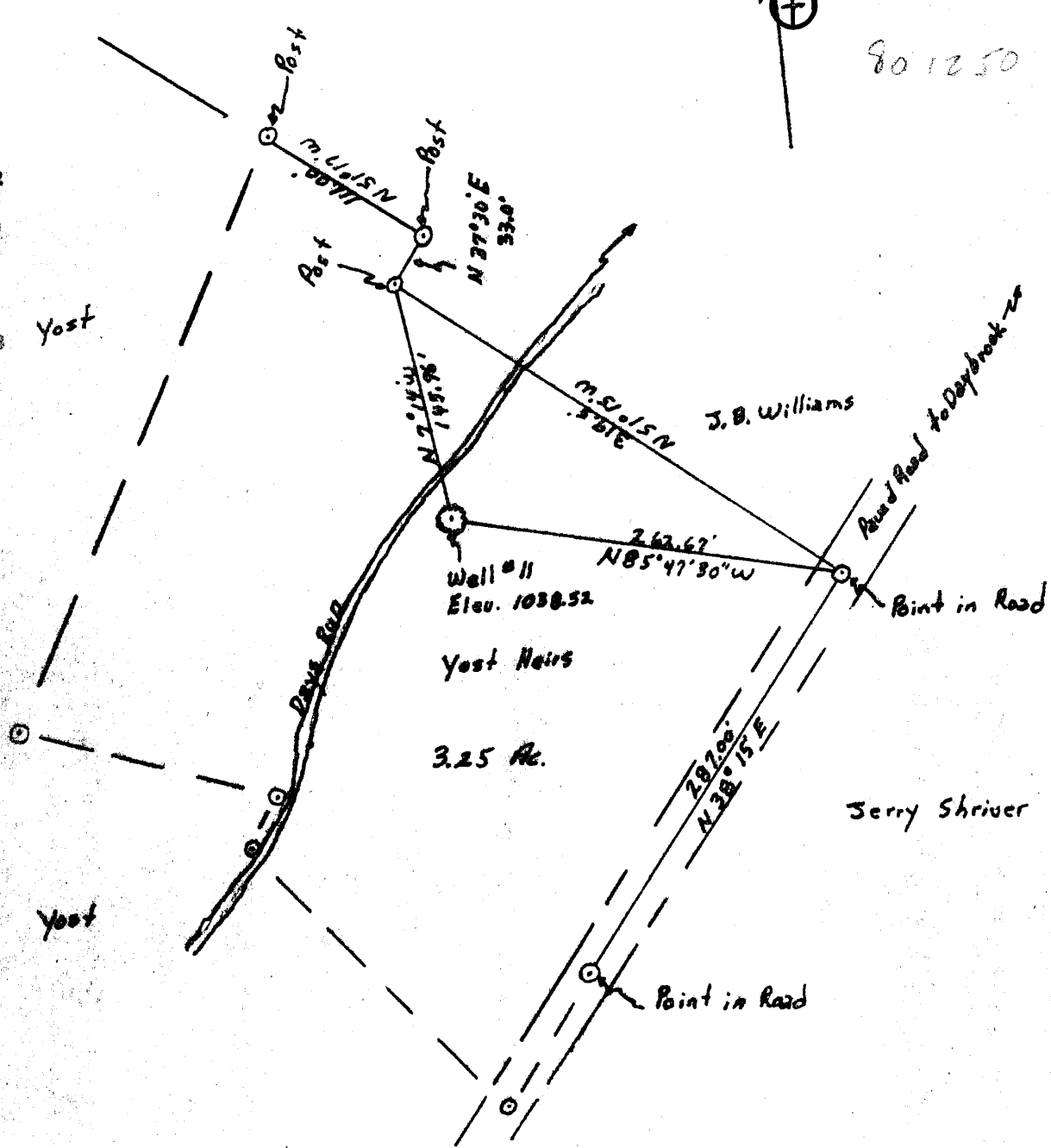


39 39 05
80 12 50



Minimum Error of Closure less than 1 in 2000

Source of Elevation From Yost Heirs Wall #1 about 200 yds up stream by the stream Elev 1054.30

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: William P. Foley
Squares: N S E W

Map No.

