

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 4565 681

Company Viking Energy 1095  
 Address P.O. Box 13366, Simpsonville, W.V. 25360  
 Farm H.R. GODBEY ET AL  
 (Part of 271.01 AC)  
 Tract \_\_\_\_\_ Acres 43.06 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 636.06  
 Quadrangle ST. ALBANS 15 & 7.5  
 County KANAWHA District UNION 9  
 Engineer Wendell Moore  
 Engineer's Registration No. 2113  
 File No. \_\_\_\_\_ Drawing No. A-3-68  
 Date 13 FEB 68 Scale 1" = 600'

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

WELL LOCATION MAP  
API Well No. 47-039-2220 Frac.  
Plus Back

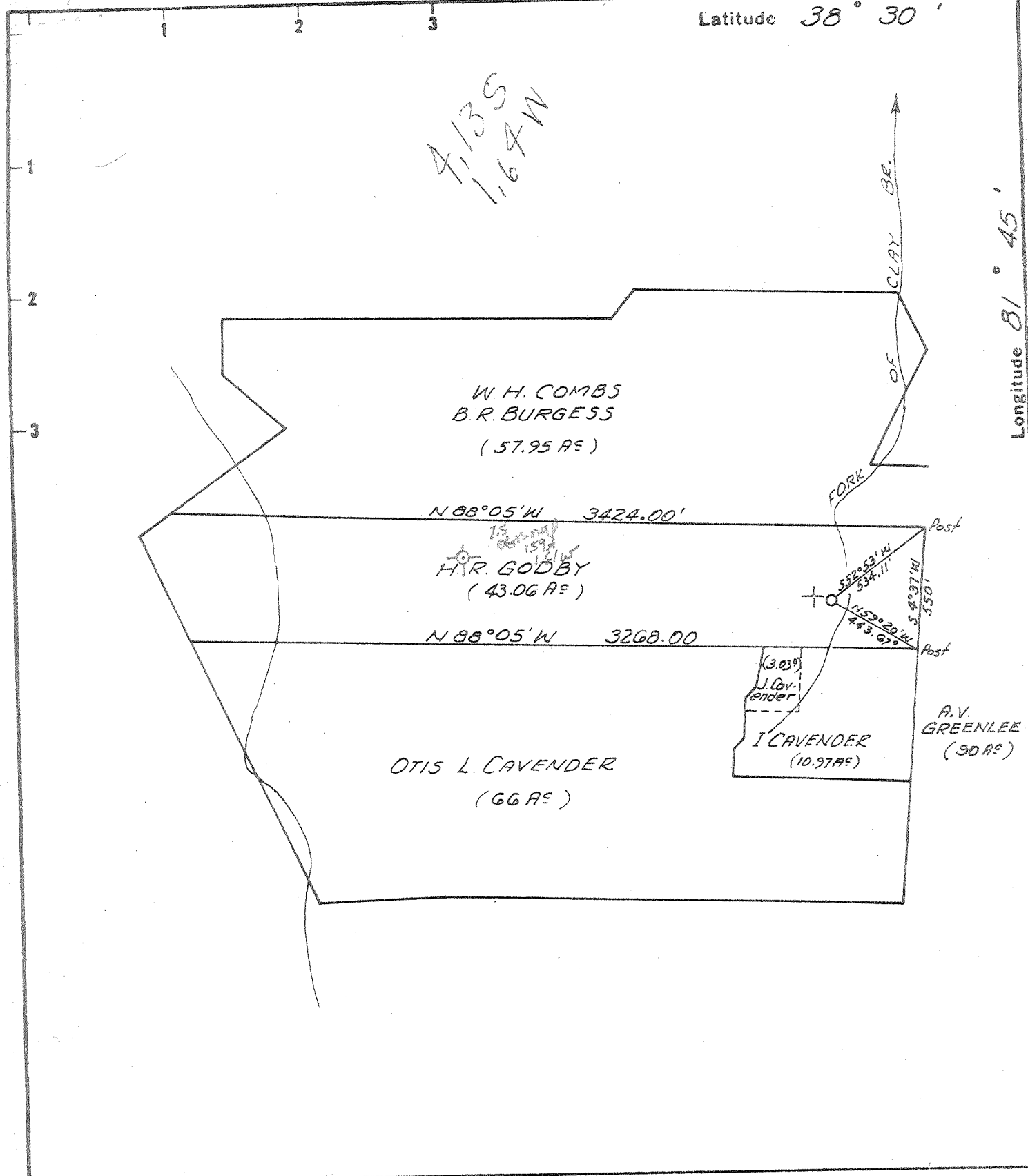
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown. DEC 18 1992

