

Fracture Before 6/5/29   
 New Location  4/3/78  
 Drill Deeper   
 Redrill   
 Abandonment

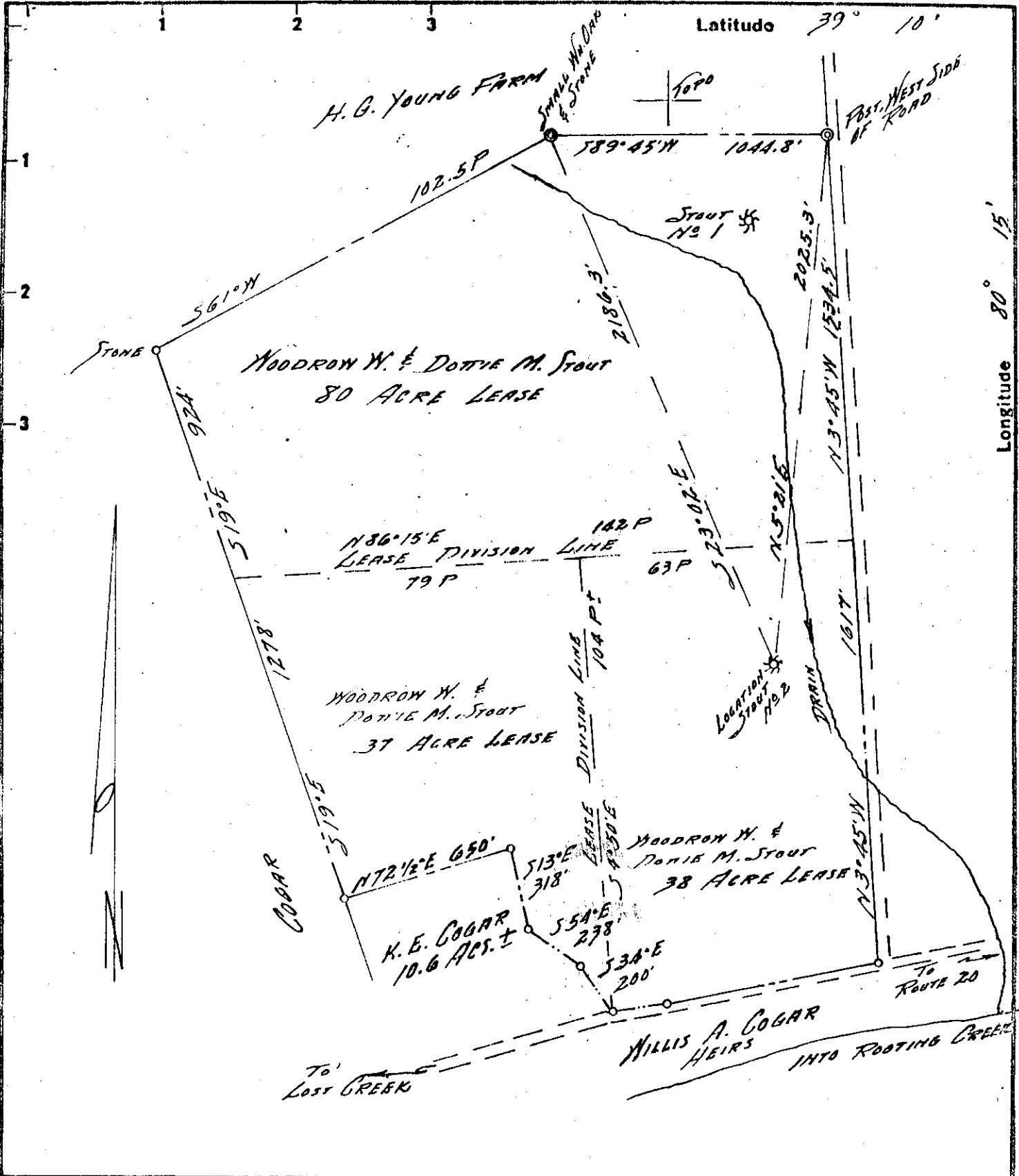
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. *Paul S. Dean*  
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations. **PROVEN ELEVATION** *Set of Roads 2400' N. OF LOCATION*

