

A - N80-30W, 251.64
 B - N60-56E, 245.32'
 C - S10-56E, 171.19'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1' in 200'
 PROVEN SOURCE OF ELEVATION USGS BM-ZINNIA 898' - BIG ISAAC QUAD

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) [Signature]
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

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



DATE April 28, 19 80
 OPERATOR'S WELL NO. #1
 API WELL NO. 47-017-2710
 STATE COUNTY PERMIT

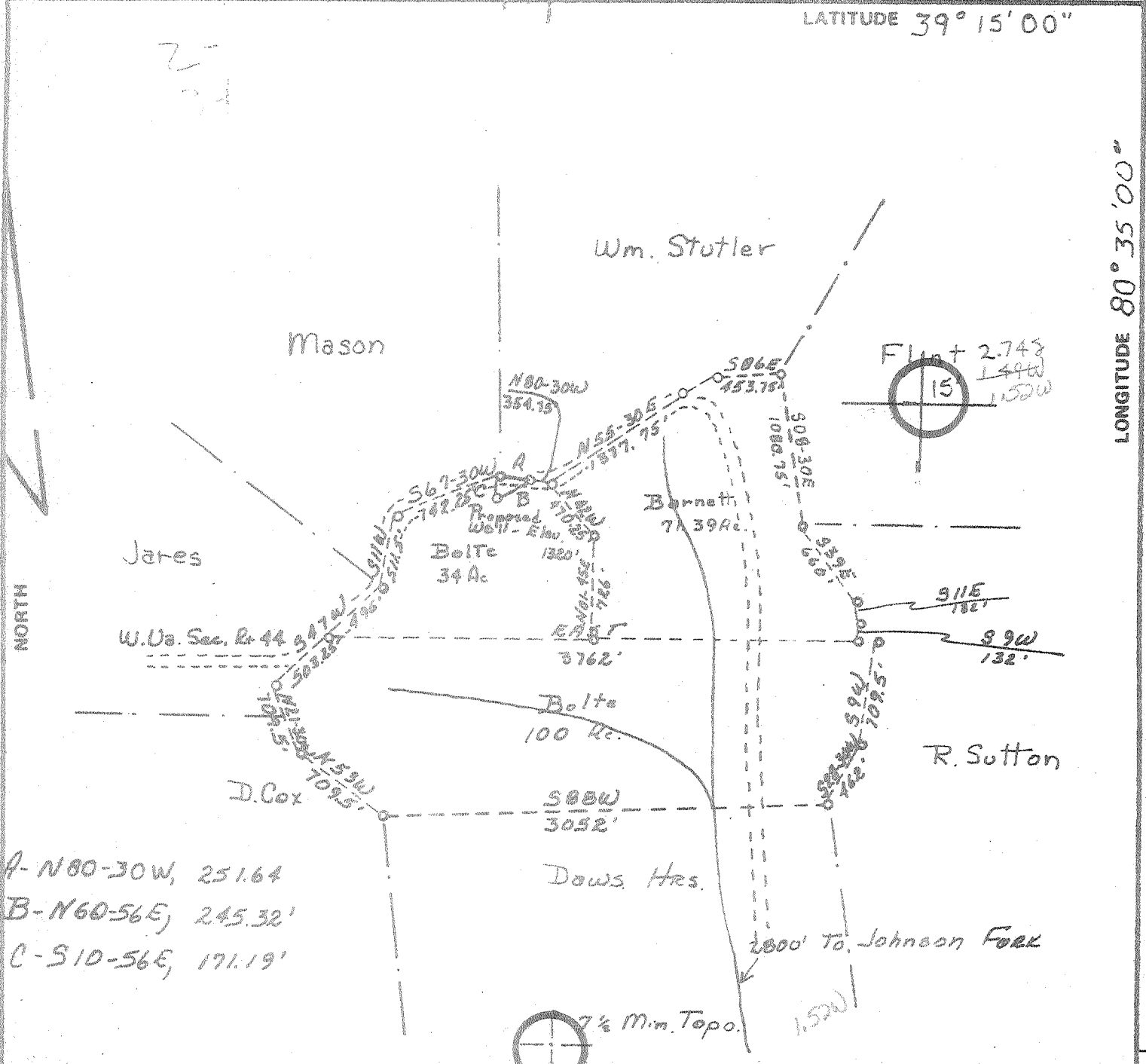
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1320' WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5 VADIS 15'
 SURFACE OWNER C. C. MOSS ACREAGE 34
 OIL & GAS ROYALTY OWNER F. W. BOLTE LEASE ACREAGE 34
 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 FLK/ALEXANDER ESTIMATED DEPTH 5500
 WELL OPERATOR EASTERN AMERICAN ENERGY DESIGNATED AGENT JAMES E. RECHT
 ADDRESS PO BOX N ADDRESS PO BOX N
GLENNVILLE, W. VA. 26351 GLENNVILLE, W. VA. 26351

