

Minimum Error of Closure  $\frac{1}{500}$   
 Source of Elevation SCT. OF ROADS AT HARMAN = 2359

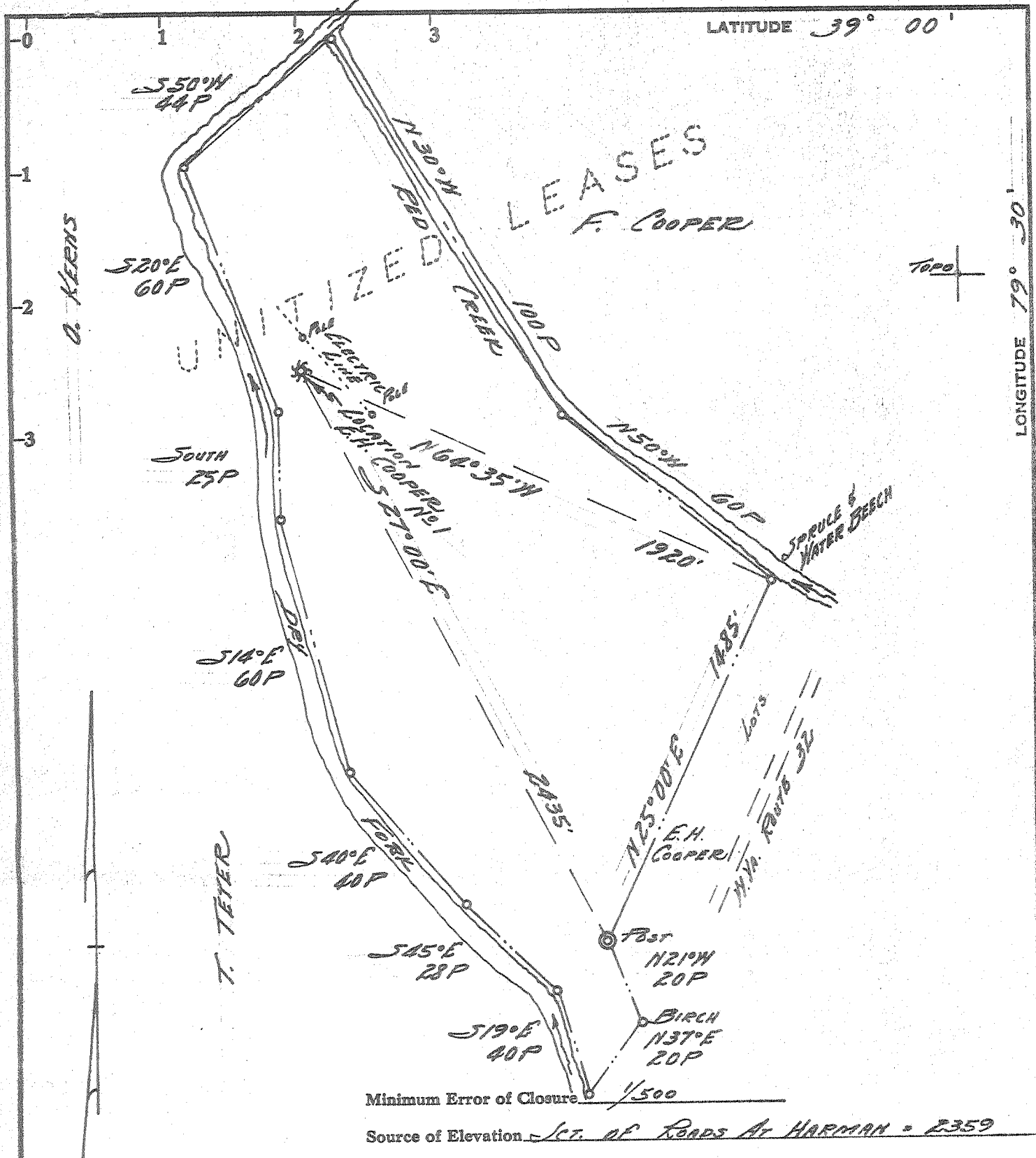
Fracture.....   
 New Location.....   
 Drill Deeper.....   
 Abandonment.....  9/14/77  
 EASTERN OPERATING COMPANY  
 Signed: Paul G. Dean  
 Squares: N S E W

