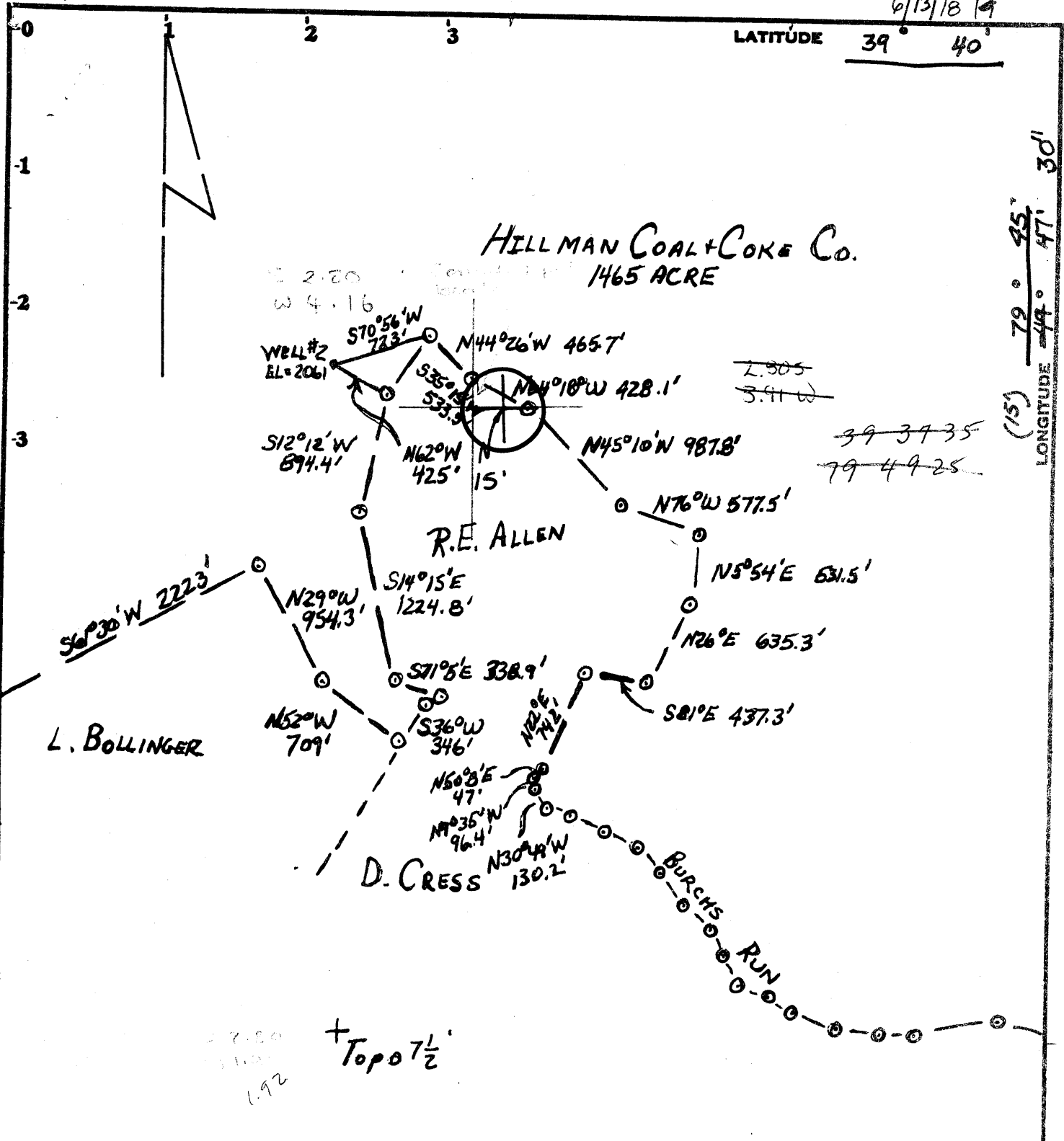


6/13/78 PR



LATITUDE 39 40

LONGITUDE 79 45
49 47
30

Minimum Error of Closure 1 IN 200
Source of Elevation BM 1/3 MI SOUTHEAST
REED (HC) 2216

- Fracture.....
- New Location.....
- Drill Deeper.....
- 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Walter P. Leput
Squares: N S E W

Company Appalachian Energy, Inc., LDR
Address PITTSBURGH, PA.
Farm Boy Scouts of American HILLMAN COAL & COKE COMPANY
Tract _____ Acres 1465 Lease No. 1-A
Well (Farm) No. 2 Serial No. A-E-8
Elevation (Spirit Level) 2061 EC
Quadrangle LAKE LYNN 7 1/2, MORGANTOWN 15'
County MONONGALIA District UNION
Engineer WALTER P. LEPUT
Engineer's Registration No. 7410
File No. _____ Drawing No. 19783
Date 12-20-77 Scale 1"=1000'

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

WELL LOCATION MAP

FILE NO. MON-365 565

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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

8200' S. of a Deep Well 5-4-5 South Burns Chapel (313)



RECEIVED

FEB - 4 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD *64*

Quadrangle Lake Lynn
Permit No. 47-061-0565

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

Company Appalachian Energy, Inc. d/b/a LDR
Address 728 Washington Rd., Pgh., PA 15228
Farm Hillman Coal Co. #2 Acres 1,465
Location (waters) Cheat River
Well No. A-E-8 Elev. 2061
District Union County Monongalia
The surface of tract is owned in fee by Boy Scouts of America
Address Grant Bldg. Pgh., PA 15219
Mineral rights are owned by Hillman Coal & Coke Company Address Grant Bldg., Pgh., PA 15219
Drilling Commenced 9-22-78
Drilling Completed 10-10-78
Initial open flow --- m cu. ft. --- bbls.
Final production 48 m cu. ft. per day --- bbls.
Well open 72 hrs. before test 360 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 20-16 13 3/4	27'	27'	
9 5/8	1280'	1280'	500
8 5/8			
7			
5 1/2			
4 1/2	2977'	2977'	406
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

