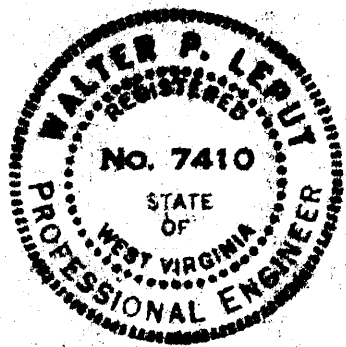
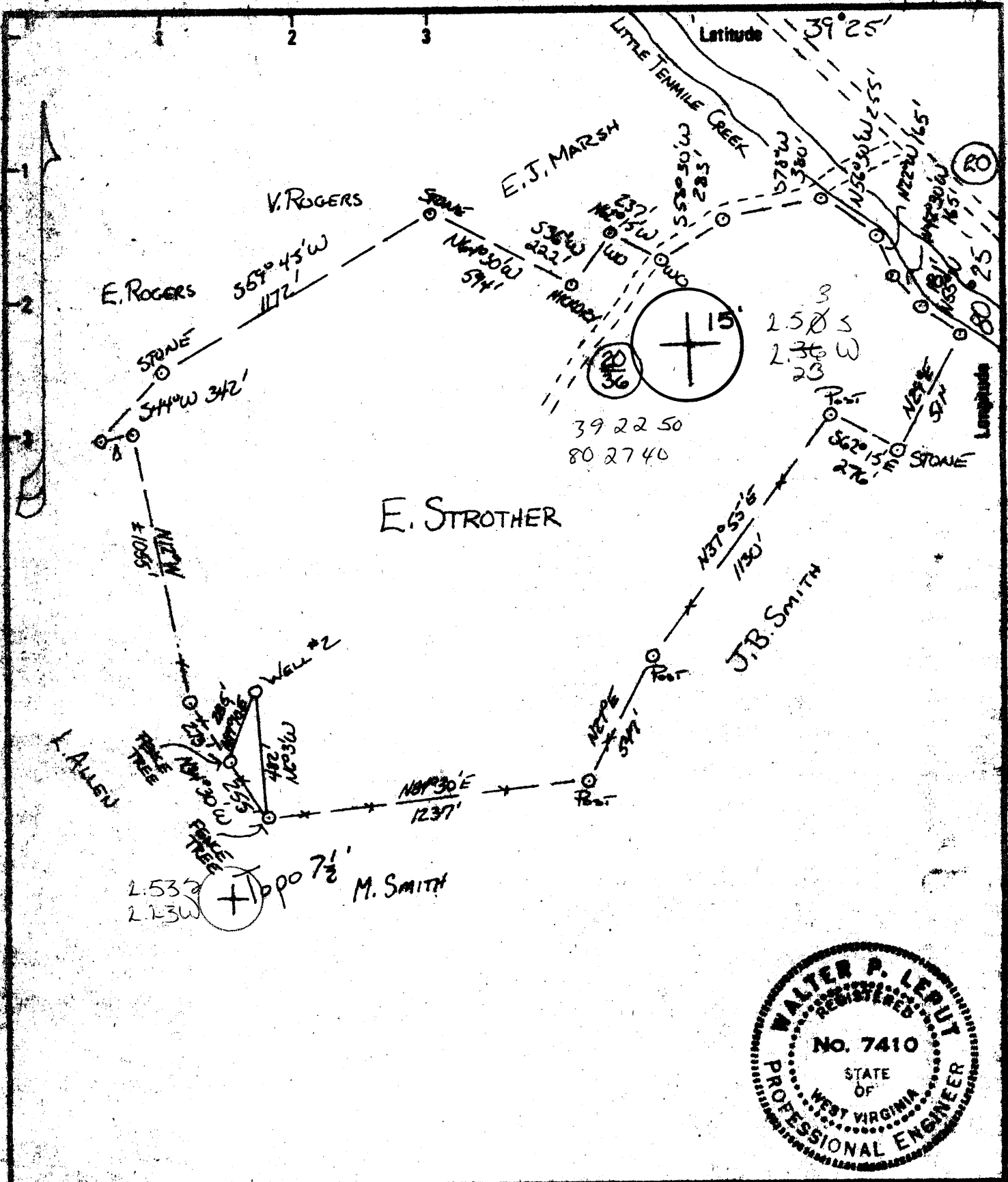


6/27/79



Minimum Error of Closure 1 IN 200
 Source of Elevation 2 DE ROADS 1/2 MILE NORTH (99.3)

New Location
 Ditch 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."

