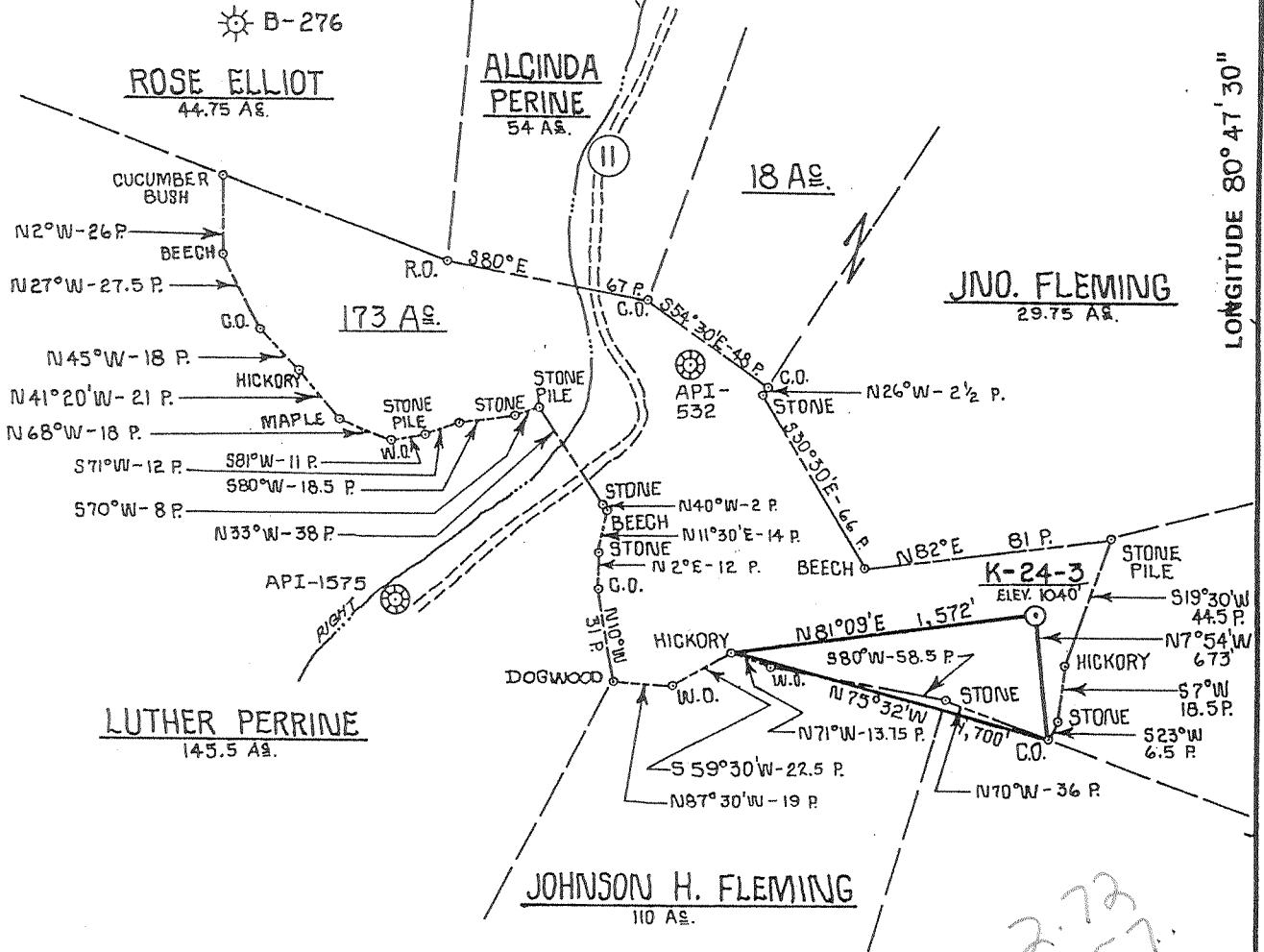


Janice 2/20/90

LATITUDE 39° 17' 30"