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 STEEN-LOUWERIKS, INC.  
 Address 1000 W. 10th St., Okla. City, Okla.  
 Farm E. H. COOPER  
 Tract 1 Acres 77± Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 2180  
 Quadrangle HORTON NE  
 County RANDOLPH District DRY FORK  
 Engineer PAUL G. DEAN  
 Engineer's Registration No. 1856  
 File No. 136-12-13 Drawing No. 71-47  
 Date SEPT. 4, 1971 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 Rt. 2  
 Cambridge Ohio 43725  
**WELL LOCATION MAP**  
 FILE NO. RAN-157 Conc.  
Now: Ran-159-P  
 + 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.  
 47-083 OCT '7 1977

Deep Well (Oriskany)



- 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: *Paul G. Dean*

Squares: N S E W

EASTERN OPERATING COMPANY

Company ~~SEVEN INTERESTS, INC.~~  
 Address ~~2700 W. MAIN ST., CHARLESTON, W. VA.~~  
 Farm E. H. COOPER  
 Tract 1 Acres 77± Lease No. \_\_\_\_\_  
 Well (Farm) No. 016 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 2180  
 Quadrangle HORTON NE  
 County RANDOLPH District DRY FORK  
 Engineer PAUL G. DEAN  
 Engineer's Registration No. 1856  
 File No. 136-12-13 Drawing No. 71-47  
 Date SEPT. 4, 1971 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 Rt. 2  
 Cambridge  
 Ohio 43725

WELL LOCATION MAP

FILE NO. BAN-157-Cont  
 Now: Ran-159  
 + 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.  
 NO WELL RECORD = SEE PI CARD!

1-0  
 Deep well (Oriskany)

W VA RANDOLPH 39.00.00 79.30.00 \*PERMIT 159  
 10300 S 2800 W WF WF  
 EASTERN OPERATING 1 E H COOPER  
 2192 KB 2180 GR DRY FORK WILDCAT  
 API 47-083- 20159-00  
 05/10/1972 09/14/1977 ROTARY D&A-G  
 8000 ORISKANY GERALD JONES  
 DTD 8060 FM/TD ORISKANY  
 CSG 16 @ 66 11 3/4 @ 200 01 02  
 CSG 8 5/8 @ 1885 5 1/2 @ 7085 04 05  
 CSG 3 1/2 @ 8060 06  
 TR-1  
 OPR CORR FROM SKEEN ENTERPRISES  
 PTE 325FW 325- 325 003  
 OPENHOLE  
 SQZD  
 FM NOT RPTD  
 PTF 1UG  
 ORISKANY 007  
 FRAC  
 ACID  
 INT NOT RPTD  
 FRAC-DETAILS NOT RPTD  
 ACID-DETAILS NOT RPTD  
 MAP QUAD HORTON ACRES 77  
 EASTERN OPERATING  
 RT 2  
 CAMBRIDGE OH  
 5 MI SW OF ORISKANY DISC, ONE WELL UNNAMED  
 FIELD

P+A 9/14/77

47 1

\*\* W VA RANDOLPH 10300 S 2800 W 39.00 79.30  
 EASTERN OPERATING 1 E H COOPER 159 DRY FORK  
 2192 KB 2180 GR WILDCAT  
 SPUD 05/10/72 SUS  
 CSG 11 3/4 AT 200 8 5/8 AT 1885W/ CMT  
 5 1/2 AT 7085 3 1/2 6860 - 8060  
 DTD 8060  
 MAP QUAD HORTON PROJ DEPTH 8000 ORISK AC 77  
 CONTR GERALD JONES TOOLS RT  
 OPR CHANGED FROM SKEEN ENTERPRISES  
 CARTER COORD 10-DD-120  
 TR 1  
 5 MI SW OF ORISKANY DISCOVERY, ONE WELL UNNAMED  
 FIELD  
 3/4 MI NW OF TOWN OF DRY FORK  
 SET 16 CSG AT 66  
 HFW FROM 325, SQZD W/CMT  
 7000 TD, TOOLS STUCK, SET TWO WHIPSTOCKS  
 DRLD BY TOOLS  
 FRACT & ACID CHERT, ORISKANY, F GAS  
 SD, DROPPED FROM REPORT UNTIL OPERATIONS RESUME  
 COMPLETION

