



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
MAY 11 1981

Oil and Gas Division

OIL & GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 30, 1981

Surface Owner L. L. Moss  
Address Rt. 1, Box 289, Elkins, WV  
Mineral Owner Jim J. LaRosa  
Address 420 Buckhannon Pike, Clarksburg, WV  
Coal Owner Jim J. LaRosa  
Address 420 Buckhannon Pike, Clarksburg, WV  
Coal Operator None  
Address \_\_\_\_\_

Company Tyrone Energy, Inc.  
Address 420 Buckhannon Pike, Clarksburg, WV  
Farm L. L. Moss Acres 181 7/8  
Location (waters) Brook Run  
Well No. #4 (Four) Elevation 2152  
District Roaring Creek County Randolph  
Quadrangle Ellamore

**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 1-14-82

INSPECTOR  
TO BE NOTIFIED Robert S. Stewart  
ADDRESS P. O. Box 345, Jane Lew, WV 26378  
PHONE 884-7782

[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 June 10 19 76 by Ruth Woods Dayton, Widow made to James Joseph LaRosa and recorded on the 24 day of January 19 77, in Randolph County, Book 305 Page 629

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:

Very truly yours, [Signature]  
(Sign Name) Tyrone Energy, Inc.  
Well Operator

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address  
of  
Well Operator

420 Buckhannon Pike  
Street  
Nutter Fort  
City or Town  
WV 26301  
State

**BLANKET BOND**

47-083- 0471

PERMIT NUMBER

"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."

Signed by [Signature]

File

**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 Unknown \_\_\_\_\_ NAME Rodger Stevens \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS 420 Buckhannon Pike, Nutter Fort, WV \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-623-6751 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 5300 \_\_\_\_\_ ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Elk \_\_\_\_\_  
 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	30'	30'	Circulate
9 - 5/8			
8 - 5/8	1300'	1300'	Circulate
7			
5 1/2			
4 1/2		5200	<u>520 Sacks</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET \_\_\_\_\_ SALT WATER 395 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? No \_\_\_\_\_ BY WHOM? \_\_\_\_\_

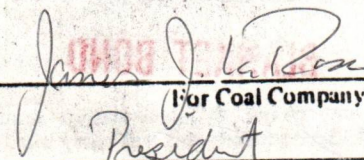
**TO DRILL:**  
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**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 James J. LaRosa 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 James J. LaRosa 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.

