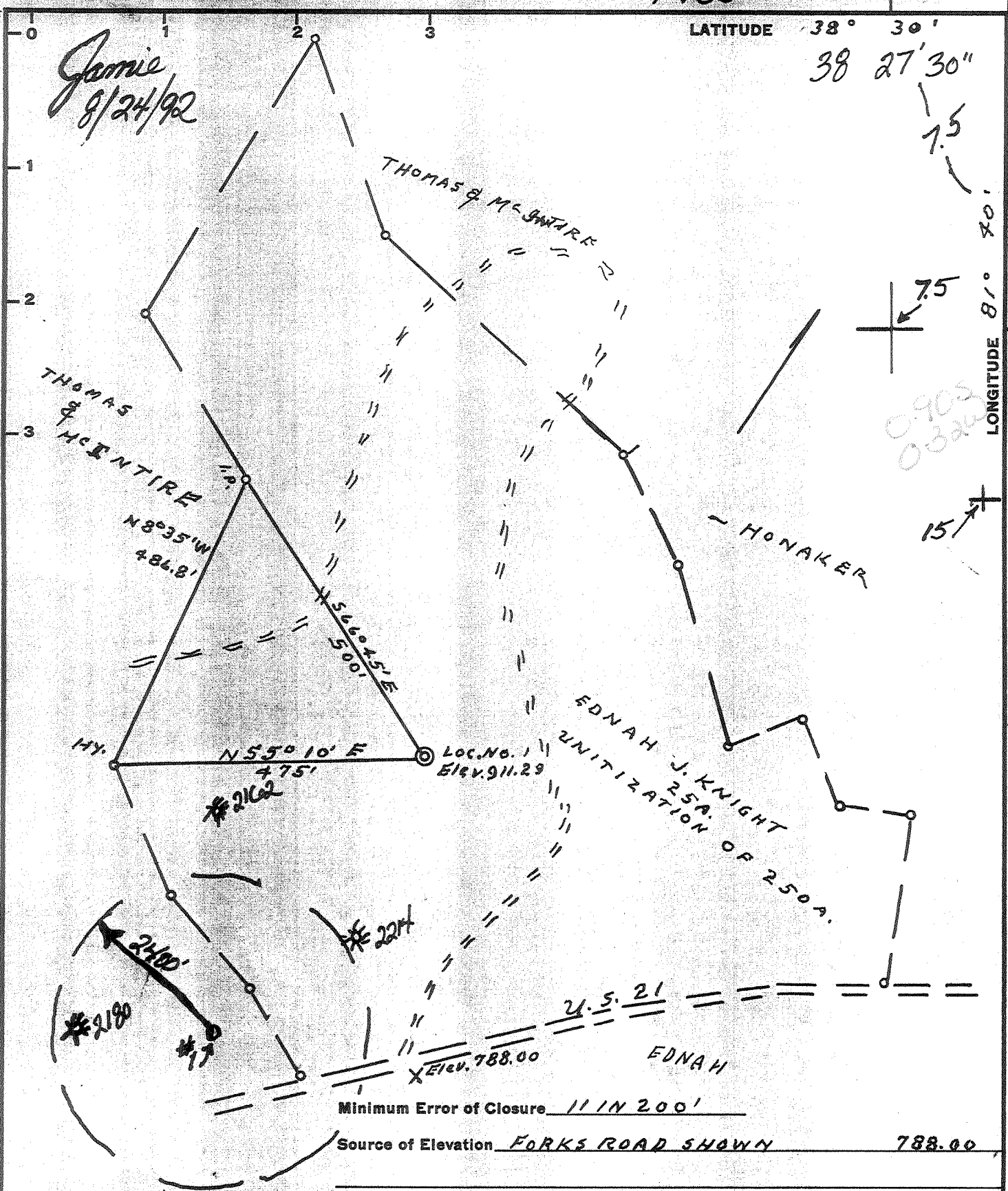


1780'

LATITUDE 38° 30' 38 27' 30"

LONGITUDE 81° 40' 4730'

Jamie 8/24/92



- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: L. F. Dye
 Squares: N S E W

Company Viking Energy Inc.
 Address Box 13366, Dixonville, W. Va.
 Farm EDNAH J. KNIGHT
 Tract Acres (2.5) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 911.29
 Quadrangle CHARLESTON 15 / Potomac 7.5
 County KANAWHA District UNION
 Engineer L. F. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 9-27-67 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 NITRO, WEST VIRGINIA 25143

