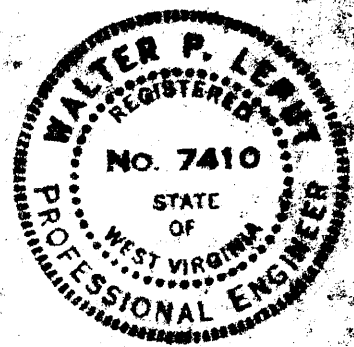
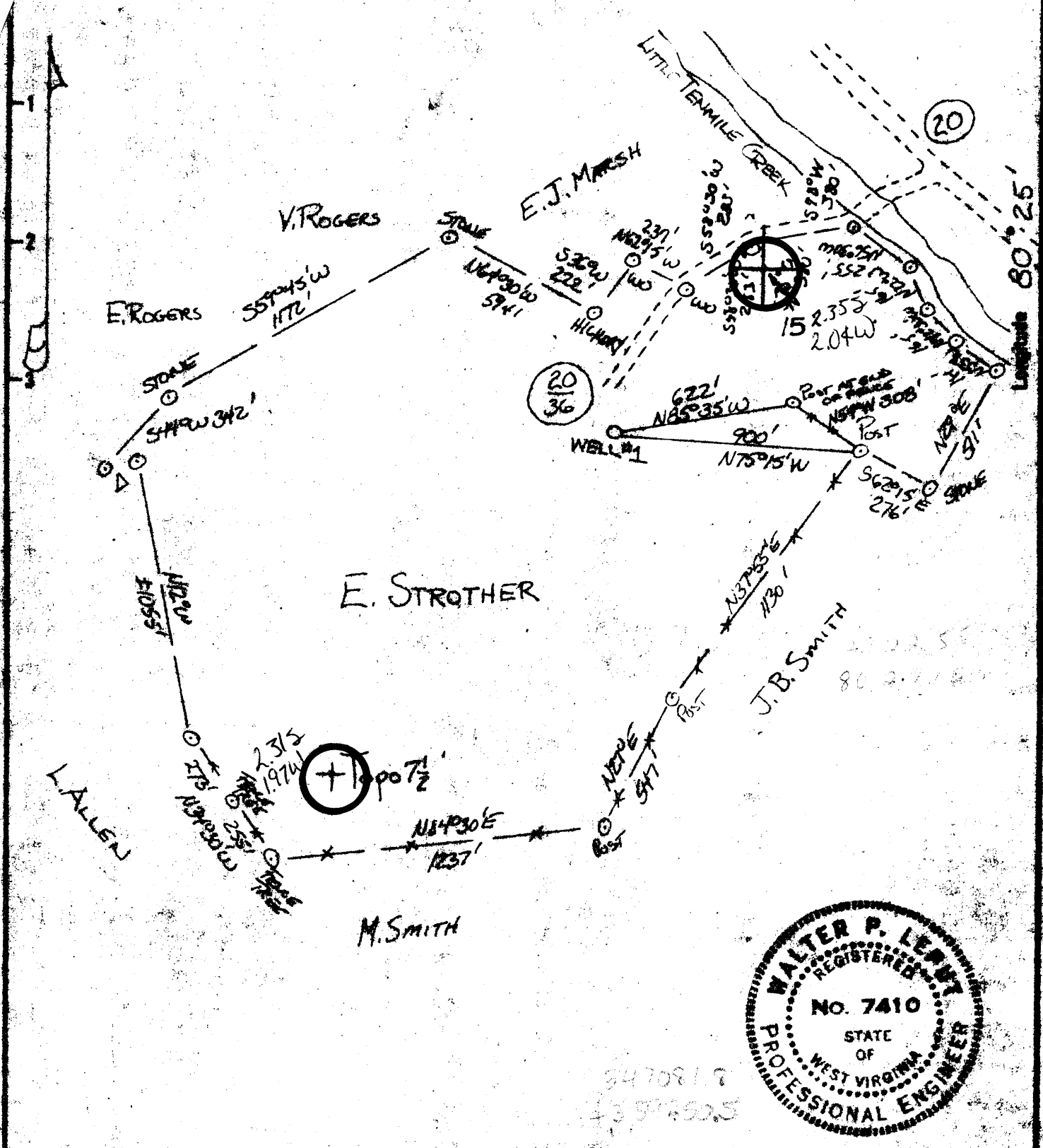


Latitude 39° 25'

Longitude 80° 25'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation Q. OF ROADS ± 1/2 MILE NORTHWEST (993)
 "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."