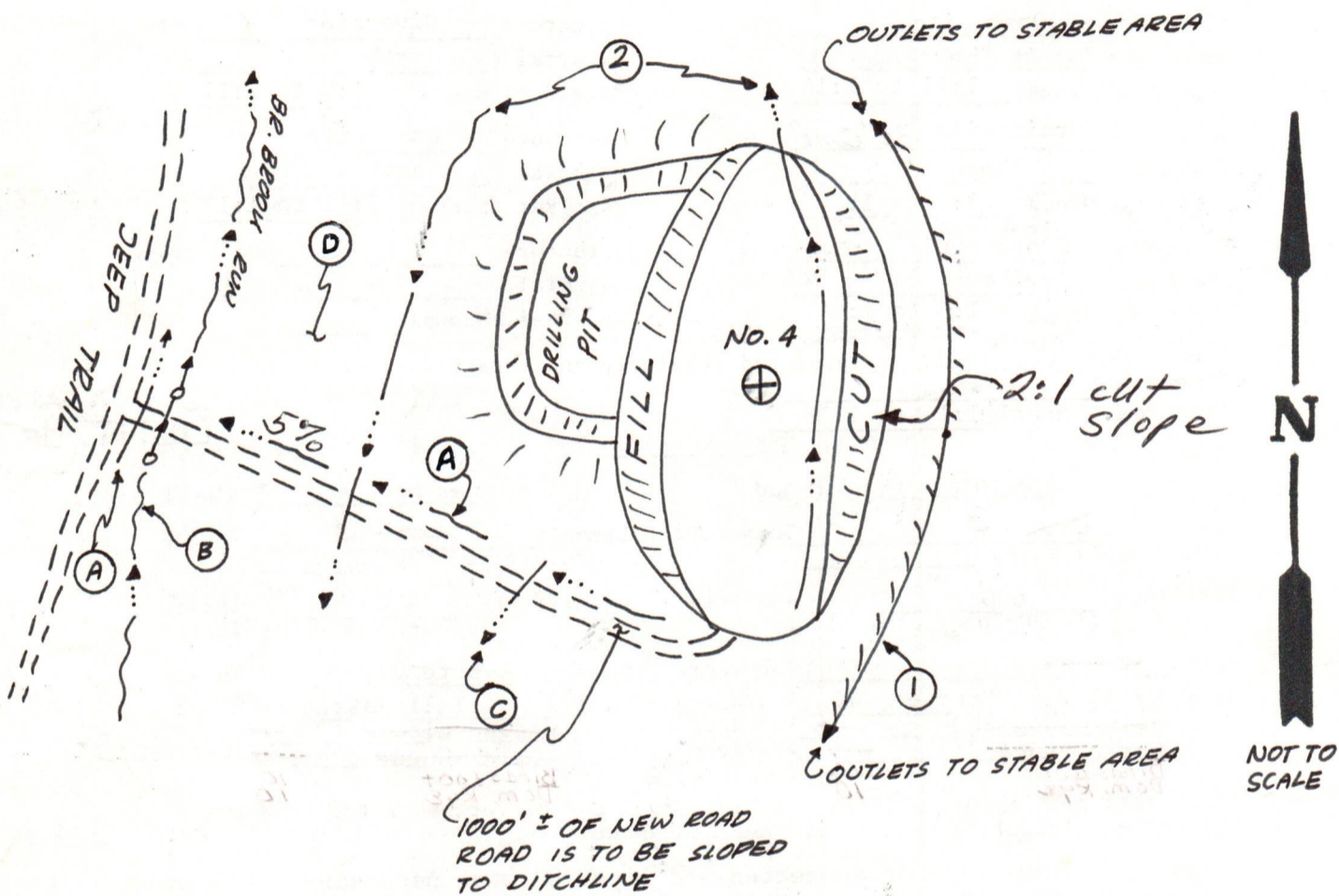
03/15/2024  
  
 \_\_\_\_\_  
 President  
 Official Title

Well Site Plan

- Legend:
- Property Boundry
  - Road
  - Existing Fence
  - Planned Fence
  - Stream
  - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: The brush and timber will be cut and removed from the road area and well site before earth work begins in accordance with applicable state regulations. As the road and well site are brought to desired grade, the erosion control structures will be installed in conjunction with these operations. Under most conditions, this plan will be followed; however, due to lease restrictions, surface owner requests, weather conditions, etc., this plan may need to be altered. Subsequently, the proper erosion and sediment control measures will be installed in conjunction with these changes. The well road will leave an existing jeep trail and travel some 1000-feet to the well site.

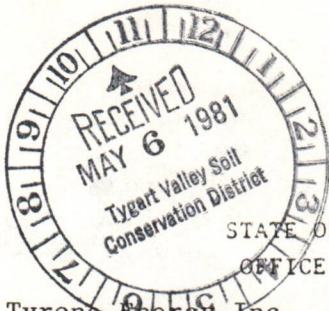
Roadbanks & Back slope Cut 2:1

03/15/2024

Signature: Roger Stevens 420 Buckhannon Pike, Clarksburg, WV 26301 (304)623-6751  
 Address Phone Number

Roger Stevens

Landowners cooperation to protect new seeding for one growing season.



Date April 29, 1981  
 Well No. Tyrone No. 4  
 API No. 47 - 083 - 0471-Ren  
 State West Virginia County Perrine

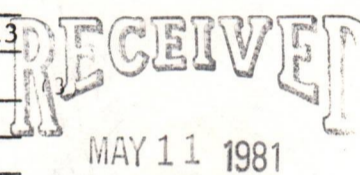
STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name Tyrone Energy Inc. Designated Agent Roger Stevens  
 Address 420 Buckhannon Pike, Clarksburg, WV 26301  
 Telephone (304)623-6751

Landowner L. L. Moss Soil Cons. District Tygarts Valley

Revegetation to be carried out by Roger Stevens (Agent)  
 This plan has been reviewed by Tygarts Valley SCD All corrections and additions become a part of this plan. 5-9-81 (Date) J. L. Helms (SCD Agent)

Access Road	Location
Structure <u>Open Ditch</u> (A)	Structure <u>Diversion</u> (1)
Spacing <u>As Shown</u>	Material <u>Earth</u>
Page Ref. Manual <u>1:11 to 1:14</u>	Page Ref. Manual <u>1:9 to 1:11</u>
Structure <u>Drain Pipe 36" CMP</u> (B)	Structure <u>Open Ditch</u> (2)
Spacing <u>As Shown</u>	Material <u>Earth</u>
Page Ref. Manual <u>1:7 to 1:8</u>	Page Ref. Manual <u>1:11 to 1:13</u>
Structure <u>Ditch Relief Cross Drain</u> (C)	Structure <u></u>
Spacing <u>As Shown</u>	Material <u></u>
Page Ref. Manual <u>1:3 to 1:6</u>	Page Ref. Manual <u></u>
Structure <u>Vegetal Retardance Area</u>	
Spacing <u>As Shown</u>	
Page Ref. Manual <u>1:15 to 1:18</u>	