WELL LOCATION MAP

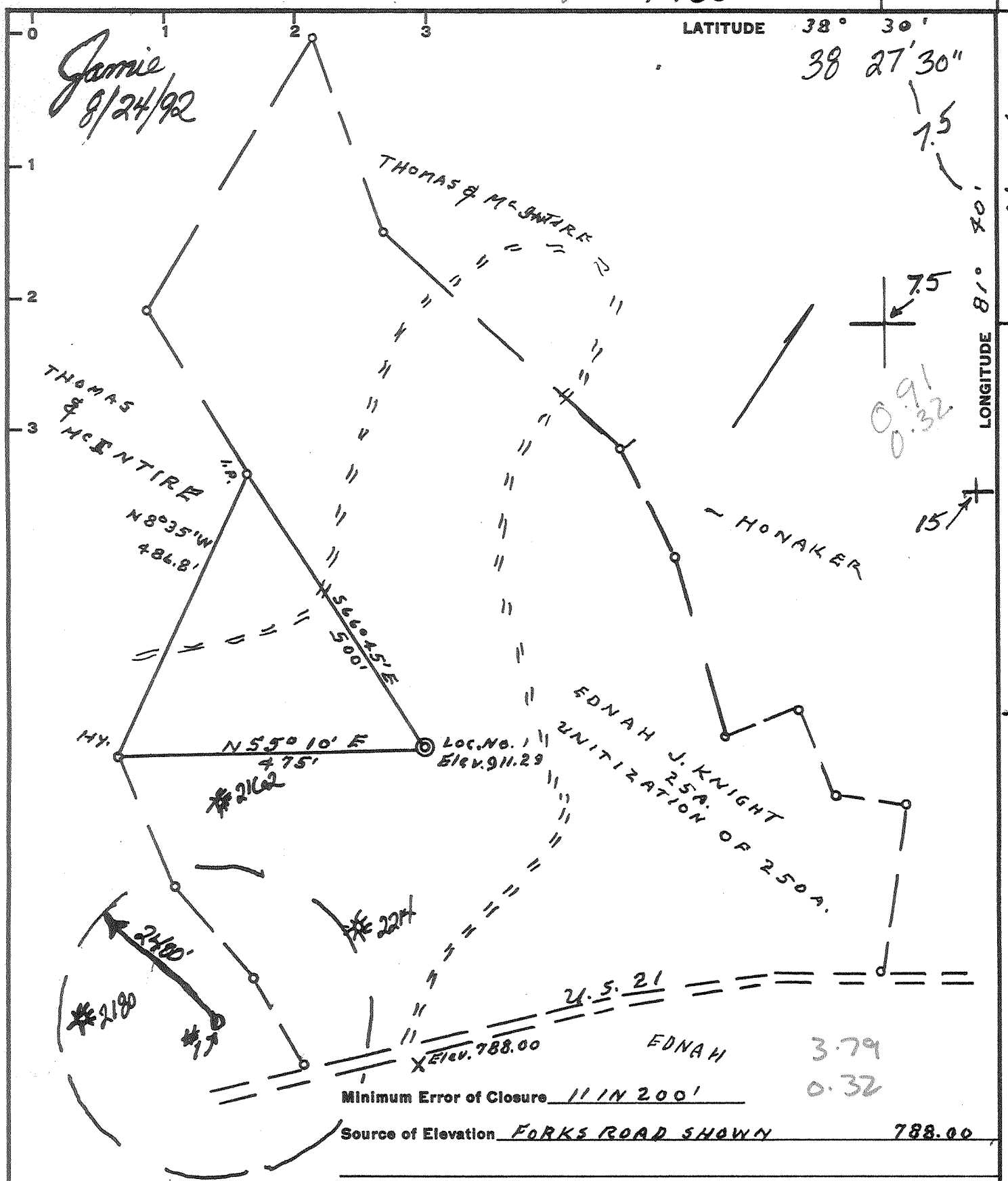
APT. Well No. 47-039-021767

Well was originally drilled in 1967 by Georg J. Enterprises Columbia bought well for storage. In 1992 the well was permanently plugged. Well was squeezed and fractured in brown shale at 4238' squeeze well in 1996 frac Berea & Coningle with shale.

