

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S Bench Mark Copper Disk C-97-1956
NORTH SIDE Sissonville Jr. High School Elev. 630.00
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

- New Location
- Drill Deeper
- Abandonment

Company Viking Energy 1095

Address P.O. Box 12306, Sissonville, WV. 25360 STATE OF WEST VIRGINIA
 Div. of Environmental Protection

Farm HATTIE JORDAN ET. AL. (Boyd Miller) Office of Oil & Gas
 Nitro, WV.

Tract _____ Acres 262.0 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 1115.30

Quadrangle KENNA 15 / Romance 7.5

County KANAWHA District POCA

Engineer N. G. Sexton

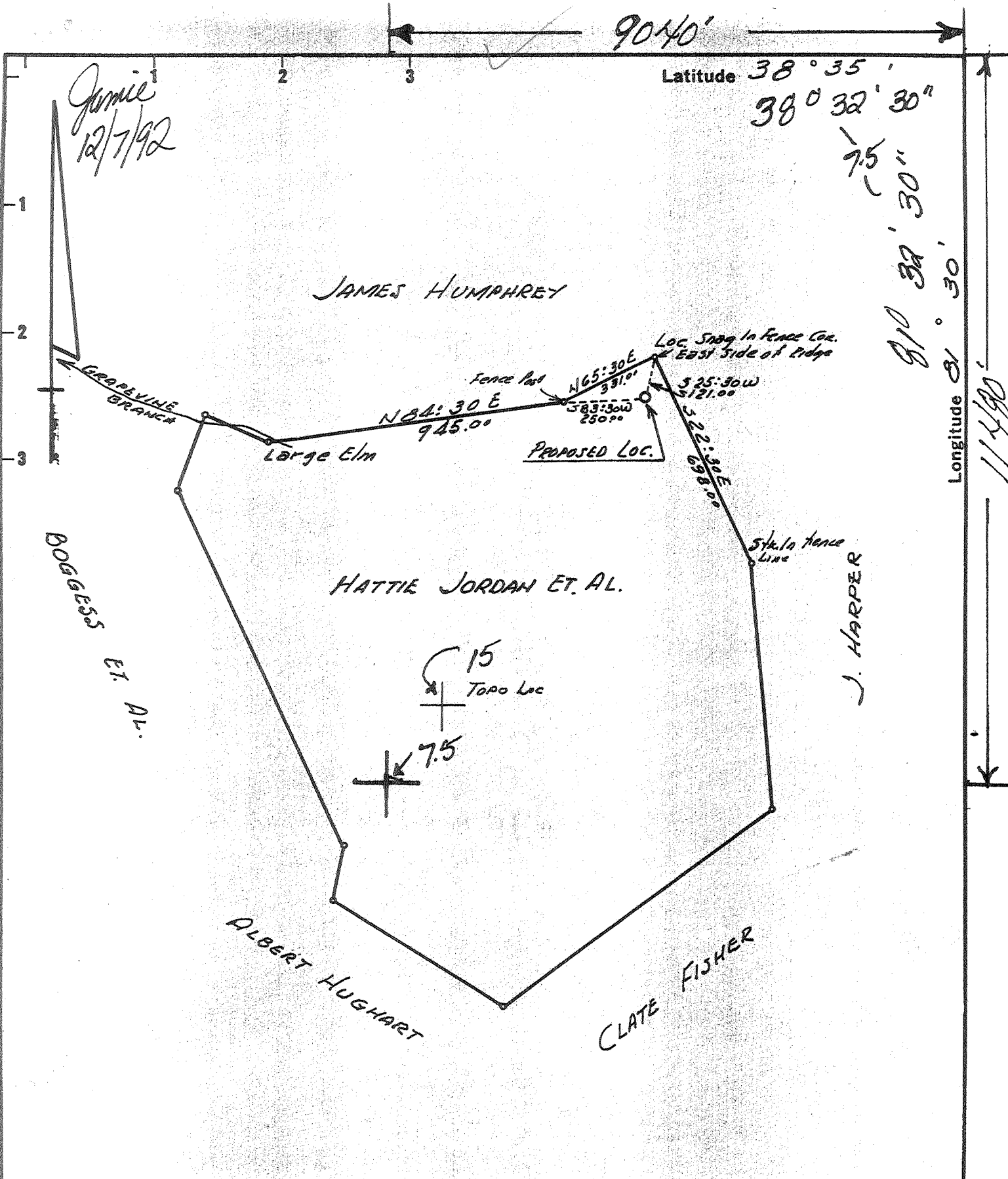
Engineer's Registration No. 1832

File No. _____ Drawing No. _____

Date JAN 14 1970 Scale 1" = 400'