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

DEEP WELL 00000 6.6 Elk - Pass (Simpsonville) (100)

Latitude 38° 30'

Longitude 81° 45'



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 681

Company WOSK - MITCHELL  
 Address 912A GOFF BLDG., CLARKSBURG, W.V.A.  
 Farm H. R. GODBEY ET AL  
 (Part of 271.01 AC)  
 Tract \_\_\_\_\_ Acres 43.06 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 636.06  
 Quadrangle ST. ALBANS NE  
 County KANAWHA District UNION  
 Engineer Wendell S. Moore  
 Engineer's Registration No. 2113  
 File No. \_\_\_\_\_ Drawing No. A-3-68  
 Date 13 FEB 68 Scale 1" = 600'

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

WELL LOCATION MAP  
 FILE NO. KAN-2220

+ 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 (Newburg)



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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle  
Permit No. KAN-2220

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company L. David Wosk & John W. Mitchell  
Address 912-A Goff Bldg., Clarksburg, W. Va.  
Farm H. Ray Godbey Acres 43  
Location (waters)  
Well No. 1 Elev. 636.06  
District Union County Kanawha  
The surface of tract is owned in fee by H. Ray Godbey  
5335-A Koontz Dr. Address Charleston, W. Va.  
Mineral rights are owned by same as above

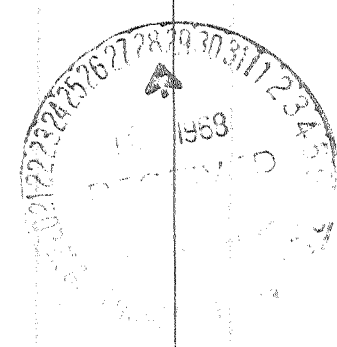
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	201.50	201.50	
10 9/8	1746.55	1746.05	Size of
8 1/4			
6 3/4	5193.00	5193.00	Depth set
5 3/16			
4 1/2			
3			Perf. top
2 Tubing		5241	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 2-22-68  
Drilling completed 3-6-68  
Date Shot From To  
With  
Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume 10.5 MMCF Cu. Ft.  
Rock Pressure 1846.5 lbs. 48 hrs.  
Oil bbls., 1st 24 hrs.

Attach copy of cementing record.  
CASING CEMENTED SIZE No. Ft. Date  
Amount of cement used (bags) see other side  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) 3-19-68 - 1000 gals H<sub>2</sub>O + 1000 lbs J-111, 600 lbs, J-84  
20 gal Fre Flo, 35 gal - F-52, 50 sx KCl, 29000 #20-40 sand, Rate 24 BPM, 3756 psig  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 58.2 MMCF 58,200 MCF  
ROCK PRESSURE AFTER TREATMENT 1846.5 HOURS 48  
Fresh Water X Feet 30', 130' Salt Water X Feet 1050', 1250'  
Producing Sand Newburg Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & shale			surface	1010	water	30', 130'	fresh
Salt sand			1010	1460		1050', 1250'	salt
Little lime			1460	1481			
Big lime			1481	1606			
Shale			1606	1614			
Injun sand			1614	1667			
Shale & siltstone			1667	2092			
Berea sand			2093	2105			
Shale & siltstone			2105	4455			
Corniferous			4455	4539			
Oriskany			4539	4554			
Lime & dolomite - <u>McKenzie</u>			4554	4719			
Silurian (lime & dolomite)			4719	5168			
Dolomite, anhydrite, lime			5168	5253			
Newberg			5253	5265			
Silt, dolomite, lime			5265	5287			



Formation	Color	Hard or Soft	Top <sup>5</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Casing Record							
							Set 13-3/8 csg. @ 201.50' and cemented w/160 sx + 2% CaCl <sub>2</sub>
							Set 9-5/8 csg. @ 1746.05' and cemented w/150 sx + 2% CaCl <sub>2</sub>
							Set 7" N-80, 23# csg. @ 5193' and cemented w/150 sx of regular cement

Date March 22, 1968

APPROVED Wosk & Mitchell, Owner

BY J. H. Diddle  
(Title)

16-Dec-92

API # 47-039-02220 F

State of West Virginia  
Division of Oil and Gas

Well Operator's Report of Well Work

Name: Godby, Clifford R.

