

Minimum Error of Closure 1:200

Source of Elevation U.S. Gov. B.M. Elev. 715.00 Loc. 1.5 miles west of W. Va. 10 on long Br. Road.

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: James R. Hager
Squares: N S E W

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

Map No. _____

Company FRANKLIN ADKINS

Address 35 VALLEY VIEW DR. VIENNA, W. VA.

From GEORGE MESSINGER

Tract 25 Acres _____ Lease No. _____

Well (Farm) No. 2 Serial No. _____

Elevation (Spirit Level) 638.00 SW

Quadrangle WEST HAMLIN, MILTON 15'

County LINCOLN District SHERIDAN

Surveyor James R. Hager

Surveyor's Registration No. KY. 1532

File No. _____ Drawing No. _____

Date AUG. 29, 1975 Scale 1" = 500'

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

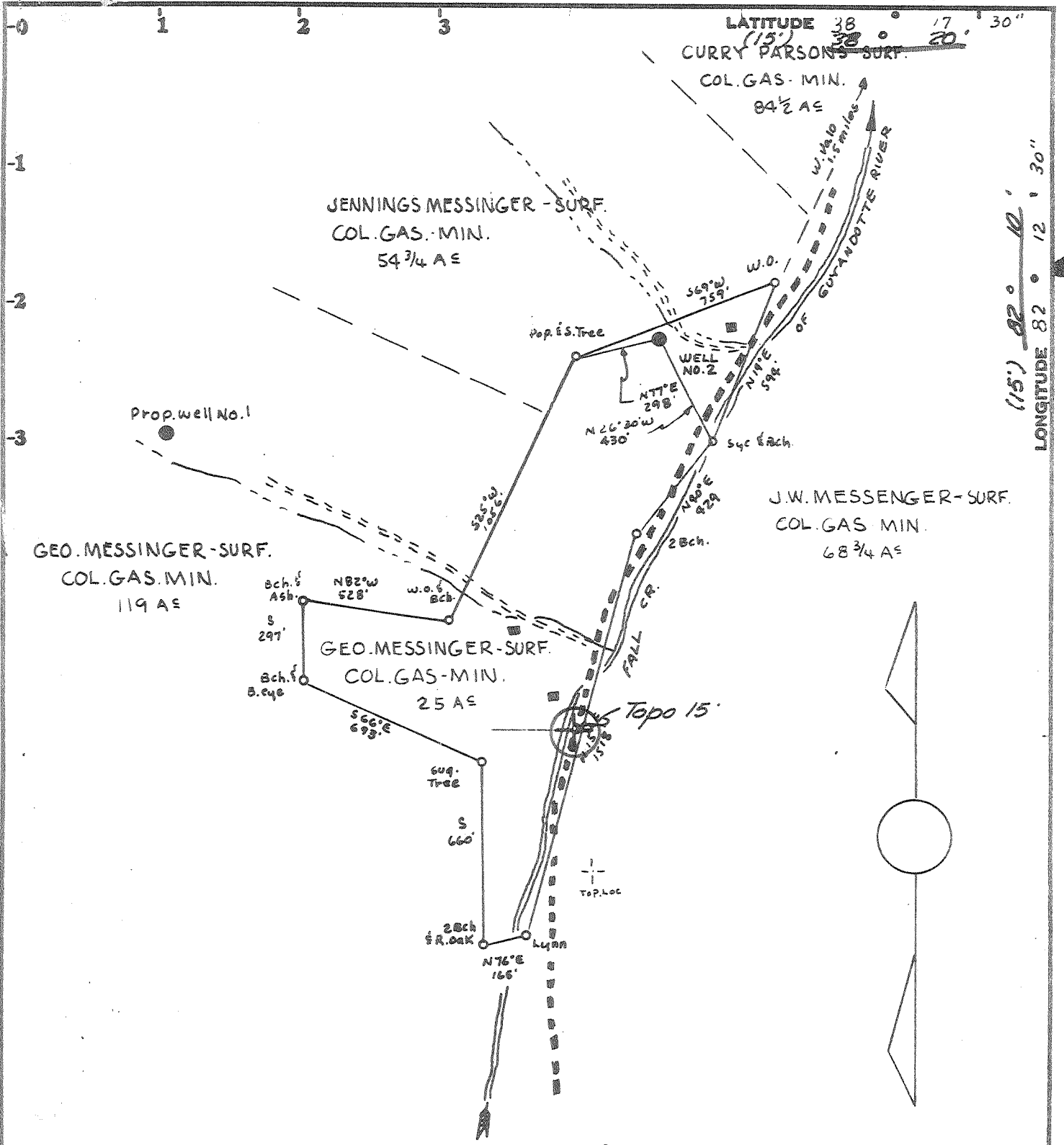
WELL LOCATION MAP
FILE NO. LIN-1625-Rev.