2770

LONGITUDE 80° 47' 30"



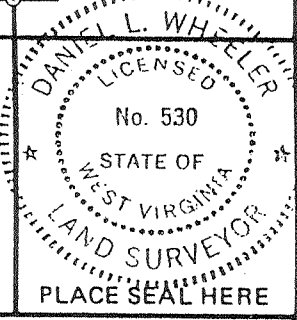
NORTH

14330

2.72
57.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BERRY ENERGY
 WELL B-276 ELEV. 1038'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE DECEMBER 11, 19 79
 OPERATOR'S WELL NO. K-24-3
 API WELL NO. _____
47 - 017 - 2567-Fox
 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 1040' WATER SHED ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER RITCHIE N. BRITTON ACREAGE 173
 OIL & GAS ROYALTY OWNER MICHAEL S. FRANCIS LEASE ACREAGE 173
 LEASE NO. K-24-3
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5,150'
 WELL OPERATOR Eastern American DESIGNATED AGENT John M. Laletti
 ADDRESS P.O. BOX N ADDRESS P.O. BOX N
GLENNVILLE, W. VA. 26035 GLENNVILLE, W. VA. 26035

0000 2567-Franc.

APR 14 2000

Jamie 2/20/90

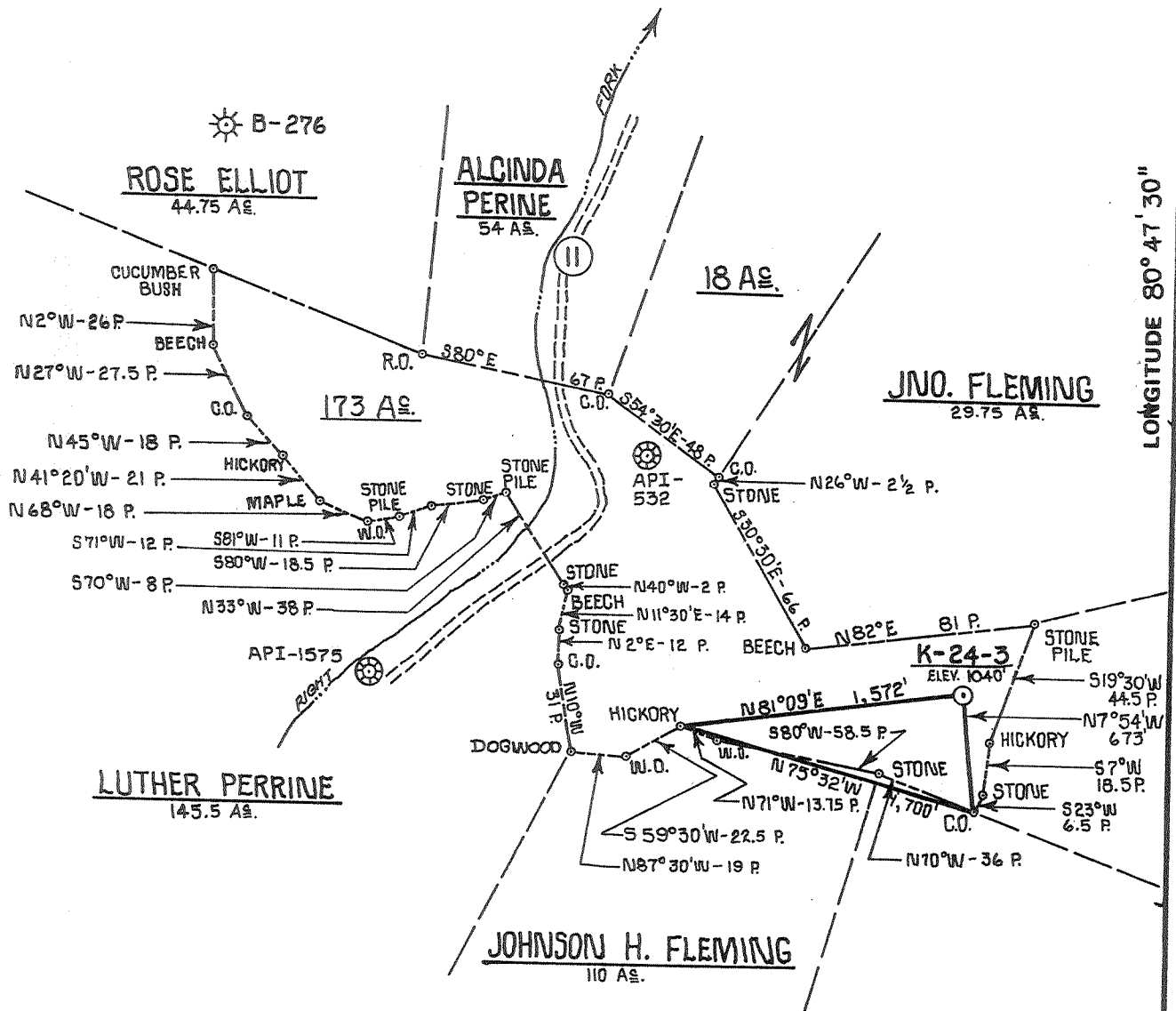
LATITUDE 39° 17' 30"