Company DORAN & ASSOCIATES INC
 Address PITTSBURGH, PA
 Farm E. STROTHER EST.
 Tract Acres 109.3 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1121
 Quadrangle WALLACE 7/2 CLARKSBURG 15
 County HARRISON District SARDIS WC
 Engineer Walter P. Leput
 Engineer's Registration No. WVA 7410
 File No. _____ Drawing No. 5-10-99B
 Date 5-10-1979 Scale 1"=500'

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

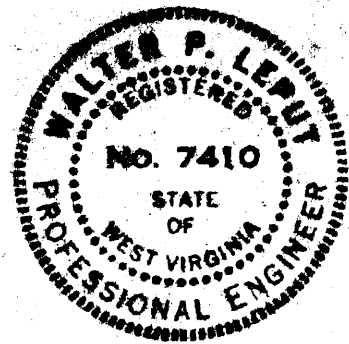
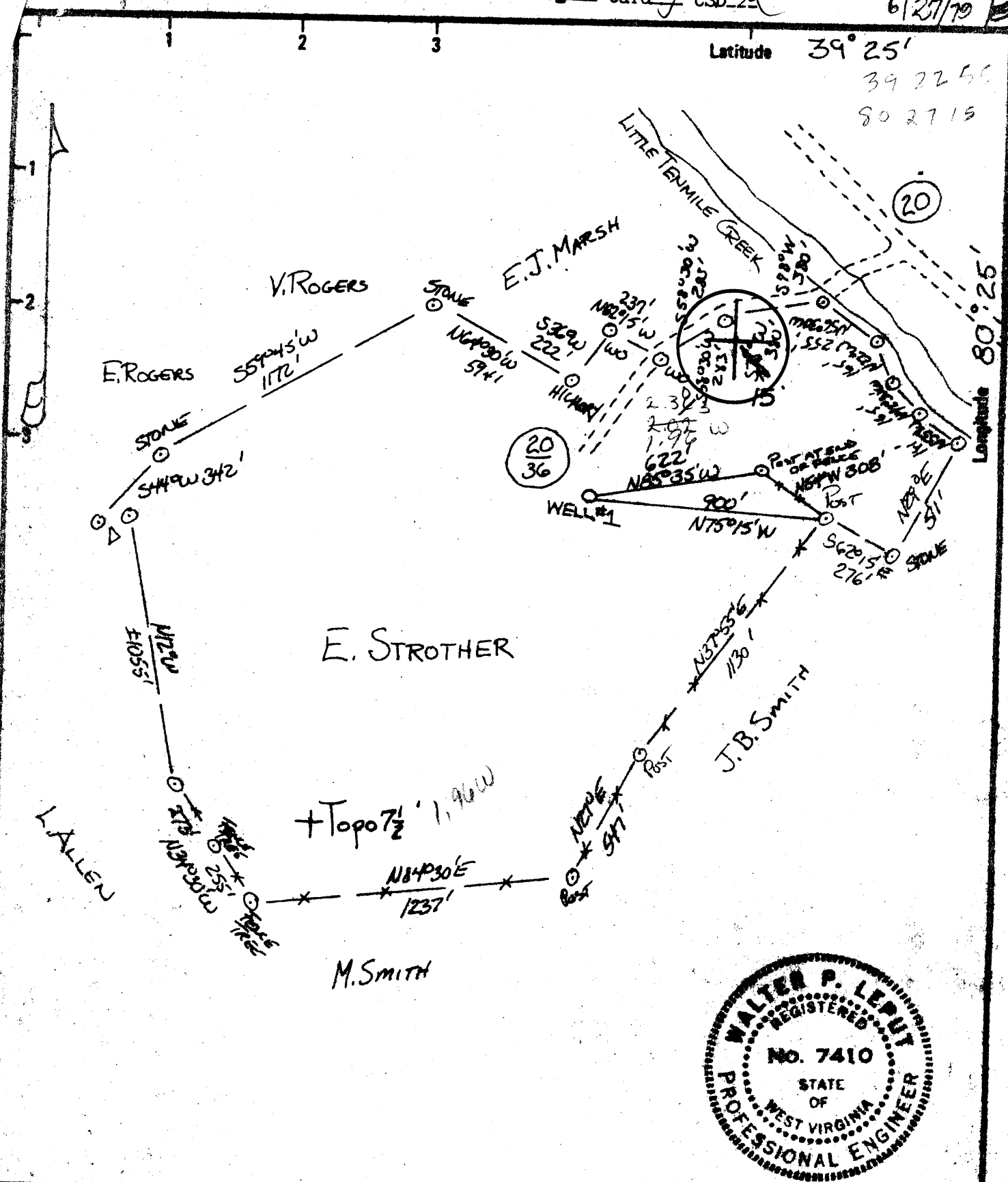
WELL LOCATION MAP
 FILE NO. 47-033-2350
 FORMERLY 033-2152