ISSUED 04/20/73

47 23



RECEIVED

SEP 14 1977

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Horton  
Permit No. RAN-159

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

Company Gerald Jones (Eastern Operating)  
Address P.O. Box 12, Spencer, W.Va. 25276  
Farm E. H. Cooper Acres 77+  
Location (waters) Dry Fork of Red Creek  
Well No. One Elev. 2180'  
District Dry Fork County Randolph  
The surface of tract is owned in fee by E. H. Cooper

Address Dry Fork, W.Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 5-10-72  
Drilling Completed 9-14-72  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 16"	66'		75 bgs. CTS.
20-16 20"	11'		
Cond. 13-10" 11 3/4"	207'		120 bgs. CTS.
9 5/8			
8 <del>7/8</del> 7/8"	1886'		70 bgs.
7			
5 1/2	7085'		150 bgs.
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 40 - 275 Feet 300 - 500 Salt Water 2300' Feet damp  
Producing Sand \_\_\_\_\_ Depth 8060'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Chert			7443'	7498'		No well record available - made up from Inspector's reports.....
Oriskany			7539'	7638'		
Lower Oriskany			7718'	7992'		
Top of Held berg			7992'	8060'		
					Total Depth	

*Plugged 10-14-77*

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

FEB 25 1972

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 February 24, 1972  
Company Eastern Operating Company  
Address Route # 2 - Cambridge, Ohio  
Farm E. H. Cooper Acres 79  
Location (waters) Dry Fork  
Well No. 1 Elevation 2180  
District Dry Fork County Randolph  
Quadrangle \_\_\_\_\_

Surface Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Mineral Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Coal Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

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 June 25, 1972.

INSPECTOR TO BE NOTIFIED Mr. Paul Thomas  
Buckhannon, W. Va. PH 472-6418

Robert L. Allen  
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 September 25 1972 by E. H. Cooper et ux made to Orel J. Skeen and recorded on the 11 day of May 19 72 in Randolph County, Book 265 Page 413  
X X 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.

Very truly yours, EASTERN OPERATING COMPANY  
(Sign Name) By [Signature] Well Operator President  
Route # 2  
Street  
City or Town Cambridge  
Ohio 43725  
State

Address  
of  
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.

BOND DRILL

Permit # RA-157 PERMIT NUMBER  
RA-157

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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Flanigan Brothers NAME Mr. Larry Skeen  
 ADDRESS Route # 6 - Cambridge, Ohio ADDRESS Ripley, West Virginia  
 TELEPHONE 614-432-5688 TELEPHONE 614-432-5343  
 ESTIMATED DEPTH OF COMPLETED WELL: 8,000 ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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     13 3/8	100'	100'	To Surface
9 - 5/8			
8 - 5/8	2,000'	2,000	To Surface
7			
5 1/2			
4 1/2		8,000	500'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET     SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ 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



# THE TRAVELERS

August 15, 1975

State of West Virginia  
Department of Mines  
Division of Oil & Gas  
Charleston, WV 25305

Re: Eastern Operating Company  
Cambridge, Ohio

Gentlemen:

We would like to be informed as to whether or not you have any bonds on file in the name of Eastern Operating Company with The Travelers Indemnity Company as Obligee.

Thank you for your cooperation and courtesy.

Sincerely,

(Mrs.) Peggy J. Jones  
Surety Assistant

pjj  
Encl.

P.S. We have enclosed a self-addressed envelope for your convenience in replying.

August 28, 1975

Mrs. Jones:

We have two Single Bonds - \$1,000.00 each - on file for the above company - that cannot be released until Final Release letters are received from the district inspector.