2990'

LONGITUDE 80° 47' 30"

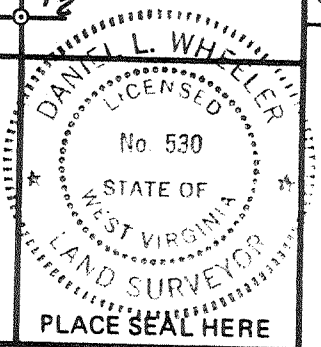
14320'

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1,000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BERRY ENERGY
 WELL B-276 ELEV. 1038'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE DECEMBER 11, 19 79
 OPERATOR'S WELL NO. K-24-3
 API WELL NO. 47-017-2567-Frac
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Frac. Cancelled

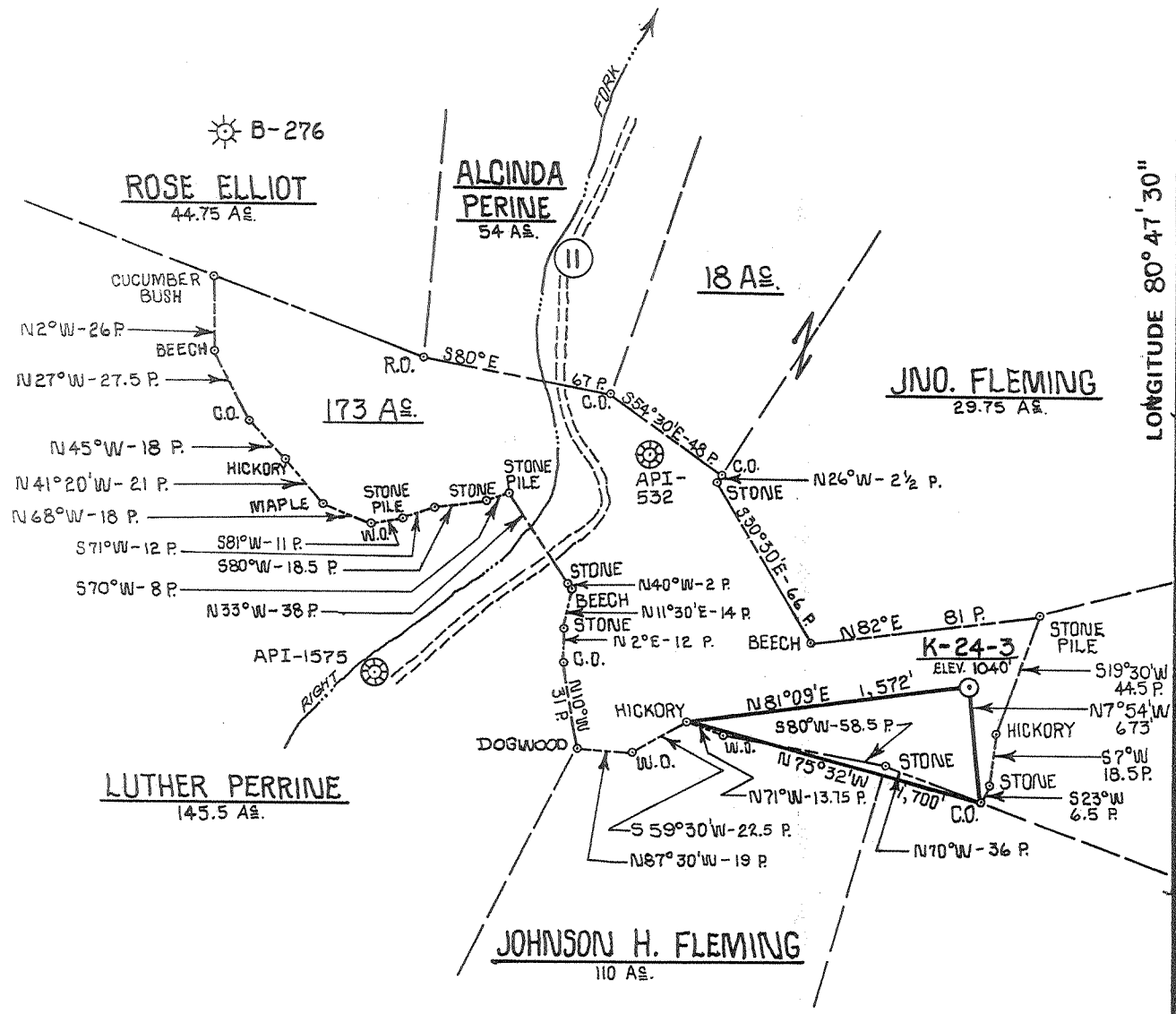
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1040' WATER SHED ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER RITCHIE N. BRITTON ACREAGE 173
 OIL & GAS ROYALTY OWNER MICHAEL S. FRANCIS LEASE ACREAGE 173
 LEASE NO. K-24-3
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5,150'
 WELL OPERATOR Eastern American DESIGNATED AGENT John M. Laletti
 ADDRESS P.O. BOX N GREENVILLE, W. VA. 26035 ADDRESS P.O. BOX N GREENVILLE, W. VA. 26035

0000 2567-Frac

Jamie 2/20/90

LATITUDE 39° 17' 30"

2.72



LONGITUDE 80° 47' 30"

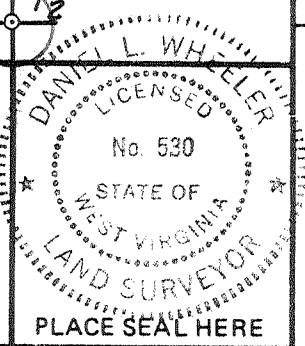
14330'

*15' Loc
39 20 5605
80 47 278W*

*2.72
0.55*

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1,000'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION BERRY ENERGY
WELL B-276 ELEV. 1038'

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) *Daniel L. Wheeler*
R.P.E. _____ L.L.S. 530



(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
DRM IV-6
(7B)



DATE DECEMBER 11, 19 79
OPERATOR'S WELL NO. K-24-3
API WELL NO. _____
47 - 017 - 2567-Fax
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