+ 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.

6-6 BROWN-LUMBER PORT 104 JUN 17 1980 104

6/27/79

Latitude $39^{\circ} 25'$
 $39 22 56$
 $80 27 15$



New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>1 IN 200</u> Source of Elevation <u>2 OF ROADS ± 1/2 MILE NORTHWEST (993)</u> "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."
---	---

Company	<u>DORAN + ASSOCIATES INC</u>
Address	<u>PITTSBURGH, PA.</u>
Farm	<u>E. STROTHER EST.</u>
Tract	Acres <u>109.3</u> Lease No. _____
Well (Farm) No.	<u>1</u> Serial No. _____
Elevation (Spirit Level)	<u>1121</u>
Quadrangle	<u>WALLACE T2, CLARKSBURG 15</u>
County	<u>HARRISON</u> District <u>SARDIS</u>
Engineer	<u>Walter P. Lepuy</u>
Engineer's Registration No.	<u>WVA# 7410</u>
File No.	Drawing No. <u>5-10-79B</u>
Date	<u>5-10-1979</u> Scale <u>1"=500'</u>

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

WELL LOCATION MAP
 FILE NO. 47-033-2152
 now: 033-2350

+ 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

D-66 BROWN-LUNN REAR...



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

updated:

Quadrangle Wallace 7 1/2

Permit No. 47-033-2350

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

Company Doran & Associates, Inc.
Address 728 Washington Road, Pgh., PA 15228
Farm E. Strother/Harbert Acres 109.3
Location (waters) Little Ten Mile Creek
Well No. #1 K-L-269 Elev. 1121
District Sardis County Harrison
The surface of tract is owned in fee by Bertha Strother, Marie S. & Lola T. Harbert
Address Rte. 1, Lumberport, WV 26386
Mineral rights are owned by same as above
Address _____
Drilling Commenced 5-14-80
Drilling Completed 5-21-80
Initial open flow _____ cu. ft. _____ bbls.
Final production 1000 M cu. ft. per day _____ bbls.
Well open 4 hrs. before test 400 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. xxx 11 3/4	35'	35'	
9 5/8			
8 5/8	1337'	1337'	255 sks.
7			
5 1/2			
4 1/2	5094'	5094'	390 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Stimulation Record:

Perforated:	From	To	Amt Fluid	Sand
10-28-81	4948	4962	428 bbls	40,000#
	3821	3845	490 bbls	40,000#

Coal was encountered at 200' Feet _____ Inches
Fresh water @70' Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon Stray, Benson, Balltown Depth 2492', 4948', 3820

