

Minimum Error of Closure Less than 1 in 2000

Source of Elevation Yost Heirs Wall #3 Approximately 500' NE. on Flo Berdine Farm Elev 1228.20

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.

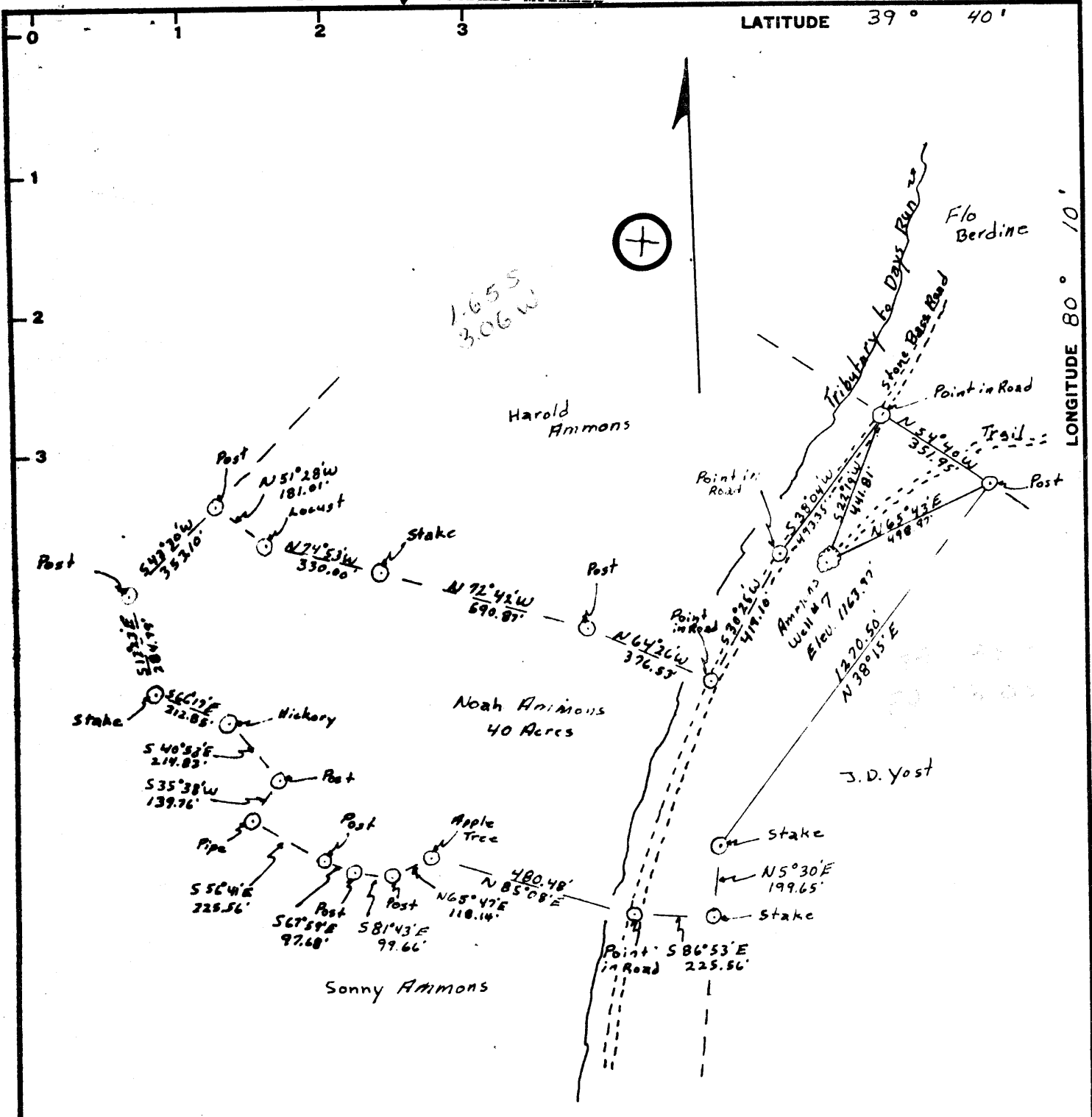
Company Yost & Yost, Inc.  
 Address Rt #2 Fairview W.Va.  
 Farm Noah Ammons (Sonny E.)  
 Tract 1 Acres 40 Lease No. \_\_\_\_\_  
 Well (Farm) No. Ammons #7 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1163.79  
 Quadrangle Blacksville WC  
 County Morgania District Clay  
 Engineer William P. Foley  
 Engineer's Registration No. 4449  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 8-9-76 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. MON-352  
47-061-C352-FRAC.  
 + 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 lines of original tracing.