WELL LOCATION MAP
 A.P.I. Well No. 567-039-02454-True
 Well drilled in 1970 TD-6011'
 Production from Newburg. 6003-6011'
 Free Crickany coningle with
 Newburg.

JUL 26 1996



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. Bench Mark Copper Disk C-97-1956
NORTH SIDE Sissonville Jr. High School Elev. 630.00
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

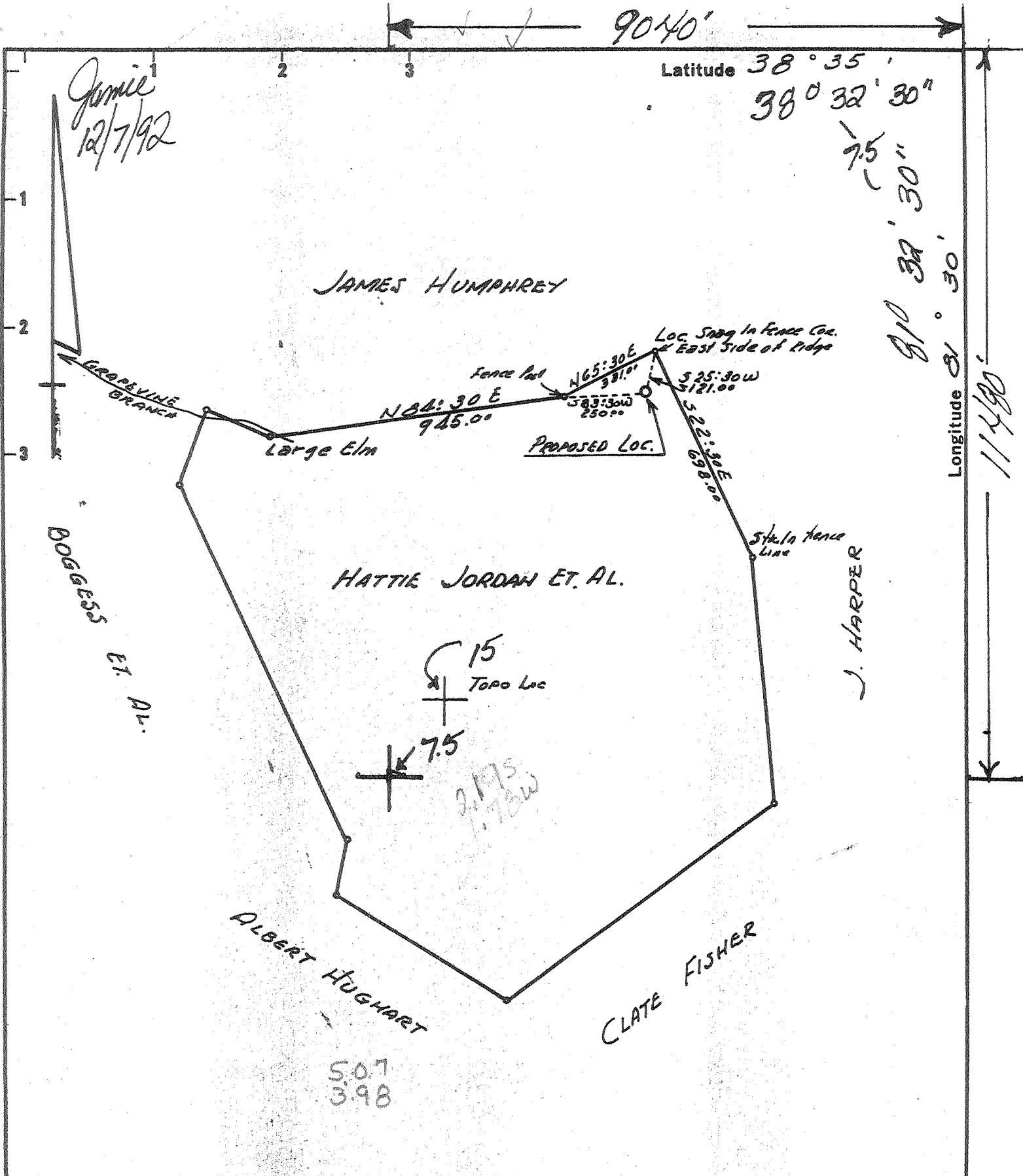
Company Viking Energy
 Address P.O. Box 13306, Sissonville, WV. 25360
 Farm HATTIE JORDAN ET AL. (Roy D Miller)
 Tract _____ Acres 262.0 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1115.30
 Quadrangle KENNA 15 / Romance 7.5
 County KANAWHA District POCA
 Engineer N. G. Sexton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date JAN 14 1976 Scale 1" = 400'

