

349  
447

ELEVATION BY SPIRIT LEVELING FROM INTERSECTION OF U.S. RT. 21 AND W.VA. SEC. RT. 21/25 - EL. 747.00

ACCURACY: 1' IN 1000'

"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 . . . .
- Redrill . . . . .
- Abandonment . . . .

Company Viking Energy 1571095  
 Address P.O. Box 13366, Sissonville, W.V. 25360  
 Farm L. S. HAYNES / Cecil Haynes  
 Tract \_\_\_\_\_ Acres 14.5 ± Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 844.12  
 Quadrangle CHARLESTON 15 / Potomac 7.5  
 County KANAWHA District UNION 9  
 Engineer J. A. [Signature]  
 Engineer's Registration No. 1341  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 1-10-68 Scale 1" = 200'

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

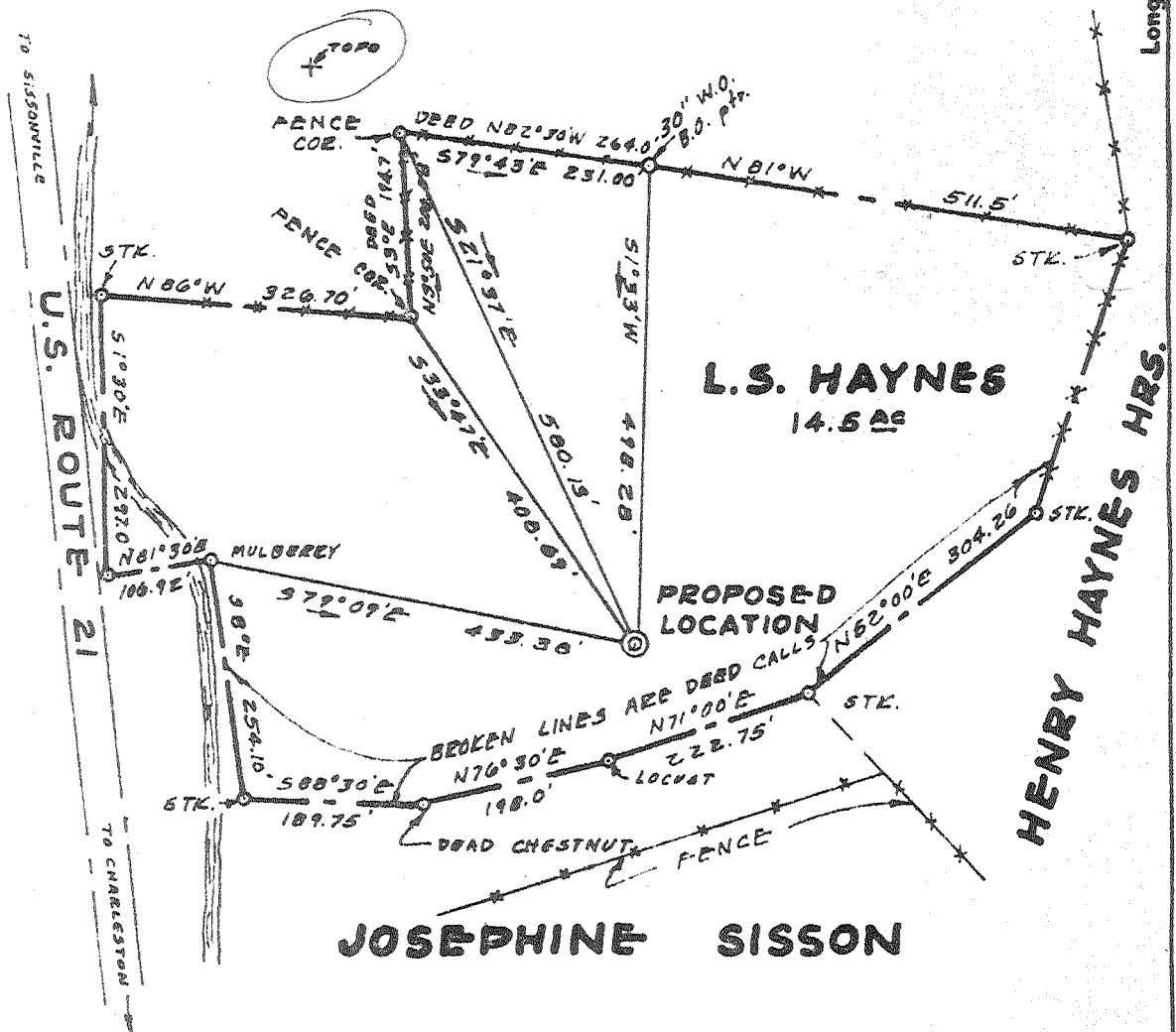
**WELL LOCATION MAP**  
API Well No. 47-039-2214-FAC  
 According to DEP and Lower Plus back of  
 Completed 5-13-94  
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