RAN-154-P - Glenn H. Norvell # 1 (Monument needs installed for I.D)  
RAN-159 - E.H. Cooper # 1 - Need well record (Inspector states this well was completed - 9-14-72 -

Robert Dodd



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
FEB 25 1972  
OIL & GAS  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 24, 1972  
Company Eastern Operating Company  
Address Route # 2 - Cambridge, Ohio  
Farm E. H. Cooper Acres 79  
Location (waters) Dry Fork  
Well No. 1 Elevation 2180  
District Dry Fork County Randolph  
Quadrangle \_\_\_\_\_

Surface Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Mineral Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Coal Owner E. H. Cooper  
Address Dry Fork, W. Virginia  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

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 June 25, 1972.

INSPECTOR TO BE NOTIFIED Mr. Paul Thomas  
Buckhannon, W. Va. PH 472-6418

Robert P. 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 title thereto, (or as the case may be) under grant or lease dated September 25 1972 by E. H. Cooper et ux made to Orel J. Skeen and recorded on the 11 day of May 1972 in Randolph County, Book 265 Page 413

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.

Very truly yours, EASTERN OPERATING COMPANY  
(Sign Name) By: J. H. W. [Signature]  
Well Operator President

Address  
of  
Well Operator

Route # 2  
Street  
Cambridge  
City or Town  
Ohio 43725  
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.

BOND DRILL

Ran-159 PERMIT NUMBER  
Formerly Ran-157



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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME Flanigan Brothers Gerald Jones NAME Mr. Larry Skeen  
 ADDRESS Route # 6 - Cambridge, Ohio ADDRESS Ripley, West Virginia  
 TELEPHONE 614-432-5688 TELEPHONE 614-432-5343  
 ESTIMATED DEPTH OF COMPLETED WELL: 8,000 ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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 13 3/8	100'	100'	To Surface
9 - 5/8			
8 - 5/8	2,000'	2,000	<del>To Surface</del> 500'
7			
5 1/2			
4 1/2		8,000	500'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top and Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ BY WHOM? \_\_\_\_\_

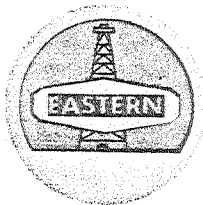
TO DRILL:  
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.  
 TO DRILL DEEPER OR REDRILL:  
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 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL 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.

60' - 13"  
200' - 11/4/45

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



OPERATING COMPANY  
OIL AND GAS EXPLORATION

ROUTE 2 (County Road 98)  
CAMBRIDGE, OHIO 43725

May 1, 1972

Mr. Robert L. Dodd, Deputy Director  
Oil And Gas Division  
Department of Mines  
2000 Quarrier Street  
Charleston, West Virginia

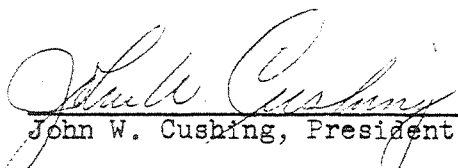
Re: Permit # Ran-159

Dear Mr. Dodd:

Eastern Operating Company would like to revise their casing program under Permit Ran.-159 at Dry Fork, West Virginia as per our telephone conversation on May 1, 1972. The following is our new casing proposal:

13" — 60 feet  
11 3/4" - 200 feet - cemented to surface.  
8 5/8" - 2,000 feet - cemented 500 feet.  
4 1/2" - 8,200 feet - cemented 500 feet.

Yours Truly,

  
John W. Cushing, President  
EASTERN OPERATING COMPANY

*Paul*

*I received this casing program*

*with Cushing.*

*The operator was also changed to*

*Jones, just put this letter copy*

*with the permit for our approval.*

*J. L. H. 10/11/72*

RECEIVED

MAY 3 1972

OIL & GAS DIVISION  
DEPT. OF MINES

RECEIVED

JUN 13 1972

ADAMS AND SKEEN  
ATTORNEYS AT LAW  
216 MAIN STREET  
RIPLEY, WEST VIRGINIA 25271

OIL & GAS DIVISION  
DEPT. OF MINES

RONALD H. ADAMS  
LARRY L. SKEEN  
KENNAD L. SKEEN

PHONE 304 372-6191  
372-3061

June 9, 1972

Mr. Robert Dodd  
Chief of Oil and Gas Division  
Department of Mines  
Charleston, W. Va. 25305