Company Yost & Yost Inc.
 Address Fairview Rt. #2 WV 26570
 Farm Yost Heirs
 Tract 100 Acres 3.25 Lease No. _____
 Well (Farm) No. Yost Heirs #11 Serial No. _____
 Elevation (Spirit Level) 1038.52
 Quadrangle Blacksville WC
 County Meigs District Clay
 Engineer William P. Foley
 Engineer's Registration No. 4449
 File No. _____ Drawing No. _____
 Date 4-8-78 Scale 1 in = 100 ft.

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

WELL LOCATION MAP

FILE NO. MON-373

+ 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. **47-061** APR 21 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD ¹⁰

Quadrangle Blacksville
Permit No. Mon-373 47-061

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

Company Yost & Yost, Inc.
Address Rt. 2, Fairview, WV 26570
Farm Larry Yost Acres 160
Location (waters) Day's Run
Well No. 11 Elev. 1038.52
District Clay County Mon.
The surface of tract is owned in fee by Larry Yost

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	694	694	to surface
7 6 5/8	2131	2131	80 sacks
5 1/2			
4 1/2			
3			
2			
Liners Used			

Address Rt. 2, Fairview, WV 26570
Mineral rights are owned by Heirs of Perry Yost Address Rt. 2, Fairview, WV
4-18 Drilling Commenced 4-18-78
5-15 Drilling Completed 5-25-78
Initial open flow 30,000 cu. ft. _____ bbls.
Final production 20,000 cu. ft. per day 3 bbls.
Well open 6 hrs. before test _____ RP.
Well treatment details:

Attach copy of cementing record.

Coal was encountered at 98-260-543-595- Feet 630-1026-1120 ~~xxxx~~ 1190-1439-1480
Fresh water 50 - 240 Feet _____ Salt Water 2090 Feet _____
Producing Sand Injun - Fifth Depth 2090 - 3100

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
			0	70		
Lime-Slate		Hard	70	98		
Coal		Soft	98	100		
Lime-Slate		Hard	100	133		
Slate-Lime		Hard	133	158		
Sand		Hard	158	195		
Shale-Lime		Soft	195	201		
Lime-Sand		Hard	201	222		
Sand-Shale		Hard	222	246		
Coal		Soft	260	265		
Shale-Sand		Soft	265	304		
Sand-Lime		Hard	304	333		
Lime-Shale		Hard	333	362		
Shale-Lime		Soft	362	391		
Redrock-Lime		Soft	391	420		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Lime-Sand		Hard	420	449		
Shale-Lime		Soft	449	479		
Lime-Shale		Hard	479	509		
Shale-Lime		Soft	509	538		
Coal	Sand	Soft	538	543		
Sand		Hard	543	568		
Coal	Black	Soft	595	598		
Slate-Shale		Hard	598	628		
Pittsburgh Coal		Soft	630	638		
Shale-Lime		Hard	638	659		
Lime-Sand		Hard	659	689		
Sand-Lime		Hard	689	719		
Redrock		Soft	725	740		
Lime		Hard	740	749		
Redrock-Sand						
Streaks of Lime		Soft	749	810		
Sand-Lime		Hard	810	840		
Shale		Soft	840	871		
Redrock-Shale		Soft	871	901		
Shale		Soft	901	931		
Shale-Lime		Soft	931	1021		
Coal		Soft	1026	1029		
Shale		Soft	1029	1120		
Coal		Soft	1120	1123		
Shale		Soft	1123	1171		
Coal		Soft	1190	1192		
Sand-Shale-Lime		Hard	1192	1200		
Shale-Lime		Soft	1200	1231		
Shale-Sand		Soft	1231	1261		
Shale		Soft	1261	1320		
Shale-Sand		Soft	1320	1411		
Coal		Soft	1439	1443		
Shale		Soft	1443	1473		
Coal		Soft	1480	1482		
Sand		Hard	1482	1502		
Shale-Sand		Soft	1502	1532		
Sand		Hard	1532	1680		
Shale		Soft	1680	1801		
Shale-Redrock		Soft	1801	1831		
Lime	blue	Hard	1831	1891		
Sand	gray	Hard	1891	1895		
Brown Sand		Hard	1895	1921		

