

7.5' (OGIS map)  
 0.17S  
 0.92W  
 15' (scale)  
 3.05S  
 3.17W

FRAC 10/31/75  
~~New Location~~   
 Drill Deeper   
 Redrill   
 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 Burdette Oil & Gas Co. Inc.  
~~STREET STREET~~  
 Address Kanawha Valley Bank Bldg  
 Farm ALEXANDER DAWSON  
 Tract Acres 250 Unit Lease No.  
 Well (Farm) No. 3 Serial No.   
 Elevation (Spirit Level) 982.27 840.27-75 oppo  
 Quadrangle KENNA SW 4LA 1/8/82  
 County KANAWHA District POCA  
 Engineer Arthur E. Buda  
 Engineer's Registration No. 1530  
 File No. 5407 Drawing No. K  
 Date JULY 29, 1968 Scale 1" = 2000'

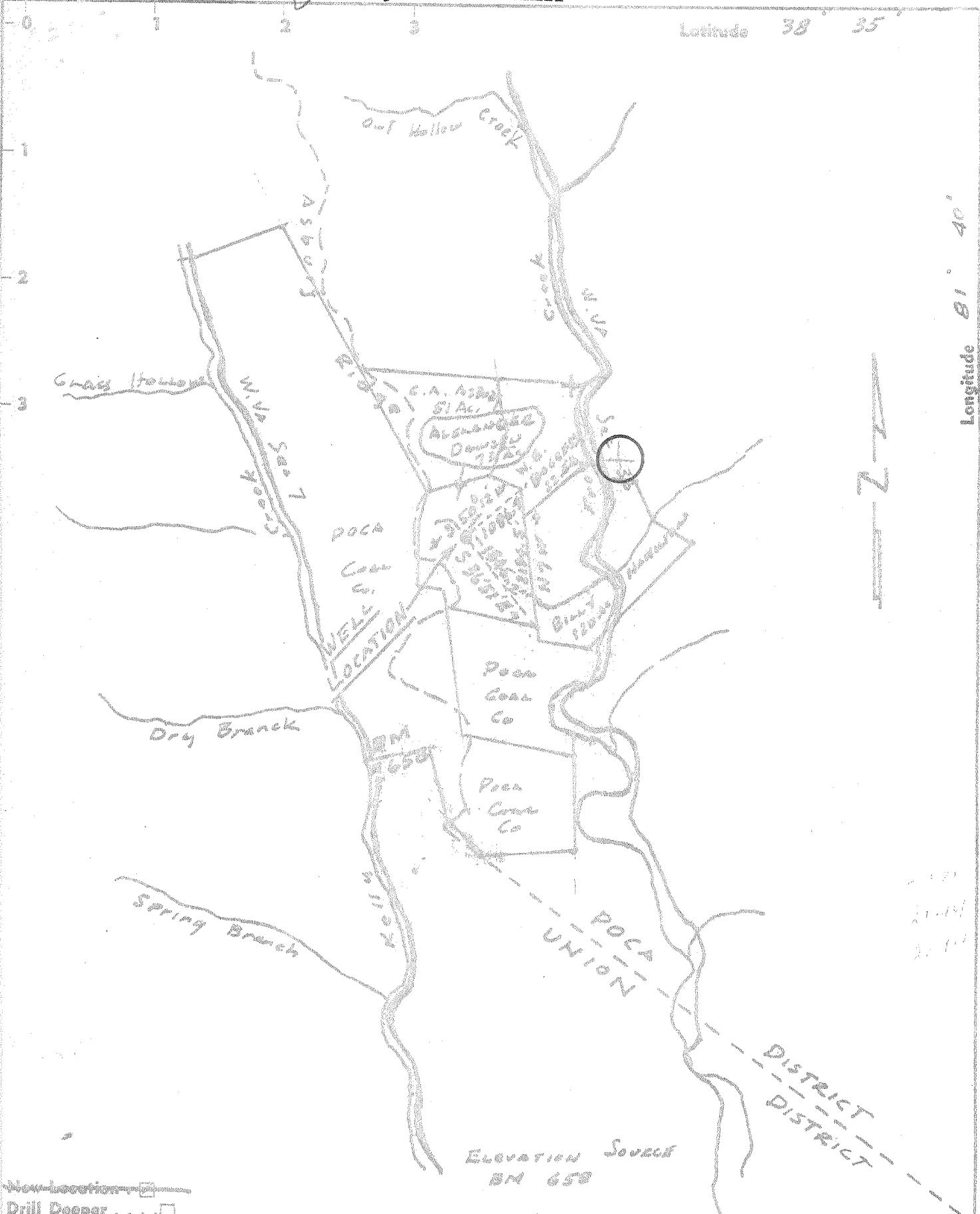
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. KAN-2293-P  
 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 line of original tracing.