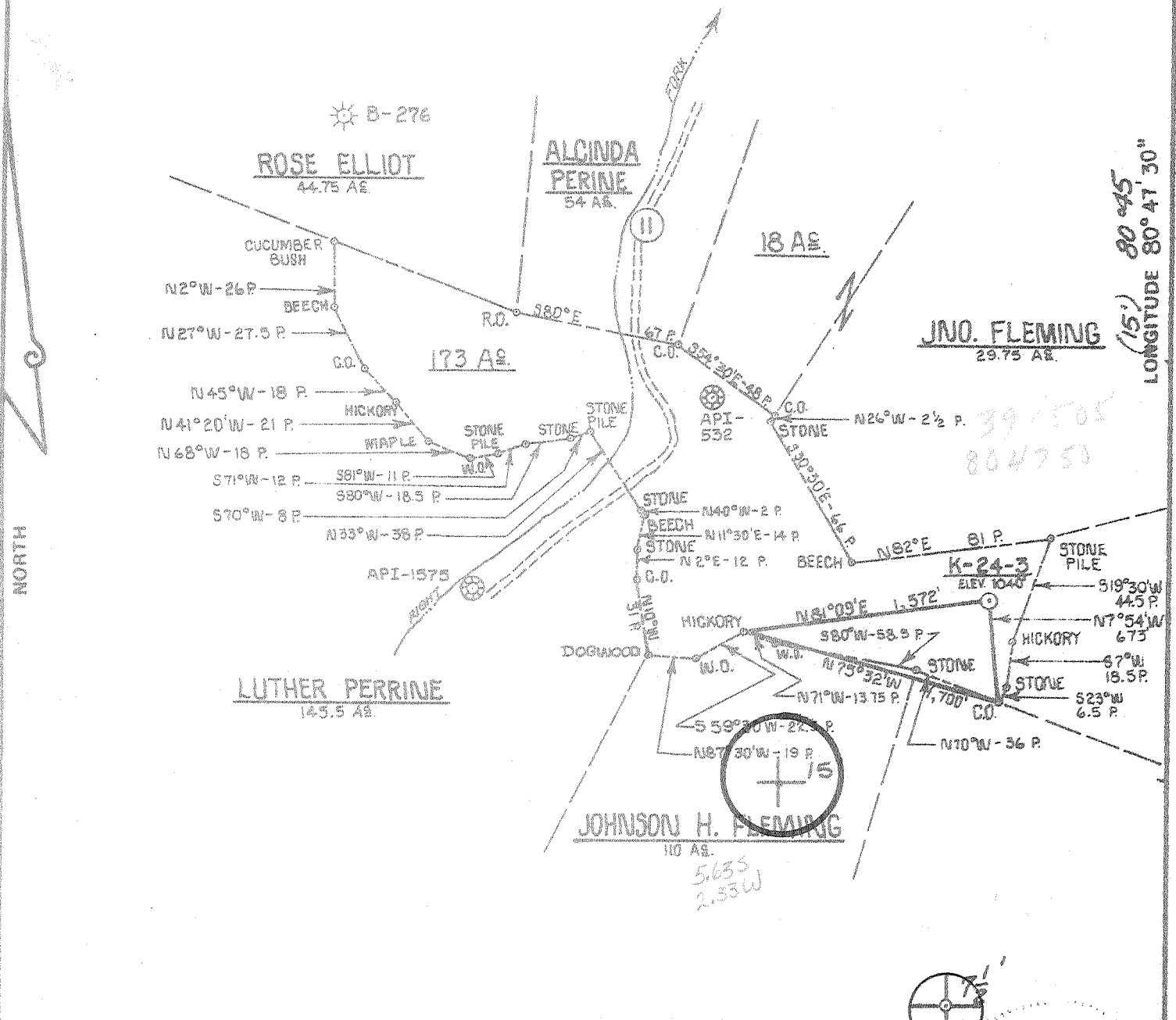
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1040' WATERSHED ARNOLDS CREEK
DISTRICT WEST UNION 8 COUNTY DODDRIDGE
QUADRANGLE WEST UNION 7.5' / West Union 133
SURFACE OWNER RITCHIE N. BRITTON ACREAGE 173
OIL & GAS ROYALTY OWNER MICHAEL S. FRANCIS LEASE ACREAGE 173
LEASE NO. K-24-3
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5,150'
WELL OPERATOR Eastern American DESIGNATED AGENT John M. Pletti
ADDRESS P.O. BOX N ADDRESS P.O. BOX N
GLENNVILLE, W. VA. 26035 259 GLENNVILLE, W. VA. 26035