+ Denotes location of well on United States Topographic Maps, scale 1 to 24000, latitude and longitude lines being represented by border lines as shown.

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

47-043

5000' Clinton Deep well



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Signed: *James R. Hager*

PART PLUG 5/10/76
 Fracture.....
 New Location.....
 Drill Deeper.....
 Abandonment.....

Map No. _____ Squares: N S E W

Company	FRANKLIN ADKINS
Address	35 VALLEY VIEW DR. VIENNA, W.VA.
Farm	GEORGE MESSENGER
Traet	25 Acres _____ Lease No. _____
Well (Farm) No.	2 Serial No. _____
Elevation (Spirit Level)	638.00 SW
Quadrangle	WEST HAMLIN, Milton 15'
County	LINCOLN District SHERIDAN
Surveyor	James R. Hager
Surveyor's Registration No.	KY. 1532
File No.	_____ Drawing No. _____
Date	AUG. 29, 1975 Scale 1" = 500'

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

WELL LOCATION MAP

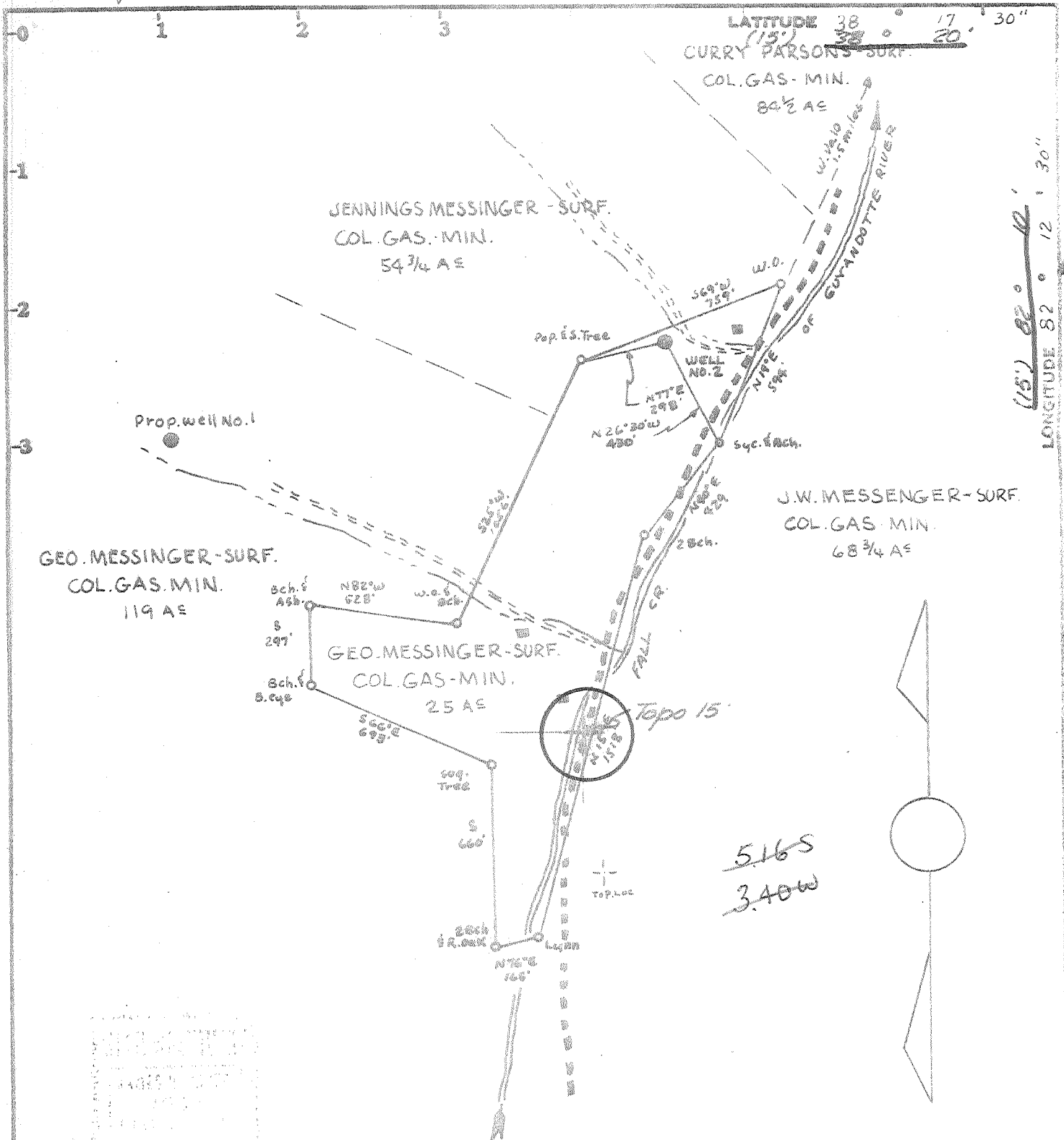
FILE NO. LIN-1625-Rev-PP

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47-043

12/15/15



Minimum Error of Closure 1:200

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

Signed: James R. Hager
 Squares: N S E W

Company FRANKLIN ADKINS
 Address 35 VALLEY VIEW DR., VIENNA, W.VA.
 Farm GEORGE MESSENGER
 Tract 25 Acres _____ Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 638.00 SW
 Quadrangle WEST HAMLIN, Milton 15'
 County LINCOLN District SHERIDAN