OIL & GAS DIVISION  
DEPT. OF MINES

Revegetation

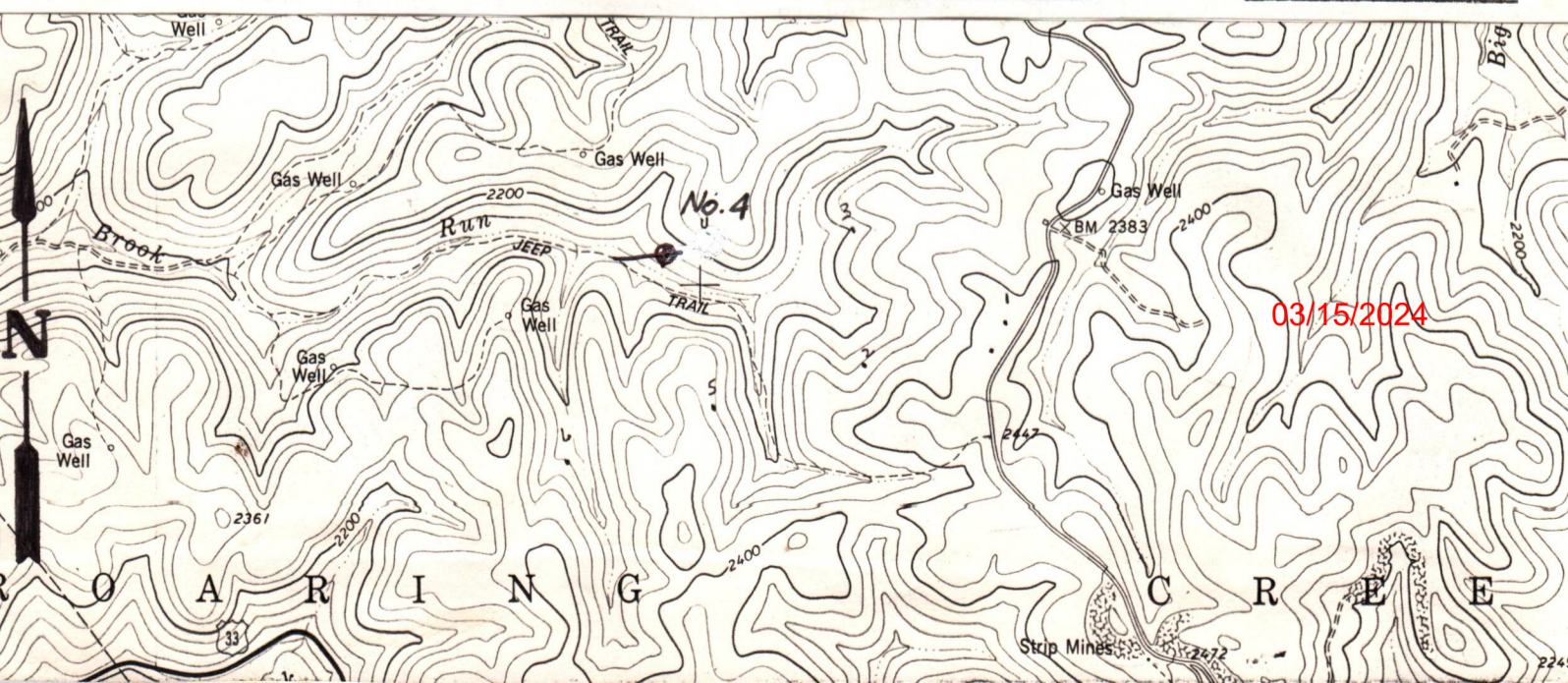
Treatment Area I (Road)	Treatment Area II (Well Site)
Lime <u>2.0</u> <u>3</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>2.0</u> <u>3</u> Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>1.5 to 2.0</u> Tons/Acre	Mulch <u>1.5 to 2.0</u> Tons/Acre
Seed* <u>Ky 31 Tall Fescue 40</u> lbs/acre	Seed* <u>Ky 31 Tall Fescue 40</u> lbs/acre
<u>Ladino Clover 4</u> lbs/acre	<u>Ladino Clover 4</u> lbs/acre
<u>Spring Wheat 100</u> lbs/acre	<u>Spring Wheat 100</u> lbs/acre
<u>Birdsfoot Dom. RYE 10</u>	<u>Birdsfoot Dom. RYE 10</u>

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

All structures will be inspected and repaired when necessary. All commercial timber is to be cut and stacked. All brush and small timber is to be cut and removed from the site before the dirt work begins.

