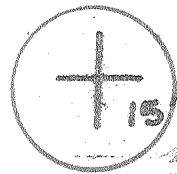
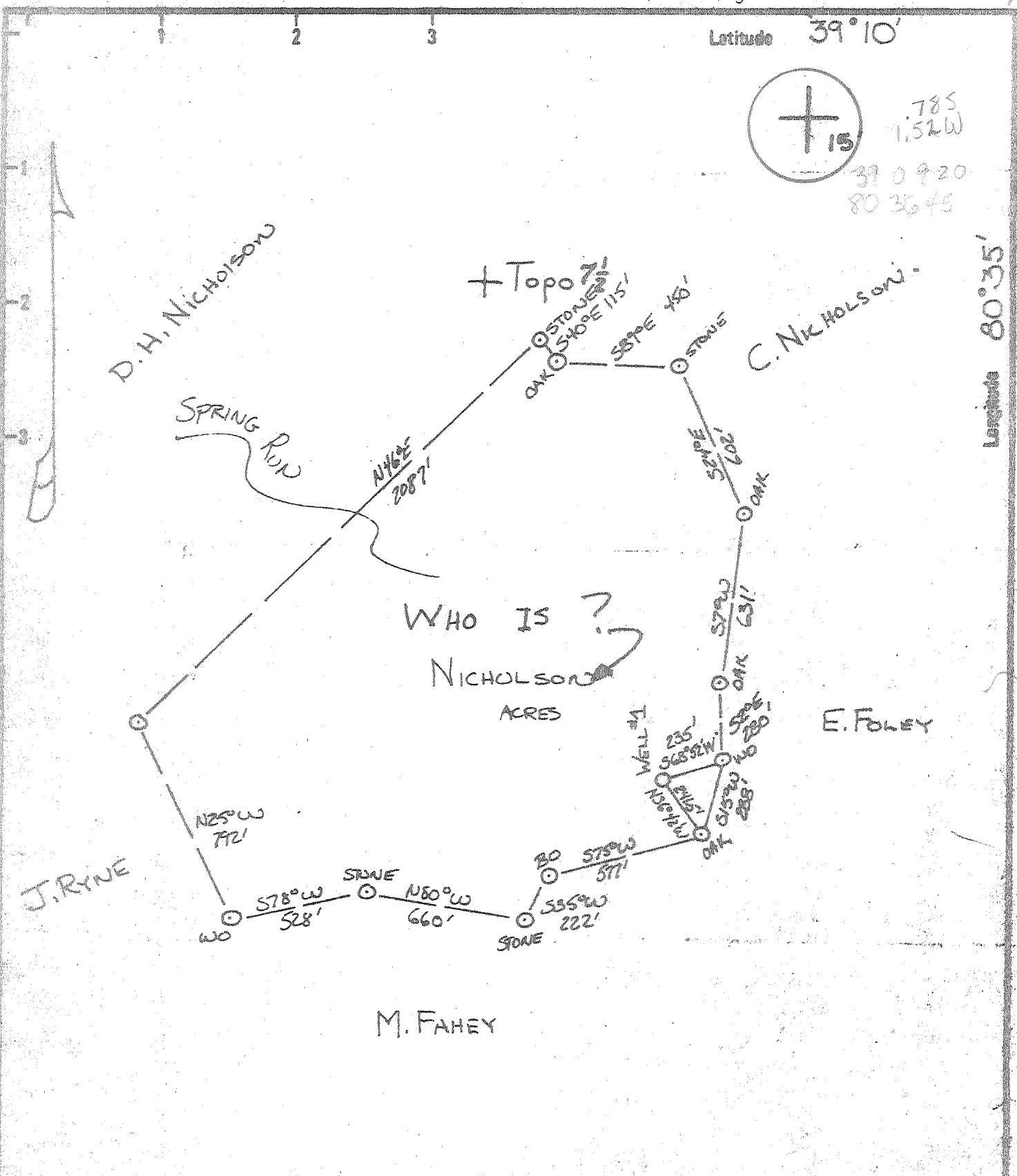


Latitude 39° 10'



785
1.52W
39 0 420
80 36 45

Longitude 80° 35'



New Location Drill Deeper Abandonment

Minimum Error of Closure 1 IN 200

Source of Elevation OF ROADS - 1/3 MILE NW (1269)

"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 8 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." Walter P. Lepout

Company APPALACHIAN ENERGY INC

Address 728 WASHINGTON ROAD PGM, PA

Farm D. NICHOLSON & SWISHER

Tract _____ Acres 78AC Lease No. _____

Well (Farm) No. #1 Serial No. AE 94

Elevation (Spirit Level) 1410

Quadrangle BIG ISAAC 1/2, VADIS 15'

County DODDRIDGE District NEW MILTON

Engineer WALTER P. LEPOUT

Engineer's Registration No. #7410

File No. _____ Drawing No. 3-15-79

Date 3-15-79 Scale 1"=500'

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

WELL LOCATION MAP
FILE NO. 47-017-2449

+ 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.

