

1870'

Latitude 38° 35'
38° 32' 30"

Longitude 81° 40'
81° 42' 30"

Jamie
10/25/92

POCA COAL LAND CO.

I.C. & W. ASBURY

(68°)
J. M. GOFF, ET AL

(41°)
W. A. WILKINSON

W. G. YOUNG
B. J. WALKER

J. L. MCLEAN

WU-240
260A²

HUBERT FOWLER #1
(SURF)

GW-1643

(42°)
G. KELLEY
H. J. MILAM

GUS BERRY

(109°)
EARL GOFF, ET AL

H. G. MILAM

- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
PROVEN ELEVATION USGS 596

Company Viking Energy Inc.

Address PO Box 13366, Sissonville, WV 25360

Farm EARL R. GOFF, ET AL. CONSOLIDATION / GUNET. FOWLER SURFACE

Tract _____ Acres 200 Lease No. WU-240

Well (Farm) No. 1 Serial No. GW-1643

Elevation (Spirit Level) 849.97'

Quadrangle KENNA 915 / Sissonville 7.5

County KANAWHA District UNION 9

Engineer Wendell S Moore

Engineer's Registration No. 2113

File No. _____ Drawing No. W-5-68

Date 7 AUG. 68 Scale 1" = 660'

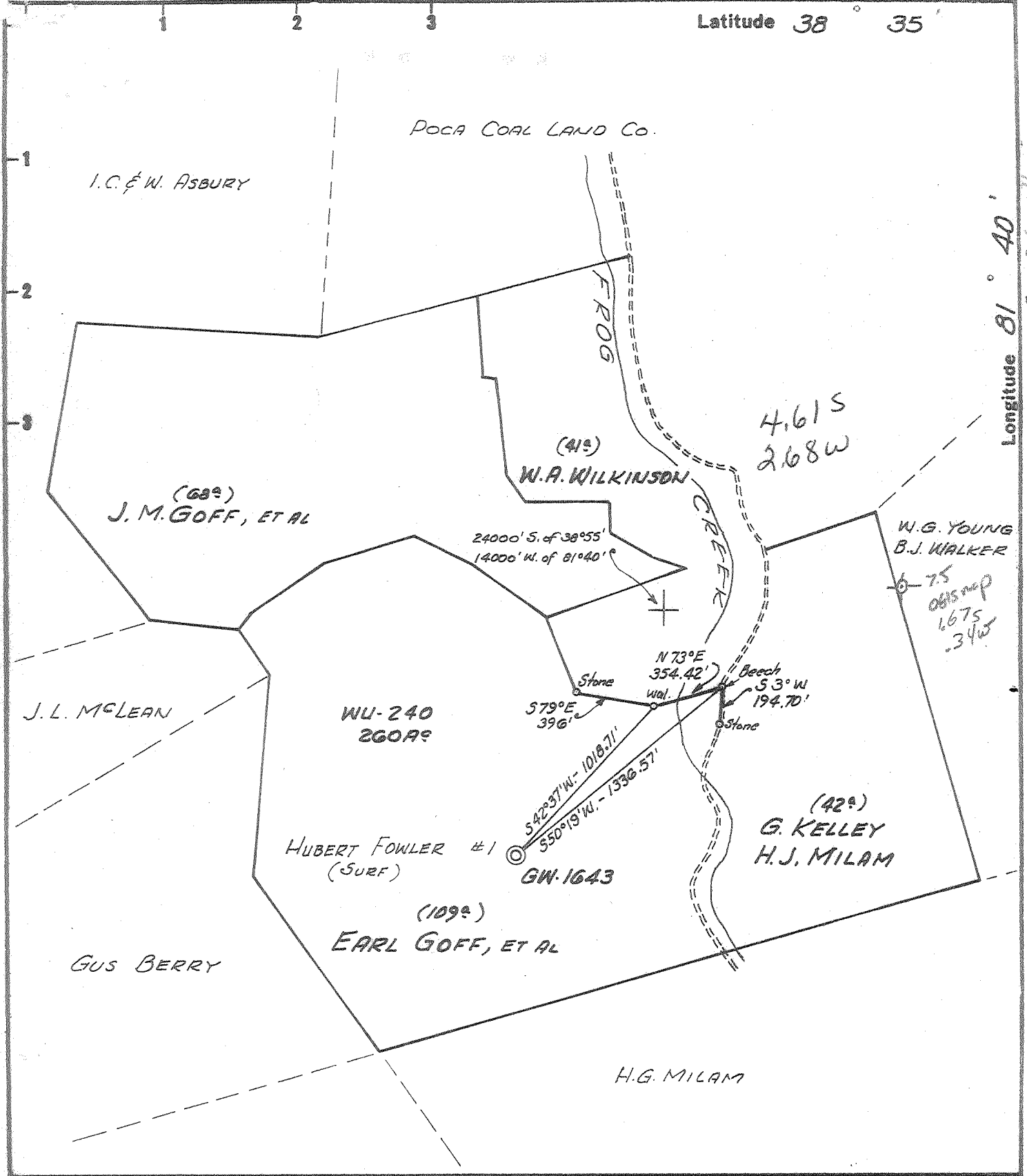
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
API Well No. 47-039-2294-7
Plug Back