Attach or photocopy section of involved Topographic map. U.S.G.S. Topo Map Ellamore 7.5 min. (1977)

Legend: Well Site Farm: L. L. Moss County: Randolph  
 Access Road District: Roaring Creek Scale: 1" = 2000'



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 Unknown \_\_\_\_\_ NAME Kenneth E. Reese \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS 420 Buckhannon Pike, Nutter Fort, WV \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 623-6751 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 5300 \_\_\_\_\_ ROTARY X \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 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 PUT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	30'	30'	Circulate
9 - 5/8			
8 - 5/8	1300'	1300'	Circulate
7			
5 1/2			
4 1/2		5200	520 Sacks
			Perf. Top
			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET \_\_\_\_\_ SALT WATER 395 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 COAL BEING MINED IN THE AREA? No \_\_\_\_\_ BY WHOM? \_\_\_\_\_

DRILL:  
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

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 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 of this permit.

I, the undersigned, Agent for James J. LaRosa 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 James J. LaRosa Coal Company have no objections to said well being drilled and operated providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

James J. LaRosa  
 For Coal Company  
 President  
 Official Title

03/15/2024



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JAN 13 1982

Oil and Gas Division

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner L. L. Moss  
Address Rt. 1, Box 289, Elkins, WV  
Mineral Owner Jim J. LaRosa  
Address 420 Buckhannon Pike, Clarksburg, WV  
Coal Owner Jim J. LaRosa  
Address 420 Buckhannon Pike, Clarksburg, WV  
Coal Operator None  
Address \_\_\_\_\_

DATE January 12, 1982  
Company Tyrone Energy, Inc.  
Address 420 Buckhannon Pike, Clarksburg, WV  
Farm L.L. Moss Acres 181 7/8  
Location (waters) Brooks Run  
Well No. 4 (Four) Elevation 2152  
District Roaring Creek County Randolph  
Quadrangle Ellamore

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 renewed. This permit shall expire if operations have not commenced by 9-18-82.

INSPECTOR TO BE NOTIFIED Robert S. Stewart  
ADDRESS P.O. Box 345, Jane Lew, WV 26378  
PHONE 884-7782

John B. ...  
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 title thereto, (or as the case may be) under grant or lease dated June 10, 1976 by Ruth Woods Dayton, Widow made to James Joseph LaRosa and recorded on the 24 day of January 1977 in Randolph County, Book 305 Page 629  
X NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULA  
\_\_\_\_\_ 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 same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Kenneth E. Reese  
(Sign Name) Tyrone Energy Inc.  
Well Operator

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS  
1615 Washington Street, East  
Charleston, West Virginia  
Area Code 304 -348-3092 348-3096

Address of Well Operator  
420 Buckhannon Pike Street  
Nutter Fort, WV 26301 City or Town  
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 for 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

47-083-0471 -REN. PERMIT NUMBER

"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."  
Signed by Kenneth E. Reese

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

RECEIVED

MAR 17 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0468 - 0469 - 0470 - 0471 - 0472 - 0476

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company JYRONE ENERGY  
 Address CLARKSBURG  
 Farm L.L. NOSS -  
Howes NOSS  
 Well No. 1-2 3-4-5-6  
 District POWERS CREEK County RA. DEIPH  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Initial open flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
 Open flow after tubing \_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: CHECK LOCATIONS WITH SES & CO CHANGE ROADS TO PREVENT UNDUVE DAMAGE WILL SUBMIT NEW PLANS

03/15/2024

3-15-82

*[Signature]*



B-12

*no final*

State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

March 23, 1982

THOMAS E. HUZZEY

DEPUTY DIRECTOR

WALTER N. MILLER  
DIRECTOR

Tyrone Energy, Inc.  
420 Buckhannon Pike  
Clarksburg, W.Va. 26301

In Re: PERMIT NO RAN-471-REN.  
FARM L.L. Moss  
WELL NO Tyrone #4  
DISTRICT Roaring Creek  
COUNTY Randolph

Gentlemen:

The final inspection report for the above described well has been received in this office. Only the column checked below applies.

XXXXXX The well designated by the above permit number has been released under your Blanket Bond.(Permit Cancelled - Re-Issued under RAN-636)

         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

Thomas E. Huzzey

TEH/rl