



Minimum Error of Closure 1 IN 200

Source of Elevation ELEVATION AT 4 OF 1905

Minimum Error of Closure $\pm 1/2$ MI NE (1730)

"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 mines and coal of West Virginia."

- New Location
- Drill Deeper
- Abandonment

Company _____
 Address LDR
 City PHILADELPHIA, PA.
 Fract' CE Tomes Acres _____ Lease No. _____
 Well (Farm) No. _____ Area 101.8 Serial No. _____
 Elevation (Spirit Level) 1211 Serial No. _____
 Quadrangle (Spirit Level) 1211 NW
 County Brown District Philip
 Engineer HARRISON District SIMPSON
 Engineer's Registration No. _____
 File No. _____ Drawing No. 710
 Date 3-26-77 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. HAR-1237

15 + 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.

1" Denotes one inch spaces on border line of original tracing.

47-033

Scale 1" = 200'
4600' BENSON

GLADE RUN 300
FAYEAR DRAIN 346



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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AUG 14 1978

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 10

Quadrangle Brownnton

Permit No. HAR-1237

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

Company <u>Appalachian Energy, Inc. d/b/a LDR</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>728 Washington Rd., Pittsburgh, PA 15228</u>	Size			
Farm <u>C. E. Tomes #1</u> Acres <u>101.8</u>	Cond.			
Location (waters) <u>Brushy Fork</u>	<u>13-10" 11 3/4"</u>	<u>14</u>	<u>14</u>	
Well No. <u>A-E-9</u> Elev. <u>1211'</u>	<u>9 5/8</u>			
District <u>Simpson</u> County <u>Harrison</u>	<u>8 5/8</u>	<u>975</u>	<u>975</u>	<u>155</u>
The surface of tract is owned in fee by <u>Charles E. Tomes, et ux</u>	<u>7</u>			
Address <u>129 Ridgeway Dr., Bridgeport WV</u>	<u>5 1/2</u>			
Mineral rights are owned by <u>Charles E. Tomes, et ux</u> Address <u>Same as Surface</u>	<u>4 1/2</u>	<u>3750</u>	<u>3750</u>	<u>450</u>
Drilling Commenced <u>5-11-78</u>	<u>3</u>			
Drilling Completed <u>5-15-78</u>	<u>2</u>			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production <u>169</u> cu. ft. per day _____ bbls.				
Well open <u>72</u> hrs. before test <u>925#</u> RP.				

Well treatment details: Attach copy of cementing record.

Perforation Record	From - To	Amt. Fluid	Amt. Sand	Average Rate
Date Interval Perforated		BBLs	#	
<u>6-14-78</u>	<u>3626-3645</u>	<u>650</u>	<u>15,000</u>	<u>32</u>
			<u>45,000</u>	
	<u>2419-2432</u>	<u>550</u>	<u>15,000</u>	<u>32</u>
			<u>30,000</u>	

Coal was encountered at 119', 265', 398', 540', 705' Feet _____ Inches
Fresh water 40', 175', 285' Feet _____ Salt Water _____ Feet _____
Producing Sand Balltown, 5th Depth 3626-3645', 2419-2432'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Kelly Bushing To G. L.			0	12		Drillers' Log
Shale			12	58	F. W. @ 40'	"
Sand			58	119		"
Coal			119	122		"
Shale			122	138		"
Sandy Shale			138	165		"
Sand			165	190	F. W. @ 175'	"
Sandy Shale			190	195		"
Shale			195	205		"
Sand			205	230		"
Shale			230	265		"
Coal			265	270		"
Sand			270	290	F. W. @ 285'	"
Shale			290	398		"
Coal			398	401		"
Shale			401	430		"
Sand			430	540		"
Coal			540	544		"
Sand			544	680		"
Shale			680	705		"
Coal			705	710		"
Shale			710	730		"
Sand			730	825		"

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet <i>10</i>	Bottom Feet	Oil, Gas or Water	* Remarks
Sandy Shale			825	895		"
Sand			895	995		"
Shale			995	1083		"
Sand			1083	1125		"
Shale			1125	1225		"
Sand & Shale			1225	1359		"
Red Rock			1359	1422		"
Little Lime			1422	1430		"
Shale			1430	1457		"
Big Lime			1457	1640		"
Sand			1640	1800		"
Sand & Shale			1800	2160		"
Shale			2160	2420		"
Sand			2420	2460		"
Shale			2460	3259		"
Sand & Shale			3259	3700		"
Shale			3700	4140		"
Sand <i>Benson</i>			4140	4188		"
Shale			4188	4526		"
Drillers T. D.				4526		"

Date August 8, 1978

APPROVED *Donald R. Laughlin*, Owner

By Donald R. Laughlin,
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

MAY 8 1978

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 7, 1978

Surface Owner Charles E. Tomes, et ux
Address 129 Ridgeway Dr., Bridgeport, WV 26330
Mineral Owner Charles E. Tomes, et ux
Address 129 Ridgeway Dr., Bridgeport, WV 26330
Coal Owner Same as mineral owner
Address _____
Coal Operator _____
Address _____

Company Appalachian Energy, Inc. d/b/a LDR
Address 733 Washington Road, Pgh, PA 15228
Farm C. E. Tomes #1 Acres 101.8
Location (waters) Brushy Fork
Well No. A-E-36 Elevation 1211
District Simpson County Harrison
Quadrangle Brownnton

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 9-5-78.

INSPECTOR Paul Garrett
TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, WV
PHONE 622-3871

[Signature]
Deputy Director - Oil & Gas Division

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 25, 1978 by Charles E. Tomes, et ux made to Doran & Associates, Inc. and recorded on the 6th day of April 19 78, in Harrison County, Book 1064 Page 1026

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 this day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,
(Sign Name) Ronald R. Laughlin
Well Operator
733 Washington Road
Street
Pittsburgh
City or Town
Pennsylvania 15228
State

*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.

BLANKET BOND

HAR-1237 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-033

Signed by _____

