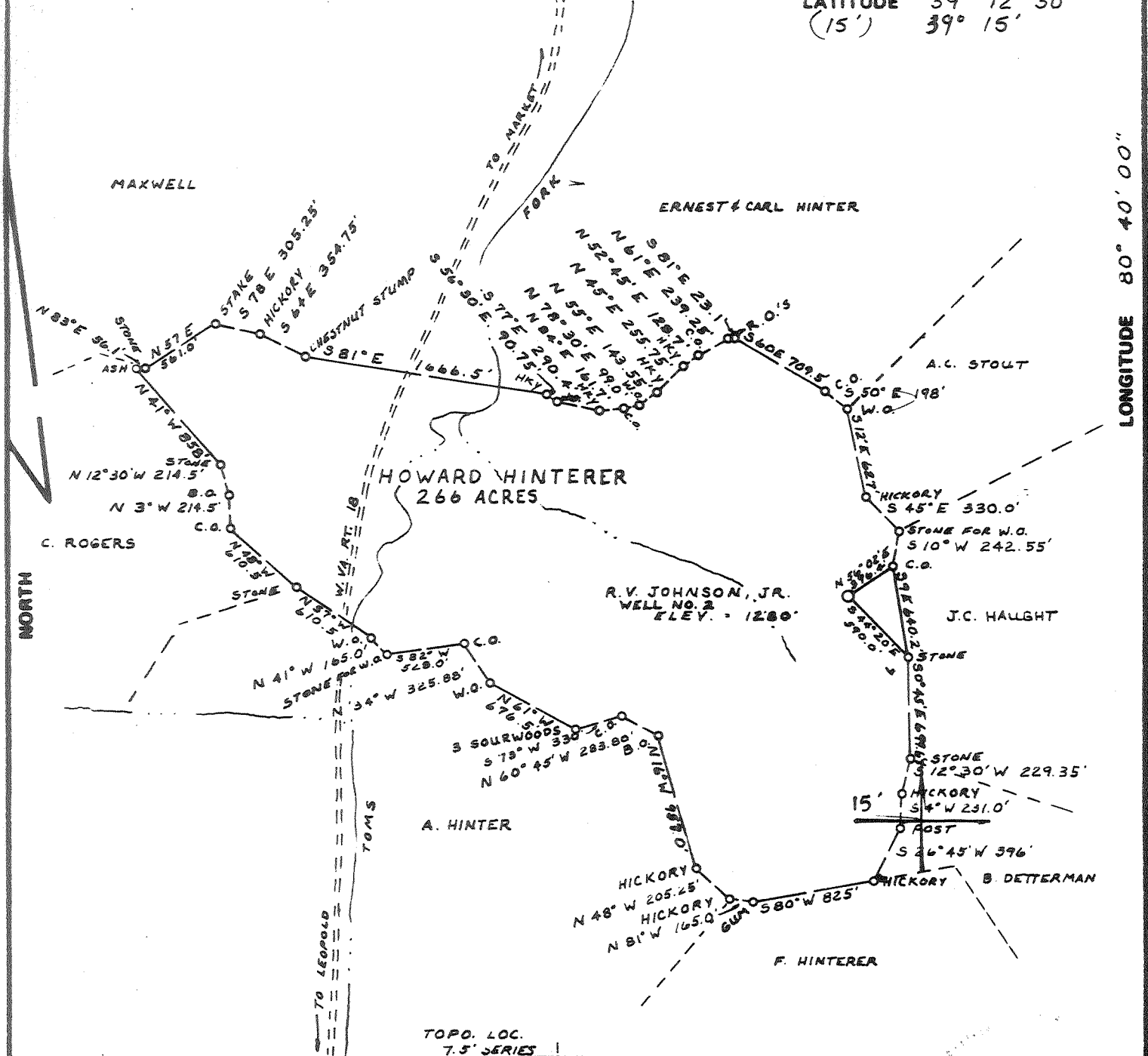
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE MAY 26, 19 80
 OPERATOR'S WELL NO. TWO
 API WELL NO. 47-017-2757-P
 STATE COUNTY PERMIT

Plugging Permit Cancelled

DEC 8 1986

Dodd - 2757-P



TOPO. LOC. 7.5' SERIES

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP KNOB ± 500'
NE OF LOCATION ELEV. = 1369'

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. *Mark C. Echard*
(SIGNED) MARK C. ECHARD
R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE MAY 26, 19 80
OPERATOR'S WELL NO. TWR
API WELL NO. _____
47-017-2757-P
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