AUG 1 1979

3-3 3-3 MURPHY CR. 150



DEC 26 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 2

Quadrangle Big Isaac
Permit No. 47-017-2449

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

Company Appalachian Energy, Inc. d/b/a LDR
Address 728 Washington Road, Pgh, PA 15228
Farm Forest J. Swisher Acres 78
Location (waters) Spring Run
Well No. 1 A-E-94 Elev. 1410
District New Milton County Doddridge
The surface of tract is owned in fee by Lonnie J & Janice L. Bennett
Address Lost Creek, WV 26385
Mineral rights are owned by Same as above
Address _____
Drilling Commenced 7/19/79
Drilling Completed 7/28/79
Initial open flow 25 M cu. ft. _____ bbls.
Final production 380 M cu. ft. per day _____ bbls.
Well open 72 hrs. before test 1480 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			
8 5/8	1441	1441	320 Sks.
7			
5 1/2			
4 1/2	5821	5821	420 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Date:	Interval Perforated:	From	To	Amt. Fluid	Amt. Sand
		5531	5560	525 BBLs	50,000#
		5221	5364	525 BBLs	50,000#
		4715	4214	534 BBLs	40,000#

Stimulation Record:

Coal was encountered at 240' Feet _____ Inches
Fresh water 1730' Feet _____ Salt Water _____ Feet
Producing Sand Balltown, Benson, Alox Depth 4220, 5229, 5560

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	5		
Red Rock			5	15		
Sand & Shale			15	39		
Sandy Shale			39	165		
Sand			165	240		
Coal			240	243		
Sand			243	260		
White Sand			260	311		
Sand & Shale			311	560		
White Sand			560	590		
Sand & Shale			590	655		
Red Rock			655	690		
Sand & Shale			690	750		
Sand, Shale & Red Rock			750	1230		
Shale			1230	1277		
Sand			1277	1308		
Sand & Shale			1308	1463		
Sand			1463	1495		
Shale			1495	1720		
Sand			1720	1780		
Sand & Shale			1780	1845		
Red Rock & Shale			1845	2285		
Sand & Shale			2285	2339		
Sand			2339	2496		

(over)

* Indicates Electric Log tops in the remarks section.

5702
5250
452 EXPL FT. 1980 API

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil Gas or Water	Remarks
Sand & Shale			2496	2945	Gas @ 2557'	
Sandy Shale			2845	2900		
Sand			2900	2963		
Sand & Shale			2963	3775	Gas @ 3058'	
					3341', 3520'	
Sand			3775	3945	Gas @ 3837'	
Sand & Shale			3945	4215	Gas @ 4057'	
Sand			4215	4340		
Sand & Shale			4340	4390	Gas @ 4366'	
Sand & Shale			4390	4461		
Shale			4461	4523		
Sand & Shale			4523	4835	Gas @ 4644'	
Shale			4835	5230	Gas @ 4923'	
Little Brown Sand			5230	5250		
Sand & Shale			5250	5514	Gas @ 5265', 5483'	
Shale			5514	5744		
Drillers T.D.				5744		
Speechley			3650	3679		
Balltown			4220	4246		
Bradford			4722	4745		
Benson			5218	5230		
Alexander			5546	5573		
Loggers T.D.				5702		

Date Dec 11 1943

APPROVED Wm. H. Laughlin Owner

By [Signature]
(Title)

G-1
Rev. - 71
500



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 10 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 2, 1979

Surface Owner Lonnie J. & Janice L. Bennett, et ux Company Appalachian Energy, Inc. D/B/A LDR
 Address Lost Creek, WV 26385 Address 728 Washington Road, Pgh., PA 15228
 Mineral Owner Same as above Farm Forest J. Swisher Acres 78
 Location (waters) Spring Run
 Coal Owner Eastern Associated Coal Corp. Well No. 1 Elevation 1410
 Address Koppers Building, Pgh., PA 15219 District New Milton County Doddridge
~~XXXXXXXXXX~~ Attention: Mike Eddy Quadrangle Big Isaac 7 1/2
~~XXXXXX~~

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 3-11-80.

Robert S. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, WV 26301
PHONE (304) 622-3871

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 July 19, 19 76 by Forest G. Swisher made to Clarence W. Mutschelknaus and recorded on the 13th day of June 19 77, in Doddridge County, Book 102 Page 465
 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) Donald R. Laughlin
Well Operator
728 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

47-017-2449 PERMIT NUMBER