47-039



- Well location
- Drill Deeper
- Redrill
- Abandonment

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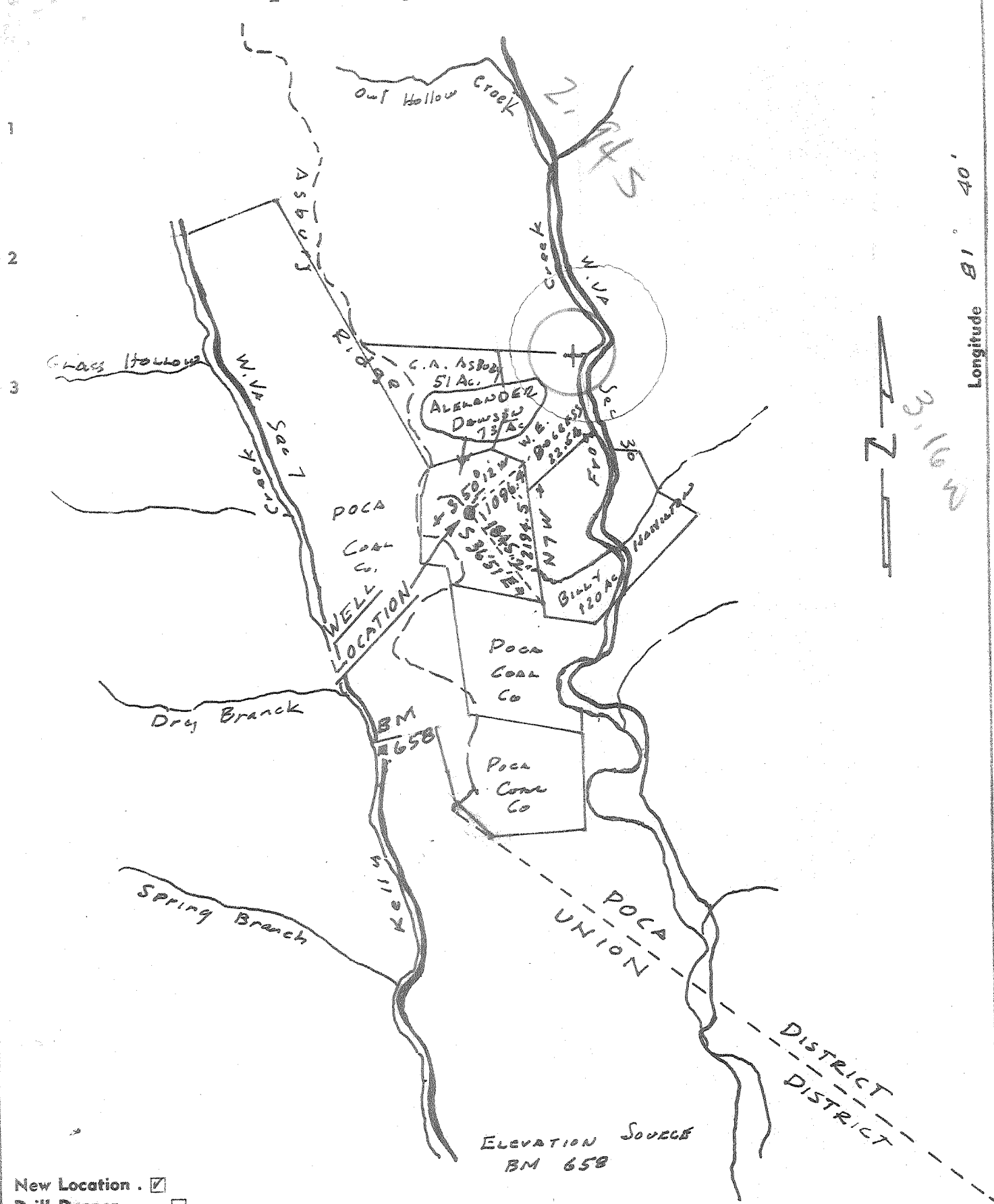
Company GURDNER OIL & GAS CO. INC.  
 Address Charleston, W. Va.  
 Form ALEXANDER DAMSON  
 Tract Acres 250 Unit Lease No. \_\_\_\_\_  
 Well (Farm) No. 2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 782.27  
 Quadrangle KENNA SW  
 County KANAWHA District POCA  
 Engineer Arthur R. [Signature]  
 Engineer's Registration No. 1520  
 File No. 5407 Drawing No. K  
 Date JULY 22, 1968 Scale 1" = 2000'