1780'

LATITUDE 38° 30'
38° 27' 30"

LONGITUDE 81° 30'
4730'



- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: L. F. Dye
Map No. Squares: N S E W

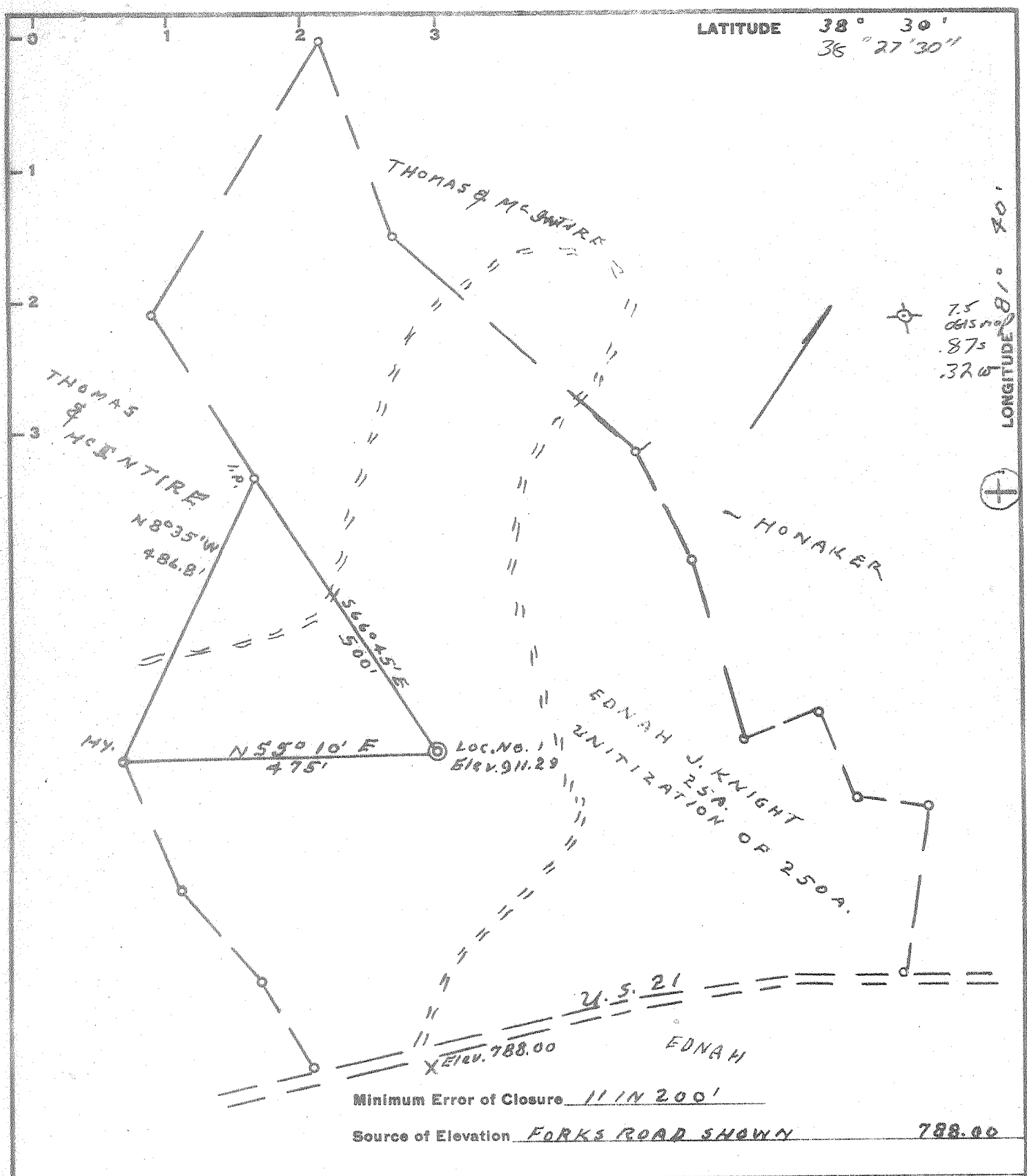
Company Viking Energy Inc. 1095
 Address Box 13306, Sissonville, W. Va 25360
 Farm EDNAH J. KNIGHT
 PT. OF 250-UNIT
 Tract _____ Acres (25) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 911.29
 Quadrangle CHARLESTON 15 / Peotatico 7.5
 County KANAWHA District UNION
 Engineer L. F. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 9-27-67 Scale 1" = 400'

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

WELL LOCATION MAP
 APT. Well No. 47-039-2176-F
Plug Back 9'

+ 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.
 SEP 1 1992

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



Minimum Error of Closure 11 IN 200'
 Source of Elevation FORKS ROAD SHOWN 788.00

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: L. F. Dye
 Squares: N S E W

Company JOEY JAY ENTERPRISES
 Address SPENCER, W. VA.
 Farm EDNAH J. KNIGHT
 Tract Acres (25) Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 911.29
 Quadrangle CHARLESTON NW
 County KANAWHA District UNION
 Engineer L. F. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 9-27-67 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. KAN-2176