Operator Well No. H. Godby #1

LOCATION: Elevation: 636.06  
District: Union  
Latitude: 8510 Feet South of 38  
Longitude: 8530 Feet West of 81

Quadrangle: St. Albans  
County: Kanawha  
Deg. 27 Min. 30 Sec.  
Deg. 47 Min. 30 Sec.

Company:

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

Agent: Michael Pinkerton

Inspector: Carlos W. Hively

Permit Issued: 12-16-92

Well work Commenced: 12-28-92

Well work Completed: 01-02-93

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary \_\_\_\_\_ Cable \_\_\_\_\_ Rig

Total Depth (feet) 3827'

Fresh water depths (ft) n/a

Salt water depths (ft) n/a

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu.Ft.
7"		*3900'	*75 cf
2 3/8"		3715'	

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

Coal Depths (ft): \_\_\_\_\_

\*See Back

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 3800'

Gas: Initial open flow 357 MCF/D Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 247 MCF/D Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 6 Hours

Static rock Pressure 710 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

Reviewed TMG

Recorded \_\_\_\_\_

BY: Andrew D. Waggoner Consultant

DATE: 12-29-92

JUL 30 1993

STIMULATION SUMMARY

Partial Plugging Data:

Set 5.61 bridge plug at 4300'

Squeeze Cement Data:

7" Casing perforated at 3900' and squeeze cemented to attain  
75' of fill-up to an estimated 3400'.  
Total Depth inside 7" at 3827'.

Recompletion Data:

Devonian "Brown" Shale <sup>813 813</sup> 3626-3781' 21 holes  
75 Quality foam frac, 40,000 lbs 20/40 sand

See original record for additional formation information and flow data.

TO 5287

OF-545

DFT-535

16572

039-2220-Frac  
Issued 12/16/92

16512

FORM WW-2B DEC 0 4 92

Page of

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

Expires 12/16/94

- 1) Well Operator: Viking Energy Inc. 51440 (9)
- 2) Operator's Well Number: H. Godbey #1 WV9728 3) Elevation: 636.00
- 4) Well type: (a) Oil / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Shale Sand 4411
- 6) Proposed Total Depth: 4455 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) SET TEMP IN NEWBERG SET Temporary Assembly Permanent Sinter Plug

*Shale & frac shale hole*

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	13 3/8			201.50	201.50	160 bags
Fresh Water	9 5/8			1746.55	1746.55	150 bags
Coal						
Intermediate	7			5193	5193	150 bags
Production						<i>Empty from well record</i>
Tubing	2			5241	5241	
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

16512

For Division of Oil and Gas Use Only

3876/42

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

RECEIVED  
Environmental Protection  
DEC 04 92  
Permitting  
Office of Oil & Gas

1) Date: November 30, 1992  
2) Operator's well number  
H. Godbey #1 WV9728  
3) API Well No: 47 - 39 - 2220 -FRAC  
State - County - Permit

STATE OF WEST VIRGINIA  
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 Clifford R. Godbey  
Address 5222 Dewit Rd  
Charleston, WV. 25313  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Carlos Hivley  
Address 223 Pinch Ridge Road  
Elk View, WV. 25071  
Telephone (304)- \_\_\_\_\_

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name NO COAL  
Address \_\_\_\_\_  
(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 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)  
 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 Hinkley  
Its: Designated Agent  
Address PO. Box 13366  
Sissonville, WV. 25360  
Telephone 304-984-3389

Subscribed and sworn before me this 4 day of December, 1992

Mark T. Wain Notary Public

My commission expires \_\_\_\_\_