 Surveyor James R. Hager
 Surveyor's Registration No. KY. 1532
 File No. _____ Drawing No. _____
 Date AUG. 29, 1975 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. LIN-1625-REV

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47-043

Deep well 3300 ~~W. Hamlin (209)~~
 0Ww. 6-6 East Lynn-Crete (231)



RECEIVED

MAR 22 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle West Hamlin

Permit No. Lin- 1625
47-043

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Franklin Adkins
Address Vienna, W. Va. 26101
Farm George Messenger Acres 25
Location (waters) Falls Creek
Well No. 2 Elev. 638
District Sherridan County Lincoln
The surface of tract is owned in fee by _____
George Messenger
Address Branchland, West Va.
Mineral rights are owned by Columbia Gas Trans. Corp.
Address Charleston, W. Va.
Drilling Commenced Sept. 1975
Drilling Completed Dec. 1975
Initial open flow show cu. ft. No bbls.
Final production 150,000 cu. ft. per day No bbls.
Well open 2 hrs. before test 504 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8	260	260	125 sks. B/T/S
8 5/8			
7	2044	2044	50 sks.
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Shot Brown Shale from 3,091 back to 2,651 feet with 4,500 # of 80% Gelatin.
Fractured Berea Sand with 500 gals. of acid, 21,800 # of 20/40 mesh sand,
10 gals. of F-52 foaming agent, 3,200 # of M-117, 150 # of
J-209, 385 bbls. of water.