STATE OF WEST VIRGINIA
 Div. of Environmental Protection
 Office of Oil & Gas
 Petro, WV.

WELL LOCATION MAP
 A.I. Well No. 457-039-02454-7
 Plug Back 5'

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

KAN 2454 F



New Location

Drill Deeper

Abandonment

Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S Bench Mark Copper Disk C-97-1956
North Side Sissonville Jr. High School Elev. 630.00

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company Viking Energy 1045

Address P.O. Box 12306, Sissonville, WV. 25300

Farm HATTIE JORDAN ET AL. (Raymond Miller)

Tract _____ Acres 262.0 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 1115.30

Quadrangle KENNA 15 / Romance 7.5 SE

County KANAWHA District POCA 5

Engineer N. G. Sefton

Engineer's Registration No. 1832

File No. _____ Drawing No. _____

Date JAN 14 1970 Scale 1" = 400'

STATE OF WEST VIRGINIA
 Div. of Environmental Protection
 Office of Oil & Gas
 Petro, WV.

WELL LOCATION MAP

API Well No. 47-039-02454-7

Plus back 5'

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

DEC 14 1992

- Denotes one inch spaces on border line of original tracing.

DOGGESES WELL



RECEIVED

JUN 22 1970

OIL & GAS DIVISION
DEPT. OF MINES

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle KENNA

Permit No. KAN-2454

WELL RECORD

Oil or Gas Well **GAS**
(KIND)

Company J. L. Trittipo, Inc.
Address 600 Commerce Sq., Charleston, W. Va.
Farm Hattie Jordan Acres 262
Location (waters) Pigeon Roost Branch
Well No. 1 Elev. 1115.30
District Poca County Kanawha
The surface of tract is owned in fee by Richard Miller Address Sissonville, W. Va.
Mineral rights are owned by Hattie Jordan, et al. Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	80'	80	Size of
10			Depth set
8 5/8	2130'	2130	Perf. top
6 5/8			Perf. bottom
5 1/2	5970'	5970	Perf. top
4 1/2			Perf. bottom
3			
2			
Liners Used			

Drilling commenced January 24, 1970
Drilling completed February 7, 1970
Date Shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 4,000 Mcf Cu. Ft.
Rock Pressure 1600 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 5 1/2 SIZE 1000 No. Ft. 2-2-70 Date
Surface string circulated
Amount of cement used (bags) _____

Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) May 8th, 1970 - 24,000 pound sand - 22 BPM - 4800 Psi

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 15,000 Mcf
ROCK PRESSURE AFTER TREATMENT 1600 psi HOURS _____
Fresh Water _____ Feet _____ Salt Water 1600 Feet _____
Producing Sand Newburg Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	30			
Sand-Shale			30	590			
Sand			590	800			
Sand-Shale			800	1390			
Sand			1390	1510			
Sand			1510	1790	Salt Water		
Lime			1790	1930			
Sand			1930	1970			
Shale			1970	5094			
Lime			5094	5180			
Oriskany			5180	5209			
Lime			5209	6003			
Newburg			6003	6011			
Total Depth -				6011			

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

- 1) Well Operator: Viking Energy Inc. 51440 (S) 583
2) Operator's Well Number: H. Jordan #1 WV9749 3) Elevation: 1115.30
4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production / Underground Storage / Deep / Shallow X/
5) Proposed Target Formation(s): Shale Sand 441
6) Proposed Total Depth: 5094 feet
7) Approximate fresh water strata depths: NA
8) Approximate salt water depths: NA
9) Approximate coal seam depths: NA
10) Does land contain coal seams tributary to active mine? Yes / No X/

RECEIVED WV Division of Environmental Protection NOV 06 92 Permitting Office of Oil & Gas

11) Proposed Well Work: Perforate and Fracture Shale Sand Permanent Plug back Newburg with Super Cement. frac shale

12) Possibly source of 5' CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

PACKERS : Kind Sizes Depths set

For Division of Oil and Gas Use Only

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

3755/36

RECEIVED
 WV Dept. of
 Environmental Protection
NOV 06 92
 Permitting
 Office of Oil & Gas

Page 1 of _____
 Form WW2-A
 (09/87)

- 1) Date: September 21, 1992
- 2) Operator's well number
H. Jordan #1 WV9749
- 3) API Well No: 47 - 039 - 2454 - Frac
 State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Roger D. Miller
 Address 1614D Grapevine Road
Sissonville, WV. 25320
 - (b) Name _____
 Address _____
 - (c) Name _____
 Address _____
- 5) (a) Coal Operator:
 - Name _____
 Address _____
 - (b) Coal Owner(s) with Declaration
 Name No Coal
 Address _____
 - Name _____
 Address _____
 - (c) Coal Lessee with Declaration
 Name _____
 Address _____
- 6) Inspector Carlos Hively
 Address 223 Pinch Ridge Road
Elk View, WV. 25071
 Telephone (304)- 965-6069

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
X 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 _____ on the above named parties, by:

- X Personal Service (Affidavit attached)
- _____ 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 Wiking Energy Inc.
 By: Michael Pinkerton
 Its: _____ Designated Agent
 Address P. O. Box 13366
Sissonville, WV. 25360
 Telephone 304-984-3389

Subscribed and sworn before me this 21 day of September, 1992

My commission expires _____



OFFICIAL SEAL
 NOTARY PUBLIC
 STATE OF WEST VIRGINIA
MARK T. WINE
 408 Cedarcrest Drive, Raleigh, WV 25271

Mark T. Wine Notary Public

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

- 1) Well Operator: Viking Energy Inc. ¹⁰²⁵ 51440 (8) 415
- 2) Operator's Well Number: H. Jordan #1 WV9749 3) Elevation: 1115.30
- Well type: (a) Oil ___ / or Gas X /
- (b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow X /
- Proposed Target Formation(s): Oriskany Sand ⁴⁷⁵
- Proposed Total Depth: 5064 feet
- 1) Approximate fresh water strata depths: NA
- 8) Approximate salt water depths: NA
- 9) Approximate coal seam depths: NA
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Perforate and Fracture Oriskany Sand
- 12)