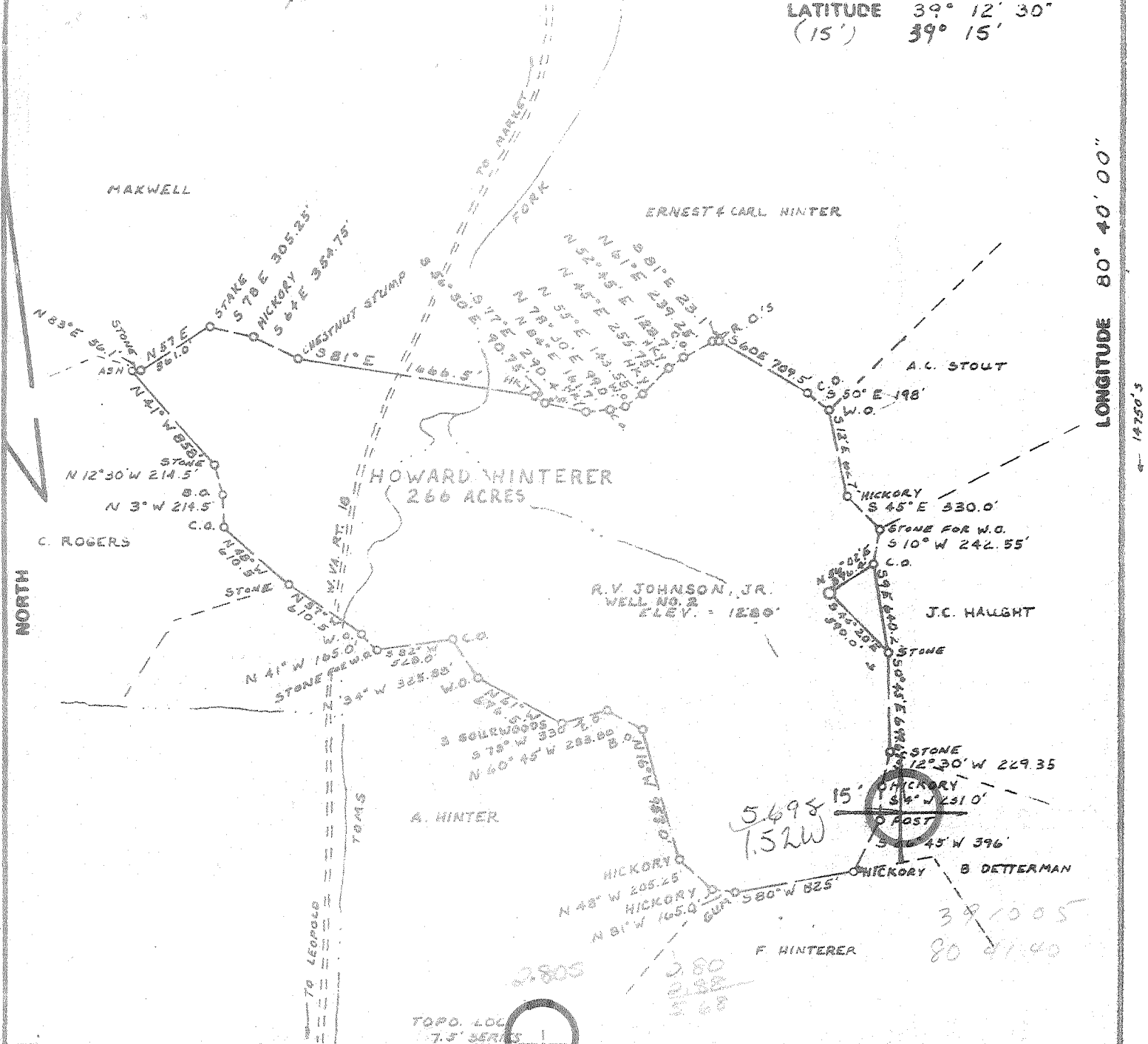
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1280' WATER SHED TOMS FORK
DISTRICT NEW MILTON COUNTY RODRIDGE
QUADRANGLE NEW MILTON 7.5' YADIS 15'
SURFACE OWNER MR. HOWARD HINTERER ACREAGE 266
OIL & GAS ROYALTY OWNER MR. HOWARD HINTERER LEASE ACREAGE 266
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 ELK ESTIMATED DEPTH 5400'
WELL OPERATOR RUSSELL V. JOHNSON, JR. DESIGNATED AGENT GAL SMYTHE
ADDRESS DRAWER "L" ADDRESS DRAWER "L"
GLENNVILLE, W.V. 26351 GLENNVILLE, W.V. 26351

OCT 09 1984

LATITUDE 39° 12' 30"
(15') 39° 15'

LONGITUDE 80° 40' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION T.O.P. KNOB ± 500'
NE OF LOCATION ELEV. = 1369'