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Charleston

Permit No. Kan - 2176

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>Joey Jay Enterprises</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 58 Spencer, W. Va.</u>	Size			Kind of Packer
Farm <u>Ednah J. Knight</u> Acres <u>25</u>	16			Size of
Location (waters) <u>921 KB</u>	13 3/8	83	83	Depth set
Well No. <u>Elev. 911.29GL</u>	10			Perf. top
District <u>Union</u> County <u>Kanawha</u>	8 5/8	2009	2009	Perf. bottom
The surface of tract is owned in fee by	6 5/8			Perf. top
Address	5 7/16	5729	5729	Perf. bottom
Mineral rights are owned by <u>Same</u>	4 1/2			
Address	3			
Drilling commenced	2			
Drilling completed <u>10-23-67</u>	Liners Used		5778	
Date Shot From To				
With				

Open Flow /10ths Water in Inch Attach copy of cementing record.

Volume 2,650.1 Cu. Ft. CASING CEMENTED SIZE No. Ft. Date

Rock Pressure 2167# dead wt. hrs. Amount of cement used (bags) See below

Oil bbls., 1st 24 hrs. Name of Service Co.

WELL ACIDIZED (DETAILS) FEET INCHES FEET INCHES

WELL FRACTURED (DETAILS) yes FEET INCHES FEET INCHES

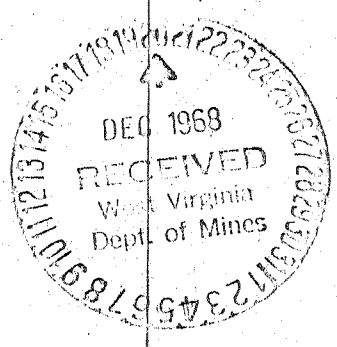
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 12,300 Mcf (17,300,000)

ROCK PRESSURE AFTER TREATMENT 2097 d. wt. HOURS

Fresh Water Feet Salt Water Feet

Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Record lost on upper part of hole							
Shale		2397					
Ferea	2397	2412					
Shale	2412	1933		Show gas	<u>Casing cemented</u>		
Corniferous	4033	5033			13 3/8"	83'	85 bags
Criskany	5033	5064			8 5/8"	2009'	175 bags
Lime	5064	5072 -			5 1/2"	5729'	150 bags
Sand	5072	5090 -					
Lime & Dolomite	5090	5781					
Newburg	5781	Gas 5782 - 85					
Total Depth			5794				



25-Aug-92

API # 47-039-02176 F

WR-35

State of West Virginia
Division of Oil and Gas

Well Operator's Report of Well Work

Name: Harper, Ronald H.

Operator Well No. E. Knight 1 - 9665

LOCATION: Elevation: 911.29 Quadrangle: Pocatalico
District: Union County: Kanawha
Latitude: 4730 Feet South of 38 Deg. 27 Min. 30 Sec.
Longitude: 1780 Feet West of 81 Deg. 40 Min. 0 Sec.

Company:

Viking Energy Corporation
P.O. Box 13366
Sissonville, WV 25360

Agent: Michael Pinkerton
Inspector: Carlos W. Hively

Permit Issued: 08-28-92

Well work Commenced: 10-06-92

Well work Completed: 10-16-92

Verbal Plugging _____

Permission granted on: _____

Rotary _____ Cable _____ Rig

Total Depth (feet) _____

Fresh water depths (ft) 200, 280,
350'

Salt water depths (ft) _____

1215 to 1360

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu.Ft.
5 1/2"		*4238'	*104 cf
2 3/8"		3962'	

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

Coal Depths (ft): _____

OPEN FLOW DATA

*See back of record

Producing formation Brown Shale Pay zone depth (ft) *

Gas: Initial open flow 169 MCF/D Oil: Initial open flow 0 Bbl/d

Final open flow 149 MCF/D Final open flow 0 Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 720 psig (surface pressure) after 24 Hours

Second producing formation _____ 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: W Thomas White Consultant

DATE: 12-31-92

Reviewed TMG
Recorded _____

JUL 30 1993

STIMULATION SUMMARY

14/20

Partial Plugging Data:

Ran 250' cement plug (150' of Class A, and 100' of Latex)
from TD (5794') to 5544'

Squeeze Cement Data:

5 1/2" Casing perforated and squeeze cemented attaining 104 cf
fill-up to 3675'. Total Depth inside 5 1/2" at 4238'.

Recompletion Data:

Devonian "Brown" Shale ⁸¹³ 3960-4090' ⁸¹³ 15 holes
75 quality foam frac, 25,000 lbs 20/40 sand

See original record for additional formation information and flow data.