Re: K. H. COOPER DRILL # 1

Dear Sir:

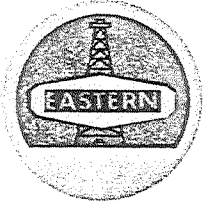
Pursuant to the provisions of Senate Bill No. 72 as enacted by the Legislature of West Virginia, under West Virginia Code Chapter 22 Article 4A Section 7, sub-heading (b)(4), you will find attached hereto and incorporated herein instrument(s) which contain(s) written consent and easement for the drilling or operation of a deep well and for the production of oil or gas upon the subject tract of land mentioned in that/those instrument(s).

Said instrument(s) has/have been executed, acknowledged and placed on record in the office of the Clerk of the County Court of PUTNAM County, West Virginia, for valuable consideration, and all owners of the surface of said tract of land having consented, and the well having been located on the SOUTHWESTERN quadrangle.

Very truly yours,

*Ronald H. Adams*

Enclosure



OPERATING COMPANY  
OIL AND GAS EXPLORATION

ROUTE 2 (County Road 98)  
CAMBRIDGE, OHIO 43725

March 1, 1973

RECEIVED  
MAR 5 1973

OIL & GAS DIVISION  
DEPT. OF MINES

Mr. Robert L. Dodd  
Deputy Director  
Oil and Gas Division  
Charleston, West Virginia

Re:	Permit	<u>RAN-159</u>
	Farm	<u>E. H. Cooper</u>
	Well No.	<u>1</u>
	District	<u>Dry Fork</u>
	County	<u>Randolph</u>
	Issued	<u>2-25-72</u>

Dear Mr. Dodd:

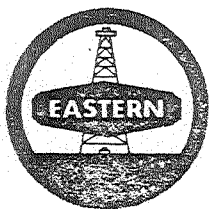
In regard to your letter of February 28, 1973 requesting the completion record on the reference well. We are still in the process of completing this well, therefore we will send you the required information as soon as possible.

Sincerely,

EASTERN OPERATING COMPANY

J. O. Sharp  
Vice President

JOS/fo



OPERATING COMPANY  
OIL AND GAS EXPLORATION

ROUTE 2 (County Road 98)  
CAMBRIDGE, OHIO 43725

March 1, 1973

RECEIVED  
MAR 5 1973

OIL & GAS DIVISION  
DEPT. OF MINES

Mr. Robert L. Dodd  
Deputy Director  
Oil and Gas Division  
Charleston, West Virginia

Re:	Permit	<u>RAN-159</u>
	Farm	<u>E. H. Cooper</u>
	Well No.	<u>1</u>
	District	<u>Dry Fork</u>
	County	<u>Randolph</u>
	Issued	<u>2-25-72</u>

Dear Mr. Dodd:

In regard to your letter of February 28, 1973 requesting the completion record on the reference well. We are still in the process of completing this well, therefore we will send you the required information as soon as possible.

Sincerely,

EASTERN OPERATING COMPANY

*J. O. Sharp*  
J. O. Sharp  
Vice President

May 6, 1975

JOS/fo

*Will we have to forfeit the Bond on this Well in order to obtain a Well Record & Well logs on this Well.*



State of West Virginia

Department of Mines  
Oil and Gas Division  
Charleston 5

John Ashcraft  
Director

Robert L. Dodd  
Deputy Director

May 9, 1975

Mr. James C. Mitchell  
First Bank of Marietta  
320 Front Street  
Marietta, Ohio 45750

IN RE: Permit	<u>RAN-159</u>
Farm	<u>E. H. Cooper</u>
Well No.	<u>1</u>
District	<u>Dry Fork</u>
County	<u>Randolph</u>
Issued	<u>2-25-72</u>

Gentlemen:

Please send two copies of the completion drilling record for the above described well location, in order that our inspector can make a final inspection for bond release.