Company DORAN + ASSOCIATES, INC.
 Address PITTSBURGH, PA
 Farm E. STROTHER EST.
 Tract _____ Acres 109.3 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 1231
 Quadrange WALLACE T1/2, CLARKSBURG 15'
 County HARRISON District SARDIS
 Engineer Walter P. Lepuy
 Engineer's Registration No. WVA # 7410
 File No. _____ Drawing No. 5-10-79 A
 Date 5-10-1979 Scale 1"=500'

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

WELL LOCATION MAP
 FILE NO. 47-033-2151

+ Denotes location of well on United States Topographic Map, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

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

AUG 1 1979

6-6 BROWN-LUMBERPORT 104



JAN 28 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Wallace 7 1/2

(CORRECTED PERMIT NUMBER)

Permit No. ~~67-033-2152~~

033-2151

2151

Company Doran & Associates, Inc.
Address 728 Washington Rd., Pgh. PA 15228
Farm E. Strother Estate Acres 109.3
Location (waters) Little Tenmile Creek
Well No. 2 K-L-270 Elev. 1231
District Sardis County Harrison
The surface of tract is owned in fee by Bertha
Strother, Marie S. & Lola T. Harbert
Address Rt. 1, Lumberport, WV 26386
Mineral rights are owned by Same as above
Address _____
Drilling Commenced 10-19-79
Drilling Completed 10-26-79
Initial open flow 297 M cu. ft. _____ bbls.
Final production 675 M cu. ft. per day 3 bbls.
Well open 4 hrs. before test 1500 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	1292'	1292'	250 sks.
7			
5 1/2			
4 1/2	5989'	5989'	213 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Stimulation Record:

Date:	Interval Perforated:	From	To	Amt Fluid	Amt. Sand
11-14-79		4854	4870	532 bbls.	40,000 #
11-14-79		3396	3407	520 bbls	35,000 #
11-14-79		3708	3734	564 bbls.	26,000 #

3718 - 44 P. d. card

Coal was encountered at 78, 213, 455, 650 Feet _____ Inches
Fresh water 110' Feet _____ Salt Water _____ Feet _____
Producing Sand Benson, Speechley, Balltown Depth 4852, 3368, 3718

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	20		
Sand			20	78		
Coal			78	80		
Sandy Shale			80	95		
Sand			95	135		F.W. @ 110'
Sandy Shale & Red Rock			135	160		
Sand			160	180		
Sandy Shale			180	213		
Coal			213	215		
Sand			215	355		
Shale			355	430		
Sand			430	455		
Coal			455	459		
Sandy Shale			459	650		
Coal			650	654		
Sandy Shale & Red Rock			654	1025		
Sand			1025	1080		
Sandy Shale			1080	1160		
Sand			1160	1215		
Sandy Shale			1215	1365		
Sand			1365	1395		
Sandy Shale			1395	1575		
Sand			1575	1660		
Sandy Shale			1660	1730		

MAR 10 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Little Lime			1730	1745		
Shale			1745	1760		
Big Lime			1760	1840		
Sand			1840	1935		
Sandy Shale			1935	2070		
Sand			2070	2125		
Sandy Shale			2125	2570		
Sand			2570	2625		
Sandy Shale			2625	3525		
Sand			3525	3560		
Shale			3560	3600		
Sandy Shale			3600	3650		
Shale			3650	3717	Gas @ 3410'	
Sand			3717	3750		
Shale			3750	3880		
Shaley Sand			3880	3912		
Shale			3912	4048		
Shaley Sand			4048	4144		
Shale			4144	4176		
Sandy Shale			4176	4300		
Shale			4300	4694		
Sand			4694	4822		
Shale			4822	4852		
Sand <i>BENSON</i>			4852	4924	Gas @ 4866'	
Shaley Sand			4924	5010		
Driller's T.D.				5010		
Upper Speechley			3220	3250		
Speechley			3368	3420		
Balltown			3718	3750		
Benson			4852	4872		
Logger's T.D.				5017		

Date Jan. 23 19 80
APPROVED Donald B. Langhlin Owner
By Vice President - Operations



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

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) _____

Well No. 2 Elevation 1231

District Sardis County Harrison

Quadrangle Wallace 7½

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

[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.

Very truly yours,
(Sign Name) Donell R. Laughlin
Well Operator

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

*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.

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, W.
 TELEPHONE (304) 472-0403 TELEPHONE (304) 472-0007
 ESTIMATED DEPTH OF COMPLETED WELL: 5100' 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 11X	30'		
8 - 5/8	1225'	1225'	250 sk.
7	5100'	5100'	350 sk.
5 1/2			
4 1/2			
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET _____ SALT WATER 800' FEET _____
 APPROXIMATE COAL DEPTHS 425'
 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