SEP 11 1997

Latitude 38 30

7.5  
OGIS map  
.605  
2170

**BEN WHITTINGTON**



Longitude 81° 35' 30"

**L.S. HAYNES**  
14.5 AC

**JOSEPHINE SISSON**

ELEVATION BY SPIRIT LEVELING FROM INTERSECTION OF U.S. RT. 21 AND W.VA. SEC. RT. 21/25 - E.L. 747.00

ACCURACY: 1' IN 1000'

"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
- Redrill
- Abandonment

Company **JOEY JAY ENTERPRISES**  
 Address **BOX 781 CHARLESTON, W.VA.**  
 Farm **L. S. HAYNES**  
 Tract \_\_\_\_\_ Acres **14.5 ±** Lease No. \_\_\_\_\_  
 Well (Farm) No. **1** Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) **844.12**  
 Quadrangle **CHARLESTON N.W.**  
 County **KANAWHA** District **UNION**  
 Engineer **R. A. [Signature]**  
 Engineer's Registration No. **1341**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **1-10-68** Scale **1" = 200'**

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

**WELL LOCATION MAP**  
FILE NO. **KAN-2214**

+ 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 .....

Permit No. KAN 2214

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company Joey Jay Enterprises, Inc.  
Address 62 N. Abney, Charleston, W. Va.  
Farm L. S. Haynes Acres.....  
Location (waters) .....

Well No. 1 Elev. 844.12  
District Union County Kanawha  
The surface of tract is owned in fee by L. S. Haynes  
Address Charleston, W. Va  
Mineral rights are owned by L. S. Haynes  
Address Charleston, W. Va.  
Drilling commenced 2-10-68  
Drilling completed 2-27-68  
Date Shot..... From..... To.....  
With .....

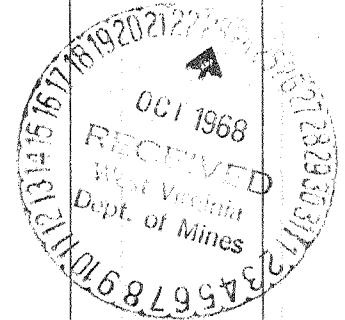
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16			
13 3/8	251	251	
10			Size of.....
8 1/2 9-5/8	1960	1960	
6 3/4 7	5700	5700	Depth set.....
5 3/16			
4 1/2			
3			Perf. top.....
2 Tubing	5730	5700	Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch  
Volume 1 MMCF Cu. Ft.  
Rock Pressure 2105 lbs..... hrs.  
Oil..... bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS).....  
WELL FRACTURED (DETAILS) 1000 Bbls water + KCl, 26,000 #20-40 sand

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

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 2 MMCF  
ROCK PRESSURE AFTER TREATMENT 2105 HOURS 24  
Fresh Water..... Feet..... Salt Water..... Feet.....  
Producing Sand Newburg Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	1655			
Shale & Lime			1655	1700			
Big Lime			1700	1867			
Injun Sand			1867	1900			
Sand & Shale			1900	1971			
Shale & Shells			1971	4870			
Onondaga			4870	4930			
Oriskany			4930	4970			
Lime & Dolomite			4970	5730			
Newburg			5730	5745			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
13-3/8 casing set @ 251' and cem. w/200 sacks 9-5/8 casing set @ 1960' and cem. w/175 sacks 7" casing set @ 5700 and cem. w/150 sacks							

Date August 15, 1968, 19

APPROVED *Joseph R. Jay*, Owner  
By \_\_\_\_\_ (Title)

039-2214-Frac

Issued 9/10/92

Page of

Expires 9/10/94

FORM WW-2B

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

51440 (9) 389

- 1) Well Operator: Viking Energy, Inc.
- 2) Operator's Well Number: L. S. Haynes #1 9666 3) Elevation: 844.12
- 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: 4870 feet
- 7) Approximate fresh water strata depths: NA
- 8) Approximate salt water depths: NA
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes   / No X/

11) Proposed Well Work: Perforate and Fracture Shale Sand

*Set temp. possibly permanent bridge plug. frad epist. well up hole*

*if permanent plug fill out*

CASING AND TUBING PROGRAM

TYPE	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	133/8			251'	251'	200 bags
Fresh Water	9 5/8			1960'	1960'	175 bags
Coal						
Intermediate	7			5700'	5700'	150 bags
Production						
Tubing	2			5730		
Liners						

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

For Division of Oil and Gas Use Only

3384 30

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

1) Date: August 20, 1992  
2) Operator's well number  
L. S Haynes #1 ~~XXXXX~~ 9666  
3) API Well No: 47 - 039 - 2214 -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 Cecil Haynes  
Address 5440 Sissonville Drive  
Charleston, WV. 25312
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name Cecil Haynes  
Address 5440 Sissonville, Drive  
Charleston, WV. 25312
- 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 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 26 day of August, 19 92

My commission expires \_\_\_\_\_  
Notary Public