Administrative Regulations-Rule 2.09 (3) reads; Well Record to be submitted. Within ninety days after the drilling, fracturing and/or treating of any oil and/or gas well is completed, two copies of form OG-10 (Well Record and/or Log), shall be sent by registered mail by the well operator or owner to the Deputy Director.

We would appreciate the above information at your earliest convenience.

Very truly yours,

Deputy Director  
Oil and Gas Division

RLD/f

We are trying to bring these files up to date and we enclose blank OG-10 forms for your convenience. If you are unable to supply this information and if you are able to refer us to anyone who could be of assistance in this matter we would appreciate it very much.



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

August 28, 1975

Eastern Operating Company  
Route 2 (County Road 98)  
Cambridge, Ohio 43725

Attn: John W. Cushing, President

In Re: E.H. Cooper # 1 - RAN-159

Dear Mr. Cushing:

We have been trying since September, 1972, to get a record of the drilling (OG-10) for the above captioned well issued to your company in February of 1972.

Our inspector states this well was started - 5-10-72 and completed 9-14-72 - copy of inspector's well report enclosed.

We received a letter from Travelers Insurance concerning the bond for this well and wanting to know the status.

Please see that this well record is submitted immediately.

Very truly yours,

Robert L. Dodd, Deputy Director

RLD/ch

Encl: copy of inspection dated 9-15-72 (well records)

cc: Adams and Skeen, Attys-at-law-216 Main St. Ripley, W.Va. 25271  
Gerald Jones - P.O. Box 12, Spencer, W.Va. 25276  
Paul Thomas-District Inspector - P.O. Box 12-Buckhannon, W.Va. 26201