MAR 12 1980

LATITUDE 39° 17' 30"
(15') 39° 20'

LONGITUDE 80° 47' 30"
(15') 80° 45'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1,000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BERRY ENERGY
 WELL B-276 ELEV. 1038'

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) Donal L. Whorley
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



DATE DECEMBER 11 19 79
 OPERATOR'S WELL NO. K-24-3
 API WELL NO. 47-017-2567
 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 1040' WATER SHED ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'+15' SE
 SURFACE OWNER RITCHIE N. BRITTON ACREAGE 173
 OIL & GAS ROYALTY OWNER MICHAEL S. FRANCIS LEASE ACREAGE 173
 LEASE NO. K-24-3
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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 5,150'
 WELL OPERATOR J. & J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, W. VA. 26201 BUCKHANNON, W. VA. 26201

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

ALZ

Farm name: BRITTON, ALLEN

Operator Well No.: Francis #3 (J0108)

LOCATION: Elevation: 1040.00 Quadrangle: WEST UNION
District: WEST UNION County: DODDRIDGE
Latitude: 14320 Feet South of 39 Deg. 175 Min. 30 Sec.
Longitude: 2990 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP.
P O BOX 820
GLENVILLE WV 26351

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1469.9'	1469.9'	340 sxs
4-1/2"	5256.2'	5256.2'	525 sxs

Agent: JOHN PALETTI
Inspector: MIKE UNDERWOOD
Permit Issued: 04/11/00
Well work commenced: 04/17/00
Well work completed: 04/20/00

Verbal plugging permission granted on:

Rotary X Cable ___ Rig

Total Depth (feet) 5366' (1980)

Fresh water depths (ft) 295', 740', 1395'

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

OPEN FLOW DATA

Producing Formation Benson/3rd Riley Pay zone depth (ft) 4858 - 4774';

Gas: Initial open flow 60 MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 315 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 48 Hours

Static rock pressure 745 psi (surface pressure) after 24 Hours

2nd Producing Formation Riley Pay zone depth (ft) 4444 - 4415';

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow N/A MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests ___ Hours

Static rock pressure ___ psi (surface pressure) after ___ Hours

3rd Producing Formation Balltown Pay zone depth (ft) 3846' - 3790'

Gas: Initial open flow ___ MCF/d Oil: Initial open flow ___ Bbl/d

Final open flow ___ MCF/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ Hours

Static rock pressure ___ psi (surface pressure) after ___ Hours

4th Producing Formation Gordon Pay zone depth (ft) 2589' - 2577'

Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow N/A MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests ___ Hours

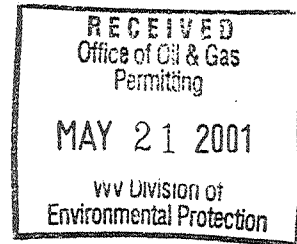
Static rock pressure ___ psi (surface pressure) after ___ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

JOHN PALETTI, AGENT
For: EASTERN AMERICAN ENERGY CORPORATION

By: *John Paletti/KSA*

Date: APRIL 27, 2001



DODD, 2567-F

MAY 25 2001

STAGE ONE: Benson/3rd Riley

10 holes (4858' - 4774')

Fracture: 15% HCl acid, 25# cross link gel and 25,000# 20/40 sand. Formation broke at 2190 psi

STAGE TWO: Riley

13 holes (4444' - 4415')

Fracture: 15% HCl acid, 25# cross link gel, and 30,000# 20/40 sand. Unable to determine breakdown point.