+ 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.

OCT 25 1992



Fracture	<input type="checkbox"/>
Before 6/5/27	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION USGS 596

Company CITIES SERVICE OIL COMPANY

Address BOX 873 CHARLESTON, W. VA.

Farm EARL R. GOFF, ET AL CONSOLIDATION

Tract _____ Acres 280 Lease No. WU-240

Well (Farm) No. 1 Serial No. GW-1643

Elevation (Spirit Level) 849.97'

Quadrangle KENNA 9 SW

County KANAWHA District UNION

Engineer Wendell S. Moore

Engineer's Registration No. 2113

File No. _____ Drawing No. W-5-68

Date 7 AUG. 68 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. KAN-2294

+ 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.

6-6-312 Deep well

SEP 3 1968



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Kenna 9
Permit No. Kan-2294

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Cities Service Oil Company
Address P. O. Box 873, Charleston, W. Va. 25323
Farm Earl R. Goff, et al Acres 260
Location (waters) Frog Creek
Well No. "A" #1, GW-1643 Elev. 849.97'
District Union County Kanawha
The surface of tract is owned in fee by Hubert Fowler
Route #4 Address Charleston, W. Va.
Mineral rights are owned by Olive Culpepper, et al
26 Monongalia St. Address Charleston, W. Va.
(for further add. contact Cities Service)
Drilling commenced 8-31-68
Drilling completed 9-19-68
Date Shot not shot From _____ To _____
With _____

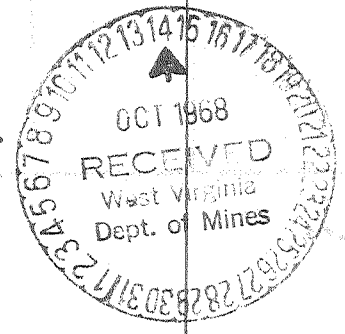
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			none
13 3/8" 48#	65'	65'	Size of
10			Depth set
8 1/4" 24#	2,081'	2,081'	
6 5/8" 17#	5,632'	5,632'	
4 1/2"			Perf. top
3"			Perf. bottom
2 3/8" 4.7#	5,576'	5,576'	Perf. top
Liners Used	<u>w / cage</u>		Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) not acidized
WELL FRACTURED (DETAILS) see reverse side

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. see reverse side
COAL WAS ENCOUNTERED AT none FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 15,440 MCF (Newburg) 15,440.000 15,400 MCF
ROCK PRESSURE AFTER TREATMENT 5 days using tubing 1880#, annulus 1885#
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Newburg Sand Depth 5684-5700' per electric logs