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

WELL LOCATION MAP  
 FILE NO. KAN-2293-P

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- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- 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 STONESTREET LAND CO.  
 Address Kanawha Valley Bank Bldg.  
 Farm ALEXANDER DAWSON  
 Tract \_\_\_\_\_ Acres 250 Unit \_\_\_\_\_ Lease No. \_\_\_\_\_  
 Well (Farm) No. 3 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 982.27  
 Quadrangle KENNA SW  
 County KANAWHA District POCA  
 Engineer Arthur E. Bula  
 Engineer's Registration No. 1530  
 File No. 5407 Drawing No. K  
 Date JULY 29, 1968 Scale 1" = 2000'

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

**WELL LOCATION MAP**  
 FILE NO. KAN-2293

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage  WELL

38° 45'  
7-32

WELL RECORD

Oil or Gas Well Gas

Quadrangle Kenna  
Permit No. KAH-2293

Company Stonestreet Lands Company  
Address Box 350, Spencer, W. Va.  
Farm Alexander Dawson Acres 250  
Location (waters) Kelly Creek  
Well No. I Elev. 240.27  
District Poca County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Thomas Dawson et al  
Address Charleston, W. Va.  
Drilling commenced 8/15/69  
Drilling completed 9/15/69  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

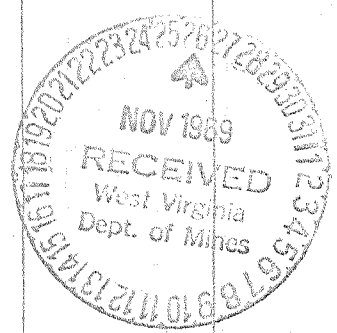
| Casing and Tubing | Used in Drilling | Left in Well | Feet         |
|-------------------|------------------|--------------|--------------|
| Size              |                  |              |              |
| 16                |                  |              | Kind of      |
| 13 3/8            | 163              | 55           |              |
| 10                |                  |              | Size of      |
| 8 1/4             |                  |              |              |
| 8 3/8             | 2194             | 2194         | Depth of     |
| 5 3/16            |                  |              |              |
| 4 1/2             | 5898             | 5890         | Perf. top    |
| 3                 |                  |              | Perf. bottom |
| 2                 |                  |              | Perf. top    |
| Liners Used       |                  |              | Perf. bottom |

With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) \_\_\_\_\_  
WELL FRACTURED (DETAILS) \_\_\_\_\_

Attach copy of cementing record. See attached records  
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
Amount of cement used (bags) \_\_\_\_\_  
Name of Service Co. \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT (Initial open flow or bbls.) 3,000,000 3,000 MCFGPD  
ROCK PRESSURE AFTER TREATMENT 1,900 # HOURS \_\_\_\_\_  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1600 Feet Hole full  
Producing Sand Newburg Depth 5827

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------|---------|
| Top soil       |       |              | 0    | 5      |                   |       |         |
| Shale          |       |              | 5    | 30     |                   |       |         |
| Red rock       |       |              | 30   | 40     |                   |       |         |
| Shale          |       |              | 40   | 50     |                   |       |         |
| Red rock       |       |              | 50   | 55     |                   |       |         |
| Shale          |       |              | 55   | 80     |                   |       |         |
| Red rock       |       |              | 40   | 85     |                   |       |         |
| Shale          |       |              | 85   | 137    |                   |       |         |
| Red rock       |       |              | 137  | 150    |                   |       |         |
| Shale          |       |              | 150  | 200    |                   |       |         |
| Red rock       |       |              | 200  | 220    |                   |       |         |
| Shale          |       |              | 220  | 300    |                   |       |         |
| Sand and shale |       |              | 300  | 460    |                   |       |         |
| Red rock       |       |              | 460  | 470    |                   |       |         |
| Sand and shale |       |              | 470  | 500    |                   |       |         |
| Sand           |       |              | 500  | 580    |                   |       |         |
| Red rock       |       |              | 580  | 585    |                   |       |         |
| Sand           |       |              | 585  | 915    |                   |       |         |
| Black slate    |       |              | 915  | 920    |                   |       |         |
| Slate          |       |              | 920  | 935    |                   |       |         |
| Black slate    |       |              | 935  | 1000   |                   |       |         |
| Slate          |       |              | 1000 | 1055   |                   |       |         |
| Sand slate     |       |              | 1050 | 1140   | Water at          | 1140  |         |
| Sand           |       |              | 1140 | 1250   |                   |       |         |
| Shale          |       |              | 1250 | 1360   |                   |       |         |
| Sand shale     |       |              | 1360 | 1375   |                   |       |         |
| Lime           |       |              | 1375 | 1410   |                   |       |         |