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	20		
Sand			20	25		
Sand & Shale			25	50		
Sand			50	110		F.W. @ 70'
Sand & Shale			110	200		
Coal			200	206		
Sand & Shale			206	515		
Sand			515	600		
Sand & Shale			600	760		
Shale			760	777		
Sand			777	839		
Sandy Shale - Red Rock			839	1870		
Big Lime			1870	1955		
Big Injun			1955	2020		
Sand & Shale			2020	2680	Gas @ 2587'	
4th Sand			2680	2895	Gas @ 2895'	
Sand & Shale			2895	3320		
Shale			3320	3410	Gas @ 3336'	
Sand			3410	3493		
Sandy Shale			3493	3600	Gas @ 3524'	
Speechley			3600	3650		
Sandy Shale			3650	3700		
Balltown			3700	3730		
Sandy Shale			3730	4115	Gas @ 3836'	

RECEIVED

FEB 16 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

(over)

MAR 01 1982

* Indicates Electric Log logs in the remarks section

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			4115	4955	Gas @ 4177', 4614', 4895'	
Benson			4955	4985		
Sandy Shale			4985	5116	Gas @ 5116'	
Driller's T. D.				5116		
Gordon Stray			2492	2554		
Speechley			3470	3524		
Balltown			3820	3868		
Benson			4948	4966		
Logger's				5112		

Date February 8 19 82

APPROVED: Donald R. Laughlin Owner

By Donald R. Laughlin, Vice President-
(Title) Operations



RECEIVED

JUL 14 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 12

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

Quadrangle Wallace 7 1/2
Permit No. 47-033-2350

Company Doran & Associates, Inc.
Address 728 Washington Road, Pgh., PA 15228
Farm E. Strother/Harbert Acres 109.3
Location (waters) Little Ten Mile Creek
Well No. #1 K-L-269 Elev. 1121
District Sardis County Harrison
The surface of tract is owned in fee by Bertha Strother, Marie S. & Lola T. Harbert
Address Rte. 1, Lumberport, WV 26386
Mineral rights are owned by same as above
Address _____
Drilling Commenced 5-14-80
Drilling Completed 5-21-80
Initial open flow 500 M cu. ft. --- bbls.
Final production --- cu. ft. per day --- bbls.
Well open --- hrs. before test 600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 12-10 11 3/4	35'	35'	
9 5/8			
8 5/8	1337'	1337'	255 sks.
7			
5 1/2			
4 1/2	5094'	5094'	390 sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Speechley, Balltown and Benson to be fractured at a later date

Coal was encountered at 200' Feet _____ Inches
Fresh water @70' Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon Stray Depth 2492'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	20		
Sand			20	25		
Sand & Shale			25	50		
Sand			50	110		
Sand & Shale			110	200		F.W. @ 70'
Coal			200	206		
Sand & Shale			206	515		
Sand			515	600		
Sand & Shale			600	760		
Shale			760	777		
Sand			777	839		
Sandy Shale - Red Rock			839	1870		
Big Lime			1870	1955		
Big Injun			1955	2020		
Sand & Shale			2020	2680		Gas @ 2587'
4th Sand			2680	2895		Gas @ 2895'
Sand & Shale			2895	3320		
Shale			3320	3410		Gas @ 3336'
Sand			3410	3493		
Sandy Shale			3493	3600		Gas @ 3524'
Speechley			3600	3650		
Sandy Shale			3650	3700		
Balltown			3700	3730		
Sandy Shale			3730	4115		Gas @ 3836'

AUG 1 1980

Formation	Color	Hard or Soft	Top Feet <i>ft.</i>	Bottom Feet	Oil, Gas or Water	Remarks
Shale			4115	4955		
<u>Benson</u>			4955	4985		Gas @ 4177', 4614', 4895'
Sandy Shale			4985	5116		
Driller's T. D.				5116		Gas @ 5116'
Gordon Stray			2492	2554		
Speechley			3470	3524		
Balltown			3820	3868		
Benson			4948	4966		
Logger's				5112		

Date July 7 19 30

APPROVED

Donald R. English Owner

By Vice President Operations



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

May 22 1979

Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Bertha Strother

Surface Owner Marie S. & Lola T. Harbert

Address Rt. 1, Lumberport, WV 26386

Mineral Owner Same as above

Address

Coal Owner Willis G. Tetrick

Address Union National Center, Clarksburg, WV 26301

Coal Operator

Address

DATE May 22, 1979

Company Doran & Associates, Inc.