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface & Clay			0	50			
Sand Rock			50	75			
Red Rock			75	85			
Shale			85	308			
Red Rock & Shale			308	557			
Sand and Shale			557	849			
Shale			849	890			
Sand and Shale			890	1482			
Salt Sand			1482	1803			
Lime - <u>Big Lime</u>			1803	1927			
Sand - <u>25'</u>			1927	1980			
Shale			1980	2383			
Sand <u>Coarse?</u>			2383	2427			
Shale			2427	4837			
Lime			4837	5303			
Lime & Shale			5303	5667			
Newburg Sand			5667	5670			
Shale		<u>McKenzie</u>	5670	5688			
Total depth				5688'	Drillers' Meas.		
Electric Logs showed				5706'	Electric Logs		
Newburg			5684	5700			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
CASING RECORD							
9-1-68							Set and cemented 13-3/8" 48# H-40 new casing at 78 KBM with 100 sacks of regular cement with 3% calcium chloride.
9-6-68							Set and cemented 8-5/8" 24# H-40 and J-55 new casing and B-grade casing at 2,080' with 396 sacks of Pozmix and 100 sacks regular cement with 2% calcium chloride. Pumped 50 bbls. 6% gel with lost circulation material ahead of cement. Cement circulated to the surface. Insert at 2,049'. Centralizers 2,049', 1,952', 1,860', 1,772', 1,655' and 1,557'.
9-19-68							Set 5-1/2" 17# J-55 new casing with Whirler Guide Shoe at 5657' (per logs) Cemented casing with 137 sacks Pozmix followed with 35 sacks Latex Cement. Pumped 250 bbls. gel ahead of cement. Good circulation of gel while cementing. Insert at 5,600'. Centralizers 5,600', 5,502', 5,405', 5,309', 5,212' and 5,117'.
9-26-68							Ran Schlumberger Gamma Ray, Caliper, Compensated Formation Density and Induction Logs.
9-27-68							Fractured the Newburg Sand. Pumped in 500 gallons mud acid and 1,000 gallons regular 15% acid. Displaced acid and fractured Newburg Sand with 20,000# 20-40 sand in 19,000 gallons gelled water. Maximum treating pressure 5,000#. Average treating pressure 4,289#. Immediate shut in pressure 4,200#. 10 minute S.I. pressure 2,800#. AIR 20.5 bbls/min. Used 675 bbls. total fluid. Used 55 gallons Baroid B-11. Flowed well one hour and shut in.
10-9-68							Final open flow 15,440 MCFD - 5 day SIP tubing 1,880#, annulus 1,885#

Date October 10, 19 68

APPROVED Cities Service Oil Company, Owner

By L. D. Todd, District Sup't
(Title)

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

Well Operator's Report of Well Work

Farm name: FOWLER, JUNE T. Operator Well No.: E.GOFF #1-9495

LOCATION: Elevation: 849.97 Quadrangle: KENNA

District: UNION County: KANAWHA
Latitude: 8810 Feet South of 38 Deg. 32Min. 30 Sec.
Longitude 1870 Feet West of 81 Deg. 42 Min. 30 Sec.

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

Agent: MICHAEL PINKERTON

Inspector: CARLOS W. HIVELY
Permit Issued: 10/22/92
Well work Commenced: 10/24/92
Well work Completed: 10/25/92
Verbal Plugging
Permission granted on: N/A
Rotary Cable Rig
Total Depth (feet) N/A
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 ³ / ₈	65	65	
8 ¹ / ₄	2,081	2,081	
5 ¹ / ₂	5,632	5,632	
2 ³ / ₈	5,576'	1,125	

OPEN FLOW DATA

Producing formation N/A Pay zone depth (ft) N/A
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 N/A Hours
Static rock Pressure N/A psig (surface pressure) after Hours

Second producing formation N/A Pay zone depth (ft) N/A
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 N/A Hours
Static rock Pressure N/A 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: Michael Pinkerton
VIKING ENERGY CORPORATION
By: Michael Pinkerton
Date:

10-24-92

RAN 250 FT CEMENT PLUG 150 FT OF CLASS
A 100 FT OF LATEX CEMENT
FROM 5688 TO 5488

PULLED 4563 OF 2 $\frac{3}{4}$ TUBING LEFT
1125 IN HOLE BECAUSE OF COST ~~OF~~

RIG DOWN MOVED RIG WILL GO BACK
LATER RAMP COMPLETE THE DER. SHALE

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

- 1) Well Operator: Viking Energy Inc. 51440 (9) 415
- 2) Operator's Well Number: E. Goff #1 WV9495 3) Elevation: 849.97
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Shale Sand 441
- 6) Proposed Total Depth: 4837 feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: _____
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Perforate and Fracture Shale Sand
- 12) Temporary Possible Permanent? Plug Back & Trace New Formation

Send Show on completion Report

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	13 3/8			65'	65'	100 bags
Fresh Water	8 1/4			2081'	2081'	496 bags
Coal						
Intermediate	5 1/2			5632'	5632'	173 bags
Production	2 3/8			5576'	5576'	
Tubing						
Liners						

Electricity records from well records

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

3495/33
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond C D Blanket Agent
 (Type)

SEP 3 0
Permitting
Office of Oil & Gas

- 1) Date: September 15, 1992
- 2) Operator's well number
E. Goff #1 WV9495
- 3) API Well No: 47 - 039 - 2294 -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 June T. Fowler
Address RT 4 Box 242
Charleston, WV 25312
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name William Tabit & Robert Tabit
Address P. O. Box 923
Montgomery WV. 25136
 - 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:

- _____ Personal Service (Affidavit attached)
- X 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 Viking 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 24 day of September, 1992

My commission expires _____



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARK T. WINE

Mark T. Wine Notary Public