Company ROCKY DRILLING CO.  
 Address 16 RAGER AVE. BULLMAN, W. VA. 26201  
 Farm WOODROW H. STOUT & DONNIE M. STOUT  
 Tract 2 Acres 38.0/155 Lease No. \_\_\_\_\_  
 Well (Farm) No. TWO Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1110  
 Quadrangle WESTON EC  
 County HARRISON District ELK  
 Engineer PAUL G. DEAN  
 Engineer's Registration No. 1856  
 File No. 136-9-66 Drawing No. 68-26  
 Date DEC. 3, 1968 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. HAR-502-DD

+ 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. APR 10 1978  
 - Denotes one inch spaces on border line of original tracing. **47-033**



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**PROVEN ELEVATION** *SEE OF RECORD 2000'S N. OF LOCATION*

Company *ROCKEY DRILLING CO.*  
 Address *25,201 16 REGER AVE. BULKHANNON, W. VA.*  
 Farm *WOODROW W. STOUT & DOTIE M. STOUT*  
 Tract *2* Acres *38 OF 155* Lease No. \_\_\_\_\_  
 Well (Farm) No. *TWO* Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) *1110*  
 Quadrangle *WESTON* *(EC)*  
 County *HARRISON* District *ELK*  
 Engineer *PAUL G. DEAN*  
 Engineer's Registration No. *1856*  
 File No. *136-9-66* Drawing No. *68-26*  
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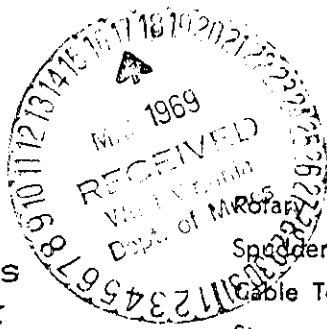
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. *HAR-502*

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION



- Spigot
- Cable Tools
- Storage

Quadrangle.....  
Permit No. HAR-502

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

Company <u>Rockey Drilling Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Reser Avenue, Buckhannon, W. Va.</u>	Size			
Farm <u>W. Stout</u> Acres <u>38</u>	16			Kind of Packer
Location (waters)	13			Size of
Well No. <u>#2</u> Elev. <u>1110</u>	10	<u>679</u>		Depth set
District <u>Elk</u> County <u>Harrison</u>	8 1/4	<u>1714</u>	<u>1714</u>	
The surface of tract is owned in fee by <u>W. Stout</u>	6 3/8			Perf. top
Address <u>Mt. Clare, W. Va.</u>	5 3/16			Perf. bottom
Mineral rights are owned by <u>W. Stout</u>	4 1/2			Perf. top
Address <u>Mt. Clare, W. Va.</u>	3			Perf. bottom
Drilling commenced <u>12/18/68</u>	2			
Drilling completed <u>3/5/69</u>	Liners Used			
Date Shot <u>Not shot</u> From To				
With				

Open Flow 10ths Water in Inch  
10ths Merc. in Inch  
 Volume 800,000 Cu. Ft.  
 Rock Pressure 600 lbs. 24 hrs.  
 CO          bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) No

WELL FRACTURED (DETAILS) No

Attach copy of cementing record.  
 CASING CEMENTED 8" SIZE 1714 No. Ft.          Date           
 Amount of cement used (bags) 60 sacks  
 Name of Service Co. W. Garrett  
 COAL WAS ENCOUNTERED AT 375 FEET. 12 INCHES  
         FEET.          INCHES.          FEET.          INCHES  
         FEET.          INCHES.          FEET.          INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 800 McF

ROCK PRESSURE AFTER TREATMENT          HOURS         

Fresh Water 60 Feet          Salt Water          Feet         

Producing Sand 5th Sand Depth 2100 to 2138

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	15			
Sand	LD		15	115	Water	60'	
Shale Shells			115	297			
Sand	BD		297	320			
Shale Shells			320	375			
Coal			375	376	Gas	375	Show
Shale			376	498			
Sand			498	577			
Shale			577	595			
Lime			595	604			
Sand			604	700			
Lime & Shale			700	750			
Sand			750	820			
Slate			820	831			
Sand 3			831	844	Gas	834-835	show
Shale			844	892			
Red Rock			892	921			
Sand & Lime Shells			921	936			
Slate & Shells & Red Rock			936	1125			
Slate & Shells			1125	1145			
Little Lime			1145	1158			
Slate & Shells			1158	1182			
Blue Monday			1182	1187	Gas	1183	Show
Big Lime			1187	1255	Gas	1189	Show
Keener Sand			1255	1290			
Slate			1290	1294			
Jun Sand			1294	1360	Gas	1354	60/10ths-3/8" H2O

