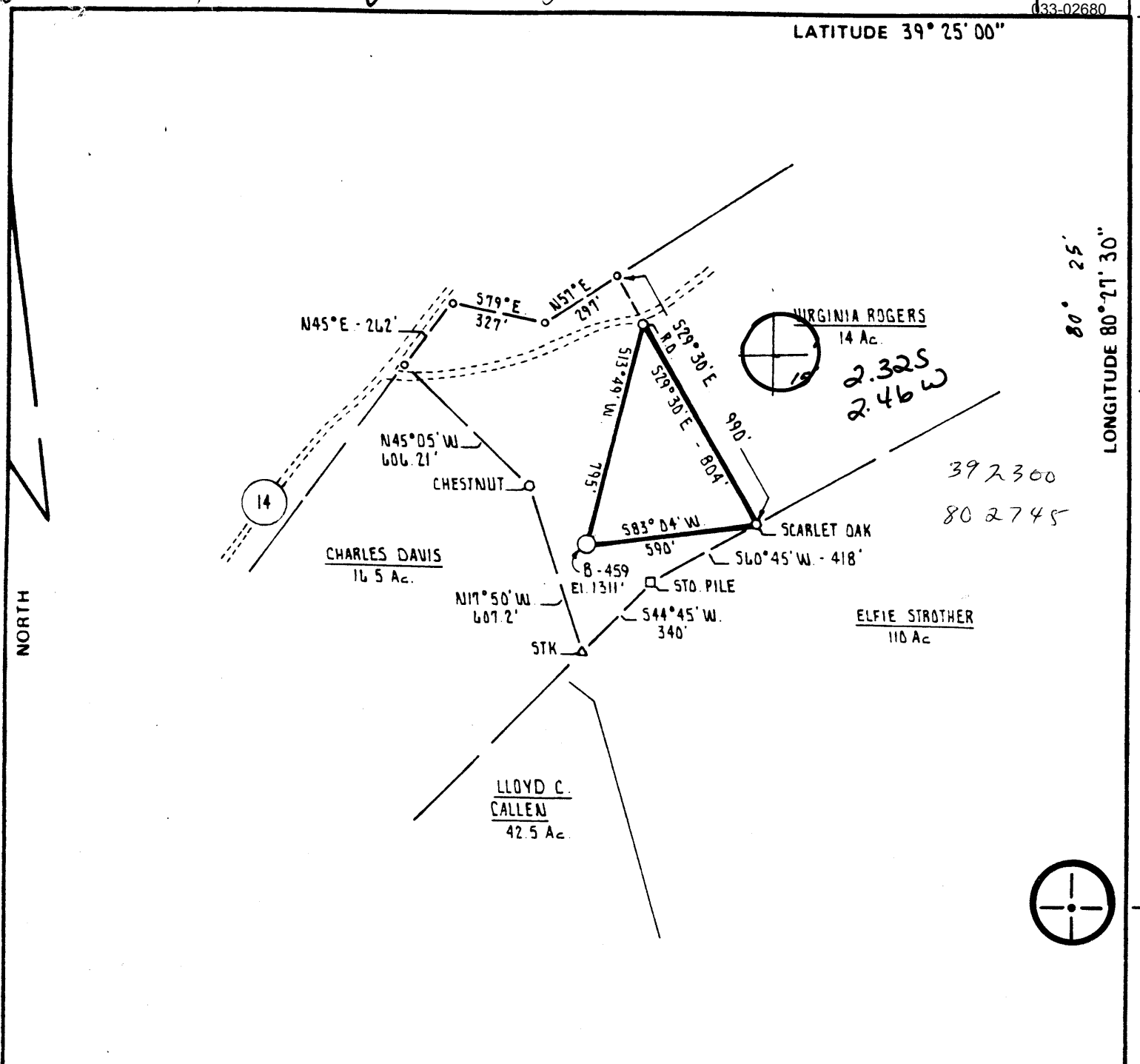


LATITUDE 39° 25' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INTERSECTION 20 and 20
 ELEV: 993'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Carl R. Main
 R.P.E. _____ L.L.S. 711

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE SEPTEMBER 21ST 19 81
 OPERATOR'S WELL NO. B-459
 API WELL NO. 47 - 033 - 2680
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION ELEVATION 1311' WATER SHED TENMILE CREEK
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WALLACE 7.5' Clarksburg 15' WC
 SURFACE OWNER E.E.S. ROGERS ESTATE ACREAGE 17 Ac.
 OIL & GAS ROYALTY OWNER GEORGE M. VINCENT, ET AL. LEASE ACREAGE 17 Ac.
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BROWN-LUMBERPORT

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 4800'
 WELL OPERATOR J. and J. ENTERPRISES, INC. DESIGNATED AGENT BERRY ENERGY CONSULTANTS AND MANAGERS, INC.
 ADDRESS BERRY ENERGY CONSULTANTS AND MANAGERS, INC. ADDRESS SUITE 309 PROFESSIONAL BUILDING CLARKSBURG, WEST VIRGINIA 26301



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SEP 29 1983

IV-35 (Rev 8-81)