Address 728 Washington Rd., Pgh., PA 15228

Farm E. Strother Estate Acres 109.3

Location (waters) Little 10 Mile Creek

Well No. '1 Elevation 1121

District ' Sardis County Harrison

Quadrangle Wallace 7 1/2

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.

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, WV 26301

PHONE (304) 622-3871

Robert S. [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 16, 1979 by Bertha Strother, et al made to Doran & Associates, Inc. and recorded on the 23rd day of April 1979 in Harrison County, Book 1077 Page 915

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

728 Washington Road
Street

Pittsburgh
City or Town

Pennsylvania 15228
State

Very truly yours,

(Sign Name) *Donald R. Langhlin*
Well Operator

*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

47-033-2152

PERMIT NUMBER

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 S. W. Jack _____ NAME Alvin Sorcan _____
 ADDRESS Buckhannon, W. Va. 26201 _____ ADDRESS Rt. 4, Box 444, Buckhannon _____
 TELEPHONE (304) 472-9403 _____ TELEPHONE (304) 472-0007 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 5000 ' _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson _____
 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			
9 - 5/8 <u> 11 1/4 </u>	<u> 30' </u>		
8 - 5/8	<u> 1125' </u>	<u> 1125' </u>	<u> 250 sk. </u>
7	<u> 5000' </u>	<u> 5000' </u>	<u> 350 sk. </u>
5 1/2			
4 1/2			
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50' FEET _____ SALT WATER 700' FEET _____
 APPROXIMATE COAL DEPTHS 325' _____
 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

MAY - 9 1980

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

RF

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Bertha Strother

Surface Owner Marie S. & Lola T. Harbert

Address Rt. 1, Lumberport, WV 26386

Mineral Owner Same as above

Address

Coal Owner Willis G. Tetrick

Address Union National Center, Clarksburg, WV 26301

Coal Operator

Address THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if operations have not commenced by 1-9-81.

DATE April 22, 1980

Company Doran & Associates, Inc.

Address 728 Washington Rd., Pgh., PA 15228

Farm E. Strother Estate Acres 109.3

Location (waters) Little 10 Mile Creek

Well No. '1 K-L-269 Elevation 1121

District Sardis County Harrison

Quadrangle Wallace 7 1/2

INSPECTOR

TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, WV 26301

PHONE (304) 622-3871

Robert L. Bell
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 there to, (or as the case may be) under grant or lease dated March 16, 1979 by Bertha Strother, et al made to Doran & Associates, Inc. and recorded on the 23rd day of April 1979 in Harrison County, Book 1077 Page 915

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 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 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 GEOLOGICAL LOGS DIRECTLY TO:

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

Very truly yours,

(Sign Name) *Tomie R. Langley*
Well Operator

Address of 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

(Formerly: HAR-2152)
47-033-2350 PERMIT NUMBER

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 S. W. Jack NAME Alvin Soren
 ADDRESS Buckhannon, W. Va. 26201 ADDRESS Rt. 4, Box 444, Buckhannon, WV
 TELEPHONE (304) 472-9403 TELEPHONE (304) 472-0007
 ESTIMATED DEPTH OF COMPLETED WELL: 5000' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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			
9 - 5/8 11 1/2	30'		
8 - 5/8	1125'	1125'	250 sk.
7	5000'	5000'	350 sk.
5 1/2			
4 1/2			
3			
2			Perf. Top
			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50' FEET SALT WATER 700' FEET
 APPROXIMATE COAL DEPTHS 325'
 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:

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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