STIMULATION RECORD:

DATE:	INTERVAL PERFORATED:	FROM	TO	AMT. FLUID	AMT. SAND
3-20-79	<i>Ballt.</i>	2720	- 2729	453 bbls.	38,000 #
"	<i>Sp</i>	2594	- 2600	471 bbls.	39,000 #
"	<i>Bay</i>	1910	- 1919	485 bbls.	40,000 #

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand 1st Balltown, Speechley, Bayard Depth 2722, 2510, 1900

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	10		
Shale			10	95		
Sandy Shale			95	215		
Sand			215	241		
Shale			241	370		
Shaley Sand			370	430		
Sand			430	445		
Sandy Shale			445	506		
Sand			506	566		
Sandy Shale			566	574		
Sand			574	582		
Sandy Shale			582	625		
Sand			625	656		
Sandy Shale			656	900		
Sand			900	922		
Sand - Shale			922	992		
Shale			992	1172		
Sand			1172	1177		
Sandy Shale			1177	1338		
Shale			1338	1350		
Sand			1350	1400		
Sandy Shale			1400	1576		
Sand			1576	1618		

(over)

* Indicates Electric Log tool in the corresponding column

FEB 28 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shaley Sand			1618	1665		
Sand			1665	1680		
Shale			1680	1700		
Sand			1700	1744		
Shale			1744	1763		
Sand			1763	1805		
Shale			1805	1815		
Sand			1815	1834		
Shale			1834	1905		
Sand			1905	1930		
Shale			1930	2005		
Sand			2005	2040		
Shale			2040	2135		
Shaley Sand			2135	2194		
Shale			2194	2220		
Sandy Shale			2220	2510		
Sand			2510	2532		
Sandy Shale			2532	2591		
Sand			2591	2610		
Shale			2610	2720		
Sand			2720	2734		
Shale			2734	2838		
Shaley Sand			2838	4570		
Shale			4570	7620		
Limestone			7620	7750		
Shale			7750	7964		
Limestone			7964	8022		
Chert			8022	8279		
Sand			8279	8292		
Sandstone			8292	8420		
Limestone			8420	8522		
Driller's T. D.			-	8522		
Fifth Sand			1783	1806		
Bayard			1900	1920		
Warren			2298	2312		
Speechley			2510	2530		
1st Balltown			2722	2734		
2nd Balltown			2766	2778		
Onondaga			7964	8022		
Chert			8022	8279		
Oriskany			8279	8292		
Helderberg			8420	8522		
Logger's T. D.				8522		

Date Feb. 1 1980

APPROVED Donald R. Laughlin Owner
Donald R. Laughlin
President

By _____

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 8-28-78.



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

RECEIVED

JUN 12 1978

OIL & GAS DIVISION
DEPT. OF MINES

Robert R. Todd
Deputy Director - Oil & Gas Division

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 15, 1978

Surface Owner Boy Scouts of America

Address given below

Mineral Owner Hillman Coal & Coke Company

Address Grant Bldg., Pittsburgh, PA 15219

Coal Owner Hillman Coal & Coke Company

Address Grant Bldg., Pittsburgh, PA 15219

Coal Operator _____

Address _____

Company Appalachian Energy, Inc. ~~0757a~~ LDR

Address 728 Washington Road, Pittsburgh, PA 15228

Farm Hillman Coal & Coke Co #2 Acres 1,465

Location (waters) Cheat River

Well No. 2-A-E-8 Elevation 2061

District Union County Monongalia

Quadrangle Lake Lynn 7 1/2

Allegheny Trails Council
Boy Scouts of America
Flag Plaza
Pittsburgh, PA 15219

INSPECTOR

TO BE NOTIFIED Mr. Wm. Blosser

ADDRESS Colfax, W. Va.

PHONE Fairmont 363-9105

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 September 6 1977 by Hillman Coal & Coke Company made to Doran & Associates, Inc. and recorded on the 4th day of October 1977 in Monongalia County, Book 797 Page 265

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:

Very truly yours,

(Sign Name) Donald P. Laughlin
Well Operator

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address
of
all Operator

728 Washington Road
Street
Pittsburgh, PA 15228
City or Town

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

MON-565

PERMIT NUMBER

47-061

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

PROPOSED WORK ORDER TO X DRILL DEEPEN FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known)

RESPONSIBLE AGENT:

NAME Union Drilling Company
ADDRESS P. O. Box 347, Buckhannon, WV 26201
TELEPHONE (304) 472-6666

NAME Al Sorcan
ADDRESS Rt. 4 - Box 444, Buckhannon, WV 26201
TELEPHONE (304) 472-0007

ESTIMATED DEPTH OF COMPLETED WELL: 8200

ROTARY X CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: Oriskany

TYPE OF WELL: OIL GAS X 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 13 3/8"	30	30	10 sks.
9 - 5/8	1200	1200	300 sks.
8 - 5/8			
7			
5 1/2			
4 1/2	8200	8200	300 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET - SALT WATER FEET

APPROXIMATE COAL DEPTHS FEET - FEET

IS COAL BEING MINED IN THE AREA? 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