DEC 19 1983



- A-N80-30W, 251.64
- B-N60-56E, 245.32'
- C-S10-56E, 171.19'

FILE NO. _____
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 (SIGNED) James E. Recht
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

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



DATE April 28, 19 80
 OPERATOR'S WELL NO. 41
 API WELL NO. _____
47 - 017 - 2710
 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 1320' WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAACS VADIS 15' NC
 SURFACE OWNER G.C. Moss ACREAGE 34
 OIL & GAS ROYALTY OWNER F.W. BOLTE LEASE ACREAGE 34
 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 ELK/ALEXANDER ESTIMATED DEPTH 5500
 WELL OPERATOR EASTERN AMERICAN ENERGY DESIGNATED AGENT JAMES E. RECHT
 ADDRESS PO BOX N GLENVILLE, W.VA. 26351 ADDRESS PO BOX N GLENVILLE, W.VA. 26351

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. EA #.1 Bolte
API Well No. 47-017-2710
State County

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1320 Watershed: Buckeye Creek
District: Greenbrier County: Doddridge Quadrangle: Big Issac

WELL OPERATOR Eastern American Energy Corporation DESIGNATED AGENT James C. Recht
Address P. O. Box N Address P. O. Box 67
Glenville, W.V. 26351 Glenville, W.V. 26351

OIL & GAS ROYALTY OWNER F.W. Bolte et al COAL OPERATOR NONE
Address Doddridge County Address:
WV

ACREAGE 34 Acres
SURFACE OWNER C.C. Moss et ux COAL OWNER(S) WITH DECLARATION ON RECORD:
Name RECEIVED
Address APR 30 1980
WV Name
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mr. Paul Garrett
Address 321 Beech Street
Clarksburg, W.V. 26301

Phone: 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 May 30, 1979.
Undersigned well operator from Clarence W. Mutschelknaus
If said deed, lease, or other contract has been recorded:]

Recorded on June 11, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 108 at page 682. 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.

BLANKET BOND

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
147 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

EASTERN AMERICAN ENERGY CORPORATION
Well Operator
F.H. McCullough, III
By F.H. MCCULLOUGH, III
Vice President

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, Inc.
Address Buckhannon, WV 26201
Phone: 472-2161

GEOLOGICAL TARGET FORMATION, Elk/Alexander

Estimated depth of completed well, 5500 feet Rotary / Cable tools /
Approximate water strata depths: Fresh, unknown feet; salt, feet.
Approximate coal seam depths: unknown Is coal being mined in the area? Yes / No

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	Left in well		
Conductor	20	J-55	94 lb		X	25	---	---	Kinds
Fresh water	3-5/8	J-55	20 lb	X		1100	1100	Surface	
Coal									Sizes
Intermediate									
Production	4 1/2	CW	10.5	X		5500	5500	300 SKS.	Depths set
Tubing	1 1/2	H-40	2.5	X		---	5400		
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.

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 1-8-81


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.