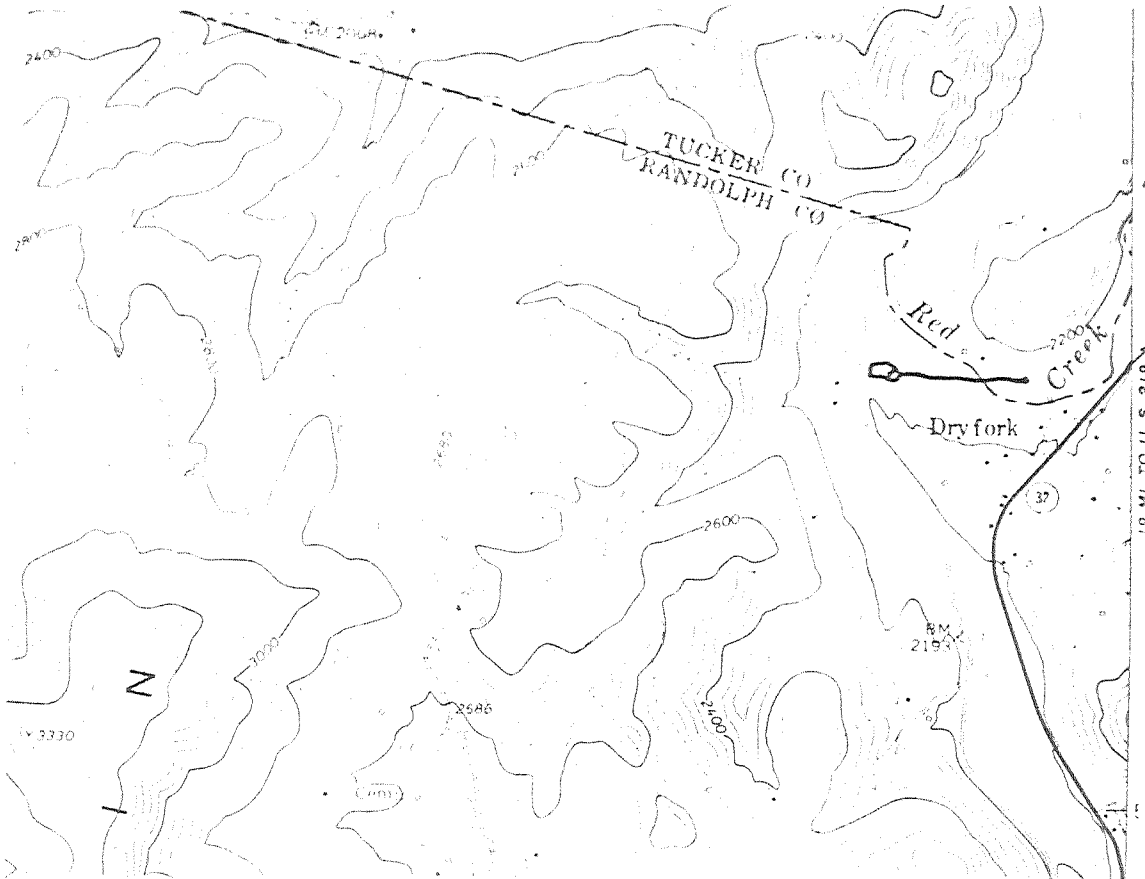
RECLAMATION PLAN

WELL NO. 1

QUADRANGLE Harmon

SCALE 1" = 2000'

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME Gerald Jones PERMIT NO. Ran 159

FARM E.H. Cooper DISTRICT Dry Fork COUNTY Randolph

STATEMENT OF RECLAMATION PLAN:

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.

*Existing road is relatively level and Grassy. Location will be grade and seeded when completed. Pits and road will be reclaimed as required.*

RECEIVED

SEP 14 1977

OIL & GAS DIVISION  
DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

Please indicate ( No. ) "YES" if the district inspector was present.

"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."

Submitted By: Gerald P Jones Title \_\_\_\_\_ Date 9/14/77





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SEP 14 1977

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

OIL & GAS DIVISION  
DEPT. OF MINES

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9, ARTICLE 4, CHAPTER 22 OF THE CODE)

TO THE DEPARTMENT OF MINES  
Charleston, W. Va.

None	Eastern Operating Company
Coal Operator	Name of Well Operator c/o Gerald D. Jones
Address	Complete Address P. O. Box 12 Spencer, WV 25276
Coal Owner	Date 9-14-77
Address	WELL TO BE ABANDONED Dry Fork District
E. H. Cooper	Randolph County
Lease or Property Owner	Well No. 1
Dry Fork, WV.	E. H. Cooper Farm
Address	

Inspector Bill Hatfield, P.O. Box 385, Buckhannon, W.Va. Telephone 472-4268

TO BE NOTIFIED 24 HOURS IN ADVANCE OF PLUGGING OPERATIONS

Gentlemen:—

The undersigned well operator is about to abandon the above described well and will commence the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Very truly yours,  
Eastern Operating Co.  
By: Gerald D. Jones  
Well Operator

NOTE: Upon the abandonment of any well drilled prior to June 1, 1929, a plat prepared by a registered engineer, shall be filed with THREE COPIES OF APPLICATION, (OG-9) AND "WORK ORDER" AND TWO COPIES OF THE WELL RECORD, (OG-10). The map must show the district and county in which the tract of land is located, the name and acreage of same, the name or names of the owners and names of adjacent tracts and the location of the well to be abandoned, determined by survey with the courses and distances of such well from two permanent points or landmarks on said tract, in compliance with Rule 5 of the Rules and Regulations.

NOTE: In case plugging is not commenced within four months from the date of permit, same shall expire and be of no further force or effect.

NOTE: PERMIT IS NON TRANSFERABLE.

RAN-159-P

47-083

Permit Number

AFFIDAVIT, FORM OG-8, MANNER WELL PLUGGED MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows:

T. D. 8,060'  
Cement 8,060' - 7,760' (15 sacks)  
Pull 1½" tubing  
Loosen 3½" tubing  
Jell hole  
Pull 3½" tubing  
Free-point 5½" Casing  
Pump 15 sacks of cement where 5½" Casing is parted  
Pull 5½" Casing  
Free-point 8" Casing  
Set permanent bridge where 8" Casing is parted  
Pull 8" Casing  
Set permanent bridge at 100'  
Fill to surface  
Erect marked according to Rule #14:

To the Department of Mines  
Coal Owner or Operator,  
Lease or Property Owner.