Date September 6, 19 78

APPROVED Yost & Yost, Inc. Owner
 By [Signature] President

Formation	Color	Hard or Soft	Top Feet <small>10A</small>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand		Hard	1921	2164		
Sand-Shale		Hard	2164	2194		
Sand		Hard	2194	2263		
Sand-Shale		Hard	2263	2547		
Sand		Hard	2547	2635		
Redrock		Soft	2635	2642		
Sand		Hard	2642	2698		
Redrock		Soft	2698	2702		
Sand-Shale		Hard	2702	2705		
Redrock		Soft	2705	2720		
Sand		Hard	2720	2734		
Sand-Shale		Hard	2734	2765		
Sand		Hard	2765	2825		
Sand-Shale		Hard	2825	2856		
Sand		Hard	2856	2888		
Redrock		Soft	2888	2918		
Sand		Hard	2918	3015		
Sand-Shale		Hard	3015	3046		
Sand		Hard	3046	3078		
Lime		Hard	3078	3110		
Lime-Shale		Hard	3110	3141		
Shale-Sand		Soft	3141	3173		
Shale-Lime		Soft	3173	3204		
<u>Sand (Broken)</u> BAYARD		Hard	3204	3285		Total Depth

Date September 6, 1978

APPROVED Yost & Yost, Inc Owner
 By Joe Yost President
 (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 11, 1978
Company Yost & Yost, Inc.
Address Rt. 2, Fairview, WV 26570
Farm Yost Heirs Acres 160
Location (waters) Day's Run
Well No. 11 Elevation 1038.52
District Clay County Mon.
Quadrangle Blacksville

Surface Owner Larry Yost
Address Rt. 2, Fairview, WV 26570
Mineral Owner Heirs of Perry Yost
Address Rt. 2, Fairview, WV 26570
Coal Owner Eastern Assoc. Coal Corp
Address Pittsburgh, PA 15219
Coal Operator Eastern Assoc. Coal Corp.
Address Pittsburgh, PA 15219

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 8-17-78.

Robert T. Blosser

Deputy Director - Oil & Gas Division INSPECTOR TO BE NOTIFIED Wm. Blosser
Fairmont
PH: 363-9105 ADDRESS Colfax, W. Va.

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 25 1975 by Heirs of Perry Yost made to Yost & Yost, Inc. and recorded on the 5th day of May 1975, in Monongalia County, Book 760 Page 459

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, Yost & Yost, Inc.
(Sign Name) Roddie D. Yost
Well Operator
Route # 2
Street
Fairview
City or Town
West Virginia
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-373 PERMIT NUMBER

47-061

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Yost & Yost, Inc. NAME Yost & Yost, Inc.
 ADDRESS Rt. 2, Fairview, WV 26570 ADDRESS Rt. 2, Fairview, WV 26570
 TELEPHONE 304-798-3161 TELEPHONE 304-798-3161
 ESTIMATED DEPTH OF COMPLETED WELL: 3200 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Bayard
 TYPE OF WELL: OIL _____ 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	25		
9 - 5/8			
8 - 5/8	650	650	<i>2 Surface</i> 80 sacks
7	2200	2200	80 sacks
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER 1,880 FEET
 APPROXIMATE COAL DEPTHS 600
 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 Eastern Assoc. 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 Eastern Assoc. 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.

R. B. Snyder
 For Coal Company
Chief Engineer
 Official Title