| Formation               | Color | Hard or Soft | Top <i>9</i> | Bottom | Oil, Gas or Water  | Depth Found | Remarks |
|-------------------------|-------|--------------|--------------|--------|--------------------|-------------|---------|
| Shale                   |       |              | 1410         | 1500   |                    |             |         |
| Salt sand               |       |              | 1500         | 1930   | 1600 Water         |             |         |
| Shale                   |       |              | 1930         | 1935   |                    |             |         |
| Lime <i>B. Line</i>     |       |              | 1935         | 2025   |                    |             |         |
| Gas <i>22 340</i>       |       |              | 2025         | 2120   |                    |             |         |
| Slate                   |       |              | 2120         | 2125   |                    |             |         |
| Injun Sand              |       |              | 2160         | 2170   |                    |             |         |
| Slate                   |       |              | 2170         | 2815   |                    |             |         |
| Sand                    |       |              | 2815         | 2850   |                    |             |         |
| Shale                   |       |              | 2800         | 2875   |                    |             |         |
| Sand                    |       |              | 2875         | 2900   |                    |             |         |
| Shale                   |       |              | 2900         | 3300   |                    |             |         |
| Brown shale             |       |              | 3300         | 3525   |                    |             |         |
| Shale                   |       |              | 3525         | 4100   |                    |             |         |
| Sand shale              |       |              | 4100         | 4150   |                    |             |         |
| Shale                   |       |              | 4150         | 4920   |                    |             |         |
| Brown shale             |       |              | 4920         | 4980   |                    |             |         |
| K. Line <i>Oriskany</i> |       |              | 4980         | 5080   |                    |             |         |
| Sand <i>Oriskany</i>    |       |              | 5080         | 5140   |                    |             |         |
| Shale sand              |       |              | 5140         | 5570   |                    |             |         |
| Brown shale             |       |              | 5540         | 5560   | 5400 = Gas sulphur |             |         |
| Shale                   |       |              | 5560         | 5745   |                    |             |         |
| Lime                    |       |              | 5745         | 5825   | 5826               | 5826        |         |
| Newburg                 |       |              | 5826         | 5840   | 5080               | 982         |         |
| Lime McKenzie           |       |              | 5840         | 5890   | 746                | 484 4       |         |
| T. D.                   |       |              | 5890         |        |                    |             |         |

Date Nov. 21, 1969

APPROVED Stonestreet Lands Company, Owner

By Jean J. Matheus, Sec.  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP 17 1975

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 September 17, 1975

Surface Owner Alexander Dawson  
Address Charleston, W.Va.  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner None  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Burdette Oil & Gas Company, Inc.  
Address 7 1/2 Spring St. Charleston, W.Va. 25302  
Farm Alexander Dawson Acres 72  
Location (waters) Kelly Creek  
Well No. 1 Elevation 932.27'  
District Union County Kanawha  
Quadrangle Kenna

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Provisions being in accordance with Chapter 22,  
the W. Va. Code, the location is hereby approved

Fracturing. This permit shall expire if  
operations have not commenced by 1-17-76.

Robert H. Ladd  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols  
PH: 548-6993 ADDRESS Clendenin, W.Va. 25045

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 July 28 19 68 by Luther Harless to Stonestreet Lands made to Burdette Oil & Gas Co. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

\_\_\_\_\_ NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL XXXXX 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,  
(Sign Name) Burdette Oil & Gas Company, Inc.  
Well Operator

PLEASE SUBMIT COPIES OF ALL  
PERMITS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P. O. Box 879  
Martinsburg, W. Va. 26505  
Tel. 304-296-4461

Address  
of  
Well Operator  
7 1/2 Spring Street  
Street  
Charleston  
City or Town  
West Virginia 25302  
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.

KAN-2293-FRAC. \_\_\_\_\_ PERMIT NUMBER

BLANKET BOND

47-039

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

PROPOSED WORK ORDER TO \_\_\_\_\_ DRILL \_\_\_\_\_ DEEPEN XXXXXX FRACTURE-STIMULATE  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT:  
 NAME \_\_\_\_\_ NAME L. G. Burdette  
 ADDRESS \_\_\_\_\_ ADDRESS 7 1/2 Spring Street-Charleston, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 344-3618  
 ESTIMATED DEPTH OF COMPLETED WELL: \_\_\_\_\_ ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX 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                |                   |              |                                     |
| 8 - 5/8                |                   |              |                                     |
| 7                      |                   |              |                                     |
| 5 1/2                  |                   |              |                                     |
| 4 1/2                  |                   |              |                                     |
| 3                      |                   |              | Perf. Top                           |
| 2 3/8" on Packer       |                   | 2900'        | Perf. Bottom                        |
| Liners                 |                   |              | Perf. Top                           |
| 200' Cement Plug       |                   |              | Perf. Bottom                        |
| 5100' - 4900'          |                   |              |                                     |

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER 1600 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS None \_\_\_\_\_  
 IS COAL BEING MINED IN THE AREA? None 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