Formation	Color	Hard or Soft	Top $\zeta$	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Squaw Sand		✓	1360	1430			
Slate & Shells			1430	1470			
Lime			1470	1500			
Slate & Shells			1500	1555			
Lime			1555	1570	Gas	1563	Show
Sand-Broken			1570	1580			
Slate			1580	1586			
Gantz Sand ?		Beneq	1586	1600			
Slate & Shells			1600	1624			
Sand		Gantz	1624	1636			
Slate & Shells			1636	1651			
Sand		Gantz 50'	1651	1686			
Slate & Shells			1686	1696			
Sand		30'	1696	1788			
Slate			1788	1793			
Sand		G ST	1793	1821			
Red Rock & Lime			1821	1887			
Sand		GPRD	1887	1915			
Red Rock & Shells			1915	2010			
Shale & Shells			2010	2100			
Fifth Sand 4 <sup>th</sup>		5 <sup>th</sup>	2100	2138	Gas	2108	800,000 cf
Slate			2138	2146 TD			

Date 3/10, 1969

APPROVED Rockey Drilling Co., Owner

By A. J. Rockey (Title) OWNER



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

**RECEIVED**  
JUL 27 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Mt. Claire  
Permit No. Har-502-DD

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

Company Rockey Drilling Co.  
Address 16 Reger Ave., Buckhannon, W. Va.  
Farm Woodrow Stout Acres 38  
Location (waters) Stevens Run  
Well No. 2 Elev. 1110  
District Elk County Harrison  
The surface of tract is owned in fee by Woodrow & Dottie Stout  
Address Rt. 2; Lost Creek, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_

Drilling Commenced March 28, 1978  
Drilling Completed April 5, 1978  
Initial open flow 60,000 cu. ft. \_\_\_\_\_ bbls.  
Final production 175,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details: 500 gal. regular acid; 750 bbl. treated water; 30,000# 20-40 sand

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			325 Cu. ft. (Dowell record submitted)
Cond. 13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		4,132	
3			
2			
Liners Used			

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Benson Depth 4,086 ft.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Slate & shells			2146	4080		Original well drilled to and through the 5th. sand in 1969
Benson	Brown	Hard	4080	4115		Gas test 27. 10 X 2"
Slate & Shells			4115	4150		Total Depth 4150
<p>4150 2146 <u>2004</u> new footage</p>						

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAR 30 1978

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 March 27, 1978

Surface Owner Woodrow & Dottie Stout  
Address Rt. 2; Lost Creek, W. Va.  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Rockey Drilling Co.  
Address 16 Reger Ave. Buckhannon, W. Va.  
Farm Stout Acres 38 of 155  
Location (waters) Stevens Run  
Well No. 2 Elevation 1110  
District Elk County Harrison  
Quadrangle \_\_\_\_\_

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  
for deepening. This permit shall expire if  
operations have not commenced by July 30, 1978

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS 321 Beech St., Clarksburg, WV  
PHONE 622-3871

T. J. R. Raby  
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 July 3, 1967 by Woodrow & Dottie Stout made to Lock 3 Oil Coal & Dock Co. and recorded on the 20 day of July 1967 in Harrison County, Book 935 Page 546

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, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours, Rockey Drilling Co.  
(Sign Name) T. J. R. Raby  
Well Operator  
16 Reger Avenue  
Street  
Buckhannon (26201)  
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.

BOND DRILL

Har-502-DD PERMIT NUMBER

**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 Chisler Bros. NAME S. J. Rockey  
 ADDRESS Gore, W. Va. ADDRESS 16 Reger Ave. Buckhannon, W. Va.  
 TELEPHONE 879-5511 TELEPHONE 472-4333  
 ESTIMATED DEPTH OF COMPLETED WELL: 4,200 ft. ROTARY \_\_\_\_\_ CABLE TOOLS   
 PROPOSED GEOLOGICAL FORMATION: Benson Sand  
 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 (HILL UP OR SACKS - CUBIC FT)
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2		4,200 ft.	100 Sacks Cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ 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 \_\_\_\_\_ 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