IF PARTIAL PLUGGING  
PLEASE SUBMIT REVISED WELL RECORD  
WHEN WORK IS COMPLETED.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Very truly yours,

Well Operator

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

14th. day of September, 19-77.

DEPARTMENT OF MINES  
Oil and Gas Division

By: 

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.

SKEEN AND SKEEN  
ATTORNEYS AND COUNSELLORS AT LAW  
216 MAIN STREET  
RIPLEY, WEST VIRGINIA 25271

LARRY L. SKEEN  
KENNAD L. SKEEN

CABLE ADDRESS: SKEENIAW  
TELEPHONE 304-372-6191

WASHINGTON, D. C. OFFICE  
1302 18TH ST, N. W.  
SUITE 203  
WASHINGTON, D. C. 20036  
TELEPHONE 202-223-6274

January 17, 1978

REPLY TO: Ripley

Mr. Robert Dodd  
Chief, Oil & Gas Division  
West Virginia Department of Mines  
1204 Kanawha Boulevard  
Charleston, West Virginia 25301

RECEIVED

JAN 23 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Dear Bob:

As promised, you will find enclosed Gerald Jones' Affidavit concerning the plugging of the E. H. Cooper well. With this Affidavit I would appreciate a letter from you indicating the satisfaction of the plugging requirements concerning this well and an indication as to the fact that the only thing remaining to be done is the restoration of the land around the well.

Thank you.

Very truly yours,

  
Larry L. Skeen

LLS/f

Encl.

cc: Charles Hougland, Esq.  
Hampshire Gas Company



State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

ROBERT L. DODD - P. E.  
DEPUTY DIRECTOR

February 1, 1978

Robert Stewart  
Jane Lew, WV

PERMIT NO	<u>RAN-159-P</u>
COMPANY	<u>Eastern Operating Co.</u>
FARM	<u>E. H. Cooper</u>
WELL NO	<u>1</u>
DISTRICT	<u>Dry Fork</u>
COUNTY	<u>Randolph</u>

Dear Sir:

Please make a Final Inspection of the well described above. If all relative laws, rules and regulations have not been complied with, please advise in detail.

Very truly yours,

Robert L. Dodd

RLD/



State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

March 15, 1978

WALTER N. MILLER  
DIRECTOR

ROBERT L. DODD - P. E.  
DEPUTY DIRECTOR

Gerald D. Jones  
P.O. Box 12  
Spencer, W.Va. 25276

For: Eastern Operating Co.

In Re: PERMIT NO RAN-159-P  
FARM E. H. Cooper  
WELL NO One  
DISTRICT Dry Fork  
COUNTY Randolph

Gentlemen:

The Final Inspection Report for the above described well has been received in this office. Only the column checked below applies.

         The well designated by the above permit number has been released under your Blanket Bond.

XXXXXX Please return the enclosed cancelled Single Bond which covered the well designated by the above permit number to the Surety Company who executed said bond in your behalf, in order that they may give you credit on their records.

         Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Robert L. Dodd

RLD/chm

Encl: Single Bond dated 2-25-72 (The Travelers Indemnity Co.)

GERALD D. JONES  
DRILLING CONTRACTOR  
SPENCER, WEST VIRGINIA 25276

July 13, 1978

PHONES: 927-1550  
927-1580

RECEIVED

JUL 1 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Mr. Robert Dodd  
State of West Virginia  
Department of Mines  
Oil & Gas Division  
Charleston, WV 25300

Dear Bob:

Re: Permit No. RAN-159  
E. H. Cooper Farm - Randolph County  
(See copy of "Affidavit of Plugging  
and Filling Well" attached)

In our telephone conversation this morning you advised me that the release of the bond for the well shown above was made by your office on March 15, 1978. I have been unable to locate a copy of this release in my files.

Will you please send a duplicate copy of the release to my insurance company, The Calhoun Insurance Agency, in the enclosed addressed envelope.

Yours very truly,

Gerald D. Jones

GDJ/mg

Enclosures

7-14-78

Mailed release to: The Calhoun Insurance Agency  
Court Street  
Grantsville, W.Va. 26147  
Attn: Sue W. McCoy