**47-061**



Minimum Error of Closure Less than 1 in 2000

Source of Elevation Yost Heirs Well #3 Approximately 500' N.E. on Flo Berdine Farm Elev. 1228.20

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.

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 Address Rt #2 Fairview W.Va.  
 Farm Noah Ammons  
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 Engineer William P. Foley  
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 Date 8-9-76 Scale 1"=400'

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

WELL LOCATION MAP

FILE NO. MON-352

+ 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**



IV-35  
(Rev 8-8)

**RECEIVED**  
DEC 29 1986

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date December 23, 1986  
Operator's  
Well No. 7  
Farm Sonny E. Ammons  
API No. 47 - 061 - 0352-Fr

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil x / Gas x / Liquid Injection    / Waste Disposal    /  
(If "Gas," Production    / Underground Storage    / Deep    / Shallow    /)

LOCATION: Elevation: 1163.79 Watershed Day's Run  
District: Western County Monongalia Quadrangle Blacksville

COMPANY Yost & Yost, Inc.  
ADDRESS Rt. # 2, Fairview, WV 26570  
DESIGNATED AGENT Joe D. Yost  
ADDRESS Same  
SURFACE OWNER Sonny E. Ammons (Deceased)  
ADDRESS Same  
MINERAL RIGHTS OWNER Sonny E. Ammons  
ADDRESS     
OIL AND GAS INSPECTOR FOR THIS WORK Don  
Ellis ADDRESS Fairmont, WV 26554  
PERMIT ISSUED 4/80 4/3/80  
DRILLING COMMENCED 4/80 4/7/80  
DRILLING COMPLETED 4/80 4/22/80 ✓  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON   

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2	2266	557	
3			
2	60		
Liners used			

GEOLOGICAL TARGET FORMATION Injun Depth    feet  
Depth of completed well 2266 feet Rotary x / Cable Tools     
Water strata depth: Fresh 42 feet; Salt 2030 feet  
Coal seam depths: 213 - 398 - 648 Is coal being mined in the area? No

OPEN FLOW DATA  Treatment not successful  
Producing formation    Pay zone depth    feet  
Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow    Mcf/d Final open flow 1/2 Bbl/d  
Time of open flow between initial and final tests    hours  
Static rock pressure    psig (surface measurement) after    hours shut in  
(If applicable due to multiple completion--)  
Second producing formation    Pay zone depth    feet  
Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow    Mcf/d Oil: Final open flow    Bbl/d  
Time of open flow between initial and final tests    hours  
Static rock pressure    psig (surface measurement) after    hours shut in

(Continue on reverse side)

JAN 12 1987

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

2021 08 03 010

Well treatment not successful

2021 08 03 010

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas

**RECEIVED**  
DEC 29 1986

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

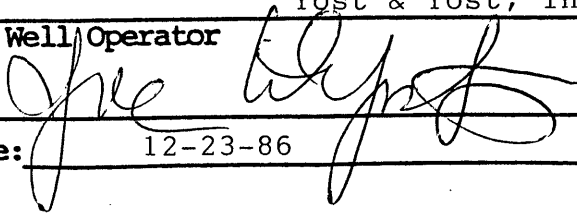
(Attach separate sheets as necessary)

Yost & Yost, Inc.