TD 5794
DF 545
DFT 535

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

JUL 02 1996

WELL WORK PERMIT APPLICATION

039 2176 Frac.

Permitting Office of Oil & Gas

1) Well Operator: Gas and Energy, Inc. 50440 (9)

Operator's Well Number: E. Knight #1 9665 3) Elevation: 911.29'

Well type: (a) Oil ___ / or Gas X /

Issued 07/18/96
Expires 07/18/98

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___ /

) Proposed Target Formation(s): Berea Sand

) Proposed Total Depth: 2412 feet

7) Approximate fresh water strata depths: 200, 280, 350

8) Approximate salt water depths: 1215 to 1360

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 Berea Sand

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13 3/8			83'	83'	85 bags
Fresh Water	8 5/8			2009'	2009'	175 bags
Coal						
Intermediate	5 1/2			5729'	5729'	150 bags
Production						Estimated
Tubing	<i>Squeeze off</i>					Cons to original
Liners						4000'
PACKERS	Kind <u>Temporary Plug Back & Free</u>					Depths set <u>Consistent</u>

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Blanket Agent

(Type)

C.H. 6-3496

22250

46 20

16

RECEIVED
WV Division of
Environmental Protection
JUL 02 1996

1) Date: May 20, 1996
2) Operator's well number E. Knight #1 9665
3) API Well No: 47 - 039 - 2176-F
State County Permit

Permitting
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 Ronald H. Harper
Address 508 Guthrie Rd
Charleston, WV. 25312
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos Hively
Address 223 Pinch Ridge Road
Elk View, WV. 25071
Telephone (304)-965-6069

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Gilford T. Knight
Address 2038 Derricks Creek Road
Sissonville, WV. 25320
Name Wallace E. Knight
Address 819 16th Street
Ashland, KY. 41101
(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
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

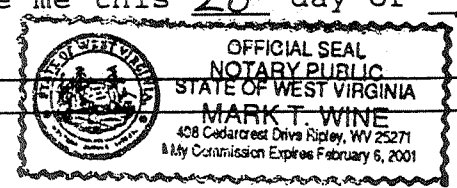
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
X Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt 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 20 day of May, 1996

Mark T. Wine
My commission expires _____



Notary Public

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

Permitting
Office of Oil & Gas Well Operator's Report of Well Work

Farm name: HARPER, RONALD H. Operator Well No.: E. KNIGHT #1

LOCATION: Elevation: 911.29 Quadrangle: POCATALICO

District: UNION County: KANAWHA
Latitude: 4730 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 1780 Feet West of 81 Deg. 40 Min. 0 Sec.

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

Agent: MICHAEL PINKERTON

Inspector: CARLOS HIVELY
Permit Issued: 07/18/96
Well work Commenced: 09/25/96
Well work Completed: 10/16/96

Verbal Plugging
Permission granted on: _____
Rotary Cable Rig

Total Depth (feet) _____
Fresh water depths (ft) 200', 280'

350'
Salt water depths (ft) 1215 to 1360

Is coal being mined in area (Y/N)? n
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
5 1/2"		2949'	
2 3/8"		2789'	

OPEN FLOW DATA

*SEE BACK OF RECORD

Producing formation SHALE Pay zone depth (ft) - * -
Gas: Initial open flow 150 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 130 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 200 psig (surface pressure) after 24 Hours

Second producing formation _____ 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: 5-13-97

PARTIAL PLUGGING DATA:

SET FRAC PLUG AT 2949' AND REMOVED

SQUEEZE CEMENT DATA:

5 1/2" CASING PERFORATED 8 HOLES 2937-39'; CEMENT WITH 150 SKS
50/50 POZ, 2% GEL, 10% SALT; WIPER PLUG AT 2913

CEMENT TOP AT 2434'; PERFORATE 4 HOLES 2404-2405'; CEMENT WITH
100 SKS 50/50 POZ, 2% GEL, 10% SALT, WIPER PLUG AT 2356

RECOMPLETION DATA:

FRAC SHALE 2654-2786 (15 HOLES)
NITROGEN FRAC 799,000 SCF N₂, 500 GAL. 15% HCL

FRAC SHALE 2384-2389 (18 HOLES)
FOAM FRAC(75Q), 27,000 LBS 20/40 SAND FROM 4-16 PPG, 364,000
SCF N₂, 500 GAL. 15% HCL, BKDN 2, 746 PSI

FRAC SHALE 2291-2362 (14 HOLES)
NITROGEN FRAC, 799,000 SCF N₂, 500 GAL. 15% HCL

SEE ORIGINAL RECORD FOR ADDITIONAL FORMATION INFORMATION AND FLOW DATA.