STAGE THREE: Balltown

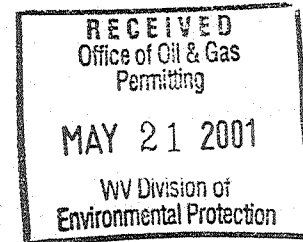
12 holes (3846' - 3790')

Fracture: 15% HCl acid, 25# cross link gel, and 25,000# 20/40 sand. Unable to determine breakdown point.

STAGE FOUR: Gordon

14 holes (2589' - 2577')

Fracture: 15 % HCl acid, 25# cross link gel, and 22,200# 20/40 sand. Unable to determine breakdown point.



Columbian

FORM IV-35
(Obverse)

[08-78]

Date: 4-23, 1980

Operator's
Well No. J-108

API Well No. 017 2567
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X)
LOCATION: Elevation: 1040 Watershed: Arnolds Creek
District: West Union County: Doddridge Quadrangle: West Union 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett
Address Box 48 Address Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill X / Convert ___ / Drill deeper ___ % Redrill ___ / Fracture or stimulate X
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

PERMIT ISSUED ON 12-18, 19 79 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address 321 Beech St,
Clarksburg, WV
26301

GEOLOGICAL TARGET FORMATION: Alexander Depth _____ feet
Depth of completed well, 2957 feet Rotary X / Cable Tools _____
Water strata depth: Fresh, 1395 feet; salt, 0 feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 4-2, 1980, and completed 4-9, 1980

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		Kinds	None
Conductor	113/4H-40	42		X			0	0sks.	Kinds	None
Fresh water	8 5/8ERW	23		X		1469.90	1469.90	340 sks		
Coal	8 5/8ERW	23		X		1469.90	1469.90	340 sks	Sizes	
Intermediate										
Production	1 1/2J-55	10.5		X		5256.20	5256.20	525 sks	Design set	
Tubing										
Liners									Perforations:	
									Top	Bottom
									5156	5190

RECORDED
APR 25 1980

OPEN FLOW DATA

Producing formation Alexander OIL & GAS DIVISION DEPT. OF MINES 5156-5190 feet
Pay zone depth _____ feet
Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 1,958 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 12 hours
Static rock pressure, 1800 psig (surface measurement) after 24 hours shut in

[If applicable due to multiple completion--]

Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

Continued on reverse side

MAY 29 1980

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL PROPERTIES, ETC.

Alexander: Perforations: 5156-5190 (18 holes)

Fracturing: 500 gal Acid: 30,000 lbs. Sand, 80/100 wire mesh:
60,000 lbs. Sand, 20/40 wire mesh: 673 Bbls. Fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of gas, oil, or and salt water, coal, etc.
Conductor			0	39	
Sand & Shale			39	90	
Sand			90	113	
Shale			113	128	
Red Rock			128	137	
Sand			137	140	
Sand & Shale			140	173	
Red Rock & Shale			173	190	
Sand & Shale			190	197	
Sand			197	201	
Sand & Shale			201	208	
Sand			208	220	
Sandy Shale			220	228	
Sand			228	230	
Sandy Shale			230	271	
Sand			271	278	
Sandy Shale			278	295	Damp @ 295'
Sand			295	326	
Red Rock			326	338	
Sandy Shale			338	450	
Red Rock			450	470	
Shale			470	520	
Sand & Lime			520	530	Damp @ 740'
Shale			530	820	
Sand & Shale			820	1395	Oil @ 1100'
Sand			1395	1407	
Sandy Shale			1407	1410	
Shale			1410	1803	
Little Lime			1803	1815	
Shale			1815	1852	
Big Lime			1852	1976	

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.
Well Operator
By Peter Battles
Peter Battles
Geologist