Well Operator

By:

Date:



President

12-23-86

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



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STATE OF WEST VIRGINIA OCT 26 1977

OCT 17 1977

DEPARTMENT OF MINES  
OIL & GAS DIVISION

Oil and Gas Division DEPT. OF MINES OIL & GAS DIVISION  
DEPT. OF MINES

WELL RECORD 19

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

Quadrangle Blacksville

Permit No. Mon. 352

Company Yost & Yost, Inc.  
Address Route # 2, Fairview, WV 26570  
Farm Ammons Acres 40  
Location (waters) Day's Run  
Well No. 7 Elev. 1164  
District Clay County Monongalia  
The surface of tract is owned in fee by Harold Ammons & Sonny E. Ammons  
Address Rt. 2, Fairview, WV 26570  
Mineral rights are owned by Harold & Sonny E. Ammons Address Rt. 2, Fairview, WV  
Drilling Commenced 4-10-77  
Drilling Completed 6-4-77  
Initial open flow None cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day 1/2 bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ 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	410	410	130 sacks
<input checked="" type="checkbox"/> 6 5/8	2018	2018	180 sacks
5 1/2			
4 1/2			
3			
2	None	2147	
Liners Used	None		

Well treatment details:

None

Attach copy of cementing record.

Coal was encountered at 213-398-648-760 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 42 Feet \_\_\_\_\_ Salt Water 2030 Feet \_\_\_\_\_  
Producing Sand Injun Depth 2207

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Lime		Hard	62	82		
Shale		Soft	82	107		
Sand		Hard	107	132		
Sandy Lime		Hard	132	175		
Lime		Hard	175	210		
Coal		Soft	210	213		
Lime-Slate		Hard	213	308		
Coal		Soft	308	310		
Lime-Slate		Hard	310	337		
Sand		Hard	337	392		
Coal		Soft	392	398		
Sand-Slate		Hard	398	460		
Shale-Lime		Soft	460	491		
Lime		Hard	491	536		
Red Rock		Soft	536	590		

(over)

\* Indicates Electric Log tops in the remarks section.

NOV 7 1977

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Lime		Hard	590	641		
Coal		Soft	641	648		
Slate-Shale		Hard	648	671		
Lime		Hard	671	731		
Slate		Hard	731	760		
Coal		Soft	760	768		
Lime		Hard	768	792		
Sand-Lime		Hard	792	825		
Lime-Shale		Soft	825	852		
Red Rock		Soft	870	882		
Lime-Shale		Soft	882	912		
Red Rock-Lime		Soft	942	972		
Lime-Shale		Soft	972	1003		
Shale		Soft	1003	1025		
Lime		Hard	1025	1033		
Shale		Soft	1033	1063		
Lime		Hard	1063	1123		
Lime-Sand		Hard	1123	1153		
Lime-Shale		Soft	1153	1170		
Lime		Hard	1170	1190		
Red Rock		Soft	1190	1214		
Shale		Soft	1214	1245		Cave
Red Rock		Soft	1245	1274		Cave
RedRock-Slate			1274	1305		
Slate-Shale			1305	1320		
Coal		Soft	1320	1324		
Slate-Shale			1324	1335		
Slate		Hard	1335	1426		
Lime		Hard	1426	1485		
Shale		Soft	1485	1514		
Slate		Hard	1514	1607		
Shale-Sand			1607	1637		
Sand		Hard	1637	1848		
Sand-Lime		Hard	1848	1879		
Red Rock		Soft	1879	1966		
Sand		Hard	1966	1997		Cave
Lime		Hard	1997	2030	Oil-Water	
<u>Sand</u> INJUN.		Hard	2030	2207	Total Depth	

Date October 14, 19 77

APPROVED Yost & Yost, Inc. Owner

By Joe Yost President  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP 2 1976

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Harold & Sonny Ammons  
Address Route # 2, Fairview, WV 26570  
Mineral Owner Harold & Sonny Ammons  
Address Route # 2, Fairview, WV 26570  
Coal Owner Eastern Associated Coal Corp.  
Address Pittsburgh, PA 15219  
Coal Operator Same  
Address Same

DATE August 31, 1976  
Company Yost & Yost, Inc.  
Address Route # 2, Fairview, WV 26570  
Farm Ammons Acres 40  
Location (waters) Day's Run  
Well No. 7 Elevation 1163.79  
District Clay County Mon.  
Quadrangle Blacksville

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 1-2-77.

