



Minimum Error of Closure 1 in 200

Source of Elevation BLACKSHERE WELLS & CO. 70, Rev.
Elev. 1589.08

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: *Curtis A. Lucas*

Map No. N 49 Squares: N 2 S E 5 W

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, W. Va. 26101
Farm BLACKSHERE WELLS & CO.
Tract 3800 Acres Lease No. 10037-50
Well Farm No. 71 Serial No. _____
Elevation (Spirit Level) 1500.12
Quadrangle Centerpoint 15' NE Folsom
County Wetzel District Grant
Surveyor CURTIS A. LUCAS
Surveyor's Registration No. 275
File No. 81 Drawing No. _____
Date June 21, 1976 Scale 1" = 800'

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

WELL LOCATION MAP
FILE NO. WET-606

+ 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.

47-103

2745 Big Injun C-6 SMITHFIELD

100 JUL 6 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 16

RECEIVED

JUN - 6 1977

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Centerpoint

Permit No. Wet-606

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

Company <u>Pennzoil Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, W. Va. 26101</u>				
Farm <u>Blackshere Wells & Co. Acres 3800</u>	Size			
Location (waters) <u>So. Fk. of Fishing Crk.</u>	<u>20-16</u>			
Well No. <u>71</u> Elev. <u>1500.12'</u>	Cond.			
District <u>Grant</u> County <u>Wetzel</u>	<u>13-10"</u>			
The surface of tract is owned in fee by _____	<u>9 5/8</u>			
<u>Coastal Lumber Company, Pioneer Division</u>	<u>8 5/8</u>	<u>1994</u>	<u>1994</u>	<u>130 sks.</u>
Address <u>P. O. Box 8, Daley, W. Va. 26259</u>	<u>7</u>			
Mineral rights are owned by <u>Carl E. Beaty, Jr., Agt</u>	<u>5.1/2</u>			
Address <u>110 Water St., Mannington, W. Va.</u>	<u>4 1/2</u>	<u>2728</u>	<u>2728</u>	<u>50 sks.</u>
Drilling Commenced <u>July 13, 1976</u>	<u>3</u>			
Drilling Completed <u>Sept. 1, 1976</u>	<u>2</u>			
Initial open flow <u>20,000</u> cu. ft. <u>18</u> bbls.	Liners Used			
Final production <u>20,000</u> cu. ft. per day <u>14</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details: Fractured: 9-10-76 w/ 745 BW, 30,000# sd., 500 gal. acid 15% HCL
Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Pocono Big Injun Depth 7682

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	38		
Shale			38	66		
Sand & Silt			66	338		
Sand			338	395		
Shale & Silt			395	690		
Sand & Silt			690	780		
Silt			780	814		
Sand			814	866		
Shale			866	938		
Sand			938	964		
Shale			964	1012		
Sand			1012	1150		
Sand & Silt			1150	1190		
Sand			1190	1240		
Shale			1240	1266		
Pittsburgh			1266	1273		
Shale & Silt			1273	1314		
Sand & Silt			1314	1730		
Sand			1730	1770		
Big Dunkard			1770	1800		
Shale			1800	1812		
Sand			1812	1826		
Shale & Silt			1826	1882		
Sand & Silt			1882	1940		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet/0	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Silt			1940	2008		
Sand & Silt			2008	2070		
1st Salt Sand			2070	2104		
Shale			2104	2161		
2nd Salt Sand			2161	2230		
Shale			2230	2282		
3rd Salt Sand			2282	2328		
Silt			2328	2454		
Little Lime			2454	2470		2480
Pencil Cave			2470	2480		
Big Lime			2480	2564		
Loyalhanna Big Injun			2564	2622		
<u>Pocono Big Injun</u>			2622	2692		
Pocono Shale			2692	2730		
Total Depth				2730		
Plug Back Depth				2702		

Date JUNE 2 19 77

APPROVED PENNZOIL COMPANY Owner

By Curtis A. Lucas
(Title) ENG. DEPT.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 22 1976

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 June 21, 1976

Surface Owner Coastal Lumber Company
Pioneer Division
Address P. O. Box 8, Daley, W. Va. 26259
Mineral Owner Carl E. Beaty, Jr., Agent
Address 110 Water Street
Coal Owner Mannington, W. Va. 26582
Address _____
Coal Operator Mountaineer Coal Company
Address P. O. Box 1632,
Mannington, W. Va. 26554

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, W. Va. 26101
Farm Blackshere Wells and Co. Acres 3800
Location (waters) South Fork of Fishing Creek
Well No. 71 Elevation 1500.12'
District Grant County Wetzel
Quadrangle Centerpoint

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 10-23-76.

Robert L. [Signature]
Deputy Director - Oil & Gas Division
GENTLEMEN:

INSPECTOR TO BE NOTIFIED Donald Conner
PH: 428-8172 ADDRESS Mineral Wells, W. Va.

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 February 20, 1892 by John Blackshere, et al made to South Penn Oil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 35 Page 547

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Address
of
Well Operator

Very truly yours, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas
P. O. Box 1588 Civil Eng. Dept.
Street
Parkersburg,
City or Town
West Virginia 26101
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

Wet-606 PERMIT NUMBER
47-103

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 _____ NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, W. Va. 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 2745 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL X 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			
8 - 5/8	1300	1300	cement to surface
7			
5 1/2			
4 1/2	2745	2745	50 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 1260
 IS COAL BEING MINED IN THE AREA? None 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

"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."
 Signed by: [Signature] _____ Official Title