Issued 07/22/96
Expires 07/22/98

RECEIVED
WV Division of
Environmental Protection
JUL 02 1996
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight per ft.	For drilling	FOOTAGE INTERVALS	Left in well	CEMENT
	Size	Grade					
Conductor	133/8			80'		80'	cemented to surface
Fresh Water	8 5/8			2130'		2130'	1000' to surface
Coal							
Intermediate	5 1/2			5970'		5970'	<i>Electric from well Records</i>
Production							
Tubing							
Liners							

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

4699
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Agent
 (Type)
 C. H. 6-2496

22254

1) Date: June 17, 1996
2) Operator's well number
H. Jordan #1 WV9749
3) API Well No: 47 - 039 - 2454 -
State County Permit

RECEIVED
WV Division of
Environmental Protection
JUL 02 1996
Permits Office
Office of Oil & Gas

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Roger D. Miller
Address 1614D Grapevine Road
Sissonville, WV 25320
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name No Coal
Address _____
Name _____
Address _____

6) Inspector Carlos Hively
Address 223 Pinch Ridge Road
Elk View, WV 25071
Telephone (304) - 965-6069

(c) Coal Lessee with Declaration
Name _____
Address _____

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**

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

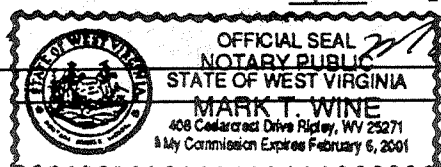
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Viking Energy Inc.
By: Michael Roberts
Its: _____ Designated Agent
Address _____ P.O. Box 13366
Sissonville, WV. 25360
Telephone _____ (304) 984-3389

Subscribed and sworn before me this 17 day of JUNE, 1996

My commission expires _____



Mark T. Wine Notary Public

WR-35

19-Jul-96
API # 47- 39-02454 F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: MILLER, ROGER D. Operator Well No.: H. JORDAN #1

LOCATION: Elevation: 1,115.30 Quadrangle: KENNA

District: POCA County: KANAWHA
Latitude: 11480 Feet South of 38 Deg. 32Min. 30 Sec.
Longitude 904 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: VIKING ENERGY CORPORATION
P. O. BOX 13366
SISSONVILLE, WV 25360-0000

Agent: MICHAEL PINKERTON

Inspector: CARLOS HIVELEY
Permit Issued: 07/22/96
Well work Commenced: 7/13/98
Well work Completed: 7/30/98
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5064
Fresh water depths (ft) NA
Salt water depths (ft) NA
Is coal being mined in area (Y/N)?
Coal Depths (ft): NA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8		80'	TO SURFACE
8 5/8		2130'	1000' TO SU

OPEN FLOW DATA

Producing formation ORISKANY SAND Pay zone depth (ft) 5230-5262
 Gas: Initial open flow 100 MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 20 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 24HRS Hours
 Static rock Pressure 80 psig (surface pressure) after 24HRS Hours

Second producing formation N/A Pay zone depth (ft) _____
 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 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.

For: VIKING ENERGY CORPORATION

By: MICHAEL PINKERTON
Date: 12-3-98

KAN 2454 F

VIKING ENERGY CORP.
PROCEDURE USED FOR STIMULATION
JORDAN #1

7-14-98 -Temporary bridge plug set at 5430'
-Perferated 15 holes 5230-5240 and 12 holes 5244-5262

7-18-98-Stimulation of well: treated perms. 28% HCL acid, loaded hole with water to start
a pad for Wide FRAC YF100LG Crosslink Conv. J917.

-1.0 ppa Prop. pressure at 2000 psi
-upto 5.0ppa Prop. pressure to 3100 psi

PRODUCTS USED

-16 GAL. SUFACATANT, EZEFL0 F75N
-70 LBS. BREAKER J218
-9 GAL BREAKER AIDJ318
-500LBS. GELLING AGENT J424
-25 GALS. CLAY STABILIZER L237
-3000LBS POTASSIUM CHLORIDE M117
-3GAL CHELATING AGENT U42
-31000 LBS SAND 20-40