Coal was encountered at No Feet _____ Inches _____
Fresh water 20 Feet _____ Salt Water 800 Feet _____
Producing Sand Brown Shale Depth 2,651-3,091

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	10		
Slate & Sand			10	800	Water 10'	Hole Full
Sand			800	1180	Water 900'	Hole Full
Lime			1180	1360		
Sand			1360	1460		
Slate			1460	1870		
Berea Sand			1870	1880		
Slate			1880	2850		
Shale (Brown)			2850	3100		
Shale (Grey)			3100	3360		
Shale (Dark)			3360	3466		
Lime - <u>Onondaga</u> & <u>Helderberg</u> ?			3466	4280		
Slate			4280	4525		
Sand Broken <u>Williams point</u>			4525	4550		
Slate			4550	4604		
Sand - <u>Keokuk</u> ?			4604	4618		
Slate			4618	4688		
Sand - <u>Tuscarora</u> ?			4688	4696		
Slate - <u>Tuscarora</u> ?			4696	4763		

4763
638
-4125 T.D.

Franklin Adkins
Partner
1/20/76

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 2 - 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

Ry

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 1, 1975
Company Franklin Adkins
Address Vienna, WVa.
Farm George Messenger Acres 25[±]
Location (waters) Falls Creek
Well No. Two Elevation 638
District Sheridan County Lincoln
Quadrangle West Hamlin

Surface Owner George Messenger
Address Branchland, WVa.
Mineral Owner Columbia Gas Trans Corp.
Address Charleston, WVa.
Coal Owner Columbia Gas Trans Corp.
Address Charleston, WVa.
Coal Operator None
Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 1-2-76 ^{Rev.} 1-8-76

Robert L. Ford
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PH: 736-4885 ADDRESS Barboursville, WVa.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 14 1975 by Columbia Gas Trans. Corp. made to Franklin Adkins and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) Franklin Adkins
Well Operator
35 Valley View Dr.
Street
Vienna, WVa.
City or Town

State

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

REVISED PERMIT ISSUED 9-8-75
CHANGE IN ESTIMATED DEPTH.

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BOND DRILL

LIN-1625-REV.
LIN-1625 PERMIT NUMBER
47 043

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clint Hurt & Assoc. NAME Franklin Adkins
 ADDRESS Midland, Texas ADDRESS Vienna, W. Va.
 TELEPHONE _____ TELEPHONE 295-6724
 ESTIMATED DEPTH OF COMPLETED WELL: 5000' ~~2300'~~ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Be State Clinton
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR-SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	250	250	90 SKS
8 - 5/8			
7	2100	2100	60 SKS
5 1/2			
4 1/2			
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 20 FEET SALT WATER 1000 FEET
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.
 TO DRILL DEEPER OR REDRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.
 TO FRACTURE - STIMULATE:
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.
 WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
 We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 2 - 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner George Messenger
Address Branchland, W. Va.
Mineral Owner Columbia Gas Trans. Corp.
Address Charleston, W. Va.
Coal Owner Columbia Gas Trans. Corp.
Address Charleston, W. Va.
Coal Operator None
Address _____

DATE September 1, 1975
Company Franklin Adkins
Address Vienna, W. Va.
Farm George Messenger Acres 25
Location (waters) Falls Creek
Well No. Two Elevation 638.
District Sheridan County Lincoln
Quadrangle West Hamlin

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-2-76.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PH: 736-4885 ADDRESS Barboursville
W. Va.

GENTLEMEN:

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Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) Franklin Adkins
Well Operator

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City or Town
W. Va. 26105
State

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Lin-1625 PERMIT NUMBER
47-043

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 ADDRESS Midland, Texas ADDRESS Vienna, WVa.
 TELEPHONE _____ TELEPHONE 295-6724
 ESTIMATED DEPTH OF COMPLETED WELL: 3300 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Br. Shale
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

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			Perf. Bottom

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For Coal Company

Official Title