Deputy Director - Oil & Gas Division  
GENTLEMEN:

INSPECTOR TO BE NOTIFIED William Blosser  
363-9105 ADDRESS Colfax, W.Va.  
PH: \_\_\_\_\_

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 30, 1976 by Harold & Sonny Ammons made to Yost & Yost, Inc. and recorded on the 17th. day of May 1976, in Monongalia County, Book 775 Page 162

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 31st. day August 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)

Well Operator

Route # 2

Street

Fairview

City or Town

West Virginia 26570

State

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 679  
Morgantown, W. Va. 26505

Address  
of  
Well Operator

MON-352

PERMIT NUMBER

47-061

BOND DRILL

**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 No NAME Joe D. Yost  
 ADDRESS \_\_\_\_\_ ADDRESS Route # 2, Fairview, WV 26570  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-798-3161  
 ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_ ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 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	20 ft.	20 ft.	4 sacks
9, - 5/8			
8 - 5/8	800 ft.	800 ft.	<del>CTS 100 sacks</del>
7	2000 ft.	2000 ft.	100 sacks
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 300 FEET SALT WATER 2,040 FEET  
 APPROXIMATE COAL DEPTHS 600 , 710  
 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.


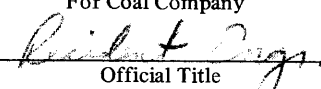
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

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.

  
 \_\_\_\_\_  
 For Coal Company  
  
 \_\_\_\_\_  
 Official Title



[108,78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 7  
API Well No. 47-352-100  
State County Permit 47-061-035  
FRAC

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow  )  
LOCATION: Elevation: 1163.79 Watershed: Day's Run  
District: Clay County: Monongalia Quadrangle: Blacksville

WELL OPERATOR Yost & Yost, Inc.  
Address Route # 2  
Fairview, WV 26570

DESIGNATED AGENT Joe D. Yost, President  
Address Route # 2  
Fairview, WV 26570

OIL & GAS ROYALTY OWNER  
Address \_\_\_\_\_

COAL OPERATOR EACC, Federal # 2 Mine  
Address Route # 1  
Fairview, WV 26570

SURFACE OWNER Sonny E. Ammons  
Address Route # 2  
Fairview, WV 26570  
Acreage 40

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Eastern Associated Coal Corp.  
Address Koppers Building  
Pittsburgh, PA 15219

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name William Blosser  
Address Colfax, WV 26566  
Summit - 363-9105

COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
**APR - 3 1980**

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated Mar. 23, 1976, to the undersigned well operator from Harold E. and Sonny E. Ammons

[If said deed, lease, or other contract has been recorded:]

Recorded on May 17, 1976, in the office of the Clerk of the County Commission of Mon. County, West Virginia, in \_\_\_\_\_ Book 775 at page 162. A permit is requested as follows:

PROPOSED WORK: Drill  / Drill deeper  / Redrill  / Fracture or stimulate  / Plug off old formation  / Perforate new formation  / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1418 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3090

Yost & Yost, Inc.  
Well Operator  
By [Signature]  
President

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Yost & Yost, Inc.  
Address Route # 2  
Fairview, WV 26570

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2266 feet Rotary X / Cable tools     

Approximate water strata depths: Fresh, 42 feet; salt, 2,030 feet.

Approximate coal seam depths: 213-398-648-760 Is coal being mined in the area? Yes X / No     

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	7"						2,018	to surface	
Production	4 1/2"	K-55	10 1/2	X					Depths set
Tubing	1 1/2"			X			2,250		
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and 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 fracturing. This permit shall expire if operations have not commenced by 12-3-80.

[Signature]  
Deputy Director - Oil & Gas Division  
The following conditions are completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator      / owner      / lessee      / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date:     , 19     

By       
Its