NOTE: Regulation 2.02(f) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of gas, oil, and salt water, coal, etc.
Big Injun			1976	1992	
Shale			1992	2147	
Weir			2147	2256	
Sand & Shale			2256	2574	
Gordon			2574	2590	
Sand & Shale			2590	3240	
Speechley			3240	3382	
Sand & Shale			3382	3770	
Balltown			3770	3852	
Sand & Shale			3852	4852	Gas @ 4790 18/10 thru 1" w/wate
Benson			4852	4858	
Sand & Shale			4958	5125	Gas @ 5048 80/10 thru 1"
Alexander			5125	5205	w/wate
Shale			5205	5366	T.D. 5366 Gas @ 5268 140/10 thru 1" w/ water

MAY 29 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. K-24-#3
API Well No. 47-017 - 2567
State County Permit

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

LOCATION: Elevation: 1040 Watershed: Arnold's Creek
District: West Union County: Doddridge Quadrangle: West Union 7 1/2

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

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

OIL & GAS ROYALTY OWNER Michael S. Francis et al
Address 109 Ridenour Street
Clarksburg, W. Va. 26301
Acreage 173

COAL OPERATOR Ritchie Britton
Address Arnold's Creek
West Union, W. Va. 26456

SURFACE OWNER Michael & John Francis / Wm. & Margaret Yoke
Address 109 Ridenour Street
Clarksburg, W. Va. 26301
Acreage 173

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____
RECEIVED
DEC 18 1979

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

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 X / other contract ___ / dated August 23, 1978, to the undersigned well operator from Michael & John Francis; William Yoke, Jr. & Margaret Yoke
[If said deed, lease, or other contract has been recorded:]

Recorded on December 14, 1978, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & GAS Lease Book 106 at page 278. 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 other permits or orders which 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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1614 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

J & J ENTERPRISES, INC.
Well Operator
By Peter Battles
Its PETER BATTLES GEOLOGIST

[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) S. W. Jack Drilling Company
Address P. O. Box 48
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5150 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 300 feet; salt, 1800 feet.
Approximate coal seam depths: 1200 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	Left in well		
Conductor	11 3/4	H-40	42	X		30	0	0 sks.	Kinds None
Fresh water	8 5/8	ERW	23	X		1080	1080	280 sks.	
Coal	8 5/8	ERW	23	X		1080	1080	280 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5125	5125	250 sks.	Depths set
Tubing									
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 **THIS PERMIT MUST BE POSTED AT THE WELL SITE** when the permit is posted in the 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 9-1-80.


Deputy Director - Oil & Gas Division

This permit is hereby approved 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

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: ²⁵⁹ Eastern American Energy Corporation, 4480 (8) 670
- 2) Operator's Well Number: J-108 3) Elevation: 1040'
- 4) Well type: (a) Oil ___ / or Gas XX /
 (b) If Gas: Production XX / Underground Storage ___ /
 Deep ___ / Shallow XX /
- 5) Proposed Target Formation(s): ⁴³⁵ Benson/Riley/Balltown/Speechley/Warren
- 6) Proposed Total Depth: 5366 feet
- 7) Approximate fresh water strata depths: 295', 740', 1395'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No XX /
- 11) Proposed Well Work: ~~Rework.~~ *New Existing Well*
- 12) *New Formations*

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 "	F-25	37.5	28'	-----	<i>340 OK</i>
Fresh Water	8-5/8"	J-55	20.0	1469.90'	1469.90'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						<i>525 OK</i>
Production	4-1/2"	J-55	10.5	5256.20'	5256.20'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 FEB 07 1990

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond *Blank* Agent
 (Type)

12193

4000

RECEIVED
FEB 07 1990

1) Date: January 18, 1990
2) Operator's well number J-108
3) API Well No: 47 - 017 - 2567-FRAC
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Agnes Pauline Britton</u>
Address <u>Rt. 1, Box 63</u>
<u>West Union, WV 26456</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rt. 2, Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)- <u>782-1043</u></p> | |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:
_____ Personal Service (Affidavit attached)
XX Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Eastern American Energy Corporation
By: John M. Paletti *John M. Paletti*
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 23rd day of January, 1990

Joe L. ...
My commission expires July 2, 1996 Notary Public