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. Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE MAY 26, 19 80
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 017 - 2757
 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
 LOCATION: ELEVATION 1280' WATER SHED TOMS FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' VADIS 15' NW
 SURFACE OWNER MR. HOWARD WINTERER ACREAGE 266
 OIL & GAS ROYALTY OWNER MR. HOWARD WINTERER LEASE ACREAGE 266
 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 ELK ESTIMATED DEPTH 5400'
 WELL OPERATOR RUSSELL V. JOHNSON, JR. DESIGNATED AGENT GAL SMYTHE
 ADDRESS DRAWER "L" ADDRESS DRAWER "L"
GLENNVILLE, W.V. 26031 GLENNVILLE, W.V. 26031

6-6 New Milton South (307)

JUL 16 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

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

Location: New Milton
Permit No. 47-017-2757

Company: Russell V. Johnson, Jr.
Address: P.O. Drawer "L", Glenville, WV
Operator: Howard Hinterer Acres: 266
Location (waters): Brushy Fork
Well No.: Two Elev: 1280'
Township: New Milton County: Doddridge
Surface of tract is owned in fee by Howard Hinterer
Address: New Milton, WV
Drilling Commenced: 6-10-80
Drilling Completed: 6-14-80
Initial open flow: 0 cu. ft. 0 hrs.
Initial production: 420 cu. ft. per day 1.5 hrs.
Time open: _____ Hrs. before test: 670 RI

Casing and Tubing	Used in Drilling	Left in Well	Cement put up Cu. ft. (Sks)
Size 20-16			
403'	403'	403'	112 sks
2504	2504		120 sks
XXXXXXX		2414	

Well treatment details
WATER FRAC
5N 27 Gal. Perfs. 2434-2444
Sta-B 30 Gal. Total BBL 739
G-12 400 lbs. Aver. HHP 1062
HCL Acid 15% 500 gal. Aver. Rate 19.7
20/40 sand 45000 sks
20/100 sand 20000 sks

Attach copy of cementing record.
420 MCF + 2 BOPD

Material encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2387-2458

Formation	Color	Hard or Soft	Top feet	Bottom feet
Shale	Red & Gray		0	30
Sand			30	40
Shale	Red & Gray		40	50
Sand	White		50	80
Shale	Gray		80	135
Red Shale			135	170
Drillers Log - Not avail.				
Density Log:				
Shale			1900	1952
Limey Sand			1952	1999
Sand			2000	2030
Shale			2030	2050
Lime			2050	2093
Limey Shale			2093	2157
?Shale			2157	2215
Sand			2215	2238
Shaly Lime			2238	2259
Lime			2259	2288
Blue Monday			2288	2326
Lime			2326	2352
Big Lime			2352	2387
Big Injun			2387	2458
Shale			2458	2559
Weir			2559	2653
TD				2653

RECEIVED

JUL 30 1981

OIL & GAS DIVISION
DEPT. OF MINES

AUG 17 1981

Date: 13 May 1981
By: J. L. Smither

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Hinterer #2

API Well No. 47-017-2757
State County Farm

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow

LOCATION: Elevation: 1280' Watershed: Brushy Fork
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR Russell V. Johnson, Jr.
Address Drawer "L"
Glenville, WV 26351

DESIGNATED AGENT Gai L. Smythe
Address Drawer "L"
Glenville, WV 26351

OIL & GAS ROYALTY OWNER Howard Hinterer
Address New Milton, WV

COAL OPERATOR None
Address:

Acreage 266

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Howard Hinterer
Address New Milton, WV

Name N/A

Acreage 266

Name N/A

FIELD SALE (IF MADE) TO:
Name N/A

Address

Address

COAL LESSEE WITH DECLARATION ON RECORD:

Name

Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, Wv 26301
622-3871

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated February 1, 1979, by undersigned well operator from Howard Hinterer et al
[If said deed, lease, or other contract has been recorded:]

Recorded on June 13, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 108 at page 689. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
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 § 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.

RECEIVED
JUN 9 1980

BLANKET BOND

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) 348-3092

OIL & GAS DIVISION
DEPT. OF MINES

Russell V. Johnson, Jr.
Well Operator

By Gai L. Smythe
Its Partner

[08-78]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Fox Drilling
Address Glenville, WV
462-7353

GEOLOGICAL TARGET FORMATION, Big Injun (Elk)
Estimated depth of completed well, 2675(5660) feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 115 feet; salt, feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes / No X

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8-5/8		20.0	X		350 (1300)	350 (1300)	95 (333)
Coal								Sizes
Intermediate								
Production	4 1/2		9.5	X		2575 (5525)	2575 (5525)	135 sks 215 sks
Tubing								Depths set
Liners								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 § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A 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.

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 2-9-80.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed 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