Date December 11, 1981
Operator's Well No. B-459
Farm E.E.S. Rogers Estate
API No. 47 - 033 - 2680

State of West Virginia
OIL & GAS DIVISION DEPT. OF MINES
Department of Mines
Oil and Gas Division

Revised

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

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

LOCATION: Elevation: 1311' Watershed Tenmile Creek
District: Sardis County Harrison Quadrangle Wallace 7.5

COMPANY J & J Enterprise Inc. %
Berry Energy Consultants & Mgrs.
ADDRESS P.O. Box 5, Clarksburg, WVa. 26301
DESIGNATED AGENT Same
ADDRESS
SURFACE OWNER E.E.S. Rogers Heirs
ADDRESS Box 108 Lumberport WVa. 26386
MINERAL RIGHTS OWNER George M. Vincent et al
ADDRESS Rt. 1, Box 100A Lumberport, W.Va. 26386
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey, Rt. 2 ADDRESS Jane Lew, WVa. 26378
PERMIT ISSUED October 17, 1981
DRILLING COMMENCED 11-24-81
DRILLING COMPLETED 12-4-81

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include tubing sizes 20-16 11-5/4, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Benson Depth 4900 feet
Depth of completed well 4040 feet Rotary X / Cable Tools
Water strata depth: Fresh Damp @ 270' feet; Salt None feet
Coal seam depths: 270-273 & 680-685' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation BALLTOWN Pay zone depth 3898-3914' feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 231,000 Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 1575# psig (surface measurement) after 14 hours shut in
(If applicable due to multiple completion--)

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

Water Fraced: January 5, 1982

Balltown: 10,000, 80/100, 72,000, 20/40, 723 Bbls. water.

Perforations: 3898-3914 - 14 Holes, .41

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	12	
Sand			12	110	
Shale			110	150	
Sand			150	225	
Sandy Shale			225	270	
Coal			270	273	Hole Damp @ 270'
Sand			273	560	
Sand & Shale			560	680	
Coal			680	685	
Sand & Shale			685	1185	
Sand			1185	1270	
Sandy Shale			1270	1954	
Big Lime			1954	2048	Gas Ck @ 2010', 2/10 - 1" w/water
Sand			2048	2054	
Big Injun			2054	2096	Gas Ck @ 3701', 6/10 - 1" W/water
Sand & Shale			2096	2600	
Fifty Foot			2600	2650	
Sand			2650	2664	
Thirty Foot			2664	2682	
Shale			2682	2706	
Gordon Stray			2706	2720	
Sand			2720	2742	
Gordon			2742	2803	<i>revised stratigraphy</i>
Sand			2803	2812	
Fourth Sand			2812	2838	
Shale			2838	2884	
Fifth Sand			2884	2914	
Sand & Shale			2914	3605	
Speechly			3605	3610	
Sand & Shale			3610	3817	
Balltown			3817	3940	
Shale			3940	4040 TD	

(Attach separate sheets as necessary)

J. J. ENTERPRISES INC
Well Operator

By: W. B. [Signature]

Date: 6-16-82

9-19-83

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."

RECEIVED



IV-35
(Rev 8-81)

JUN 18 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date December 11, 1981
Operator's
Well No. B-459
Farm E.E.S. Rogers Estate
API No. 47 - 033 - 2680

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1311' Watershed Tenmile Creek
District: Sardis County Harrison Quadrangle Wallace 7.5

J & J Enterprise Inc. %
COMPANY Berry Energy Consultants & Mgrs.
ADDRESS P.O. Box 5, Clarksburg, WVa. 26301
DESIGNATED AGENT Same
ADDRESS
SURFACE OWNER E.E.S. Rogers Heirs
ADDRESS Box 108 Lumberport WVa. 26386
MINERAL RIGHTS OWNER George M. Vincent et al
Rt. 1, Box 100A
ADDRESS Lumberport, W.Va. 26386
OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Box 232-D
Casey, Rt. 2 ADDRESS Jane Lew, WVa. 26378
PERMIT ISSUED October 17, 1981
DRILLING COMMENCED 11-24-81
DRILLING COMPLETED 12-4-81

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size <u>20x16</u> <u>11-3/4</u> Cond.	Pulled		
<u>13-10"</u>			
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1266.60</u>	<u>1266.60</u>	<u>To Surface</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>4029.45</u>	<u>4029.45</u>	<u>200 Sks.</u>
<u>3</u>			
<u>2</u>			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Benson Depth 4900 feet
Depth of completed well 4040 feet Rotary X / Cable Tools
Water strata depth: Fresh Damp @ 270' feet; Salt None feet
Coal seam depths: 270-273 & 680-685' Is coal being mined in the area? No

OPEN FLOW DATA

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Gas: Initial open flow Trace Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 231,000 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 1575# psig (surface measurement) after 14 ^{DAYS} ~~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

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

Water Fraced: January 5, 1982

Balltown: 10,000, 80/100, 72,000, 20/40, 723 Bbls. water.

Perforations: 3898-3914 - 14 Holes, .41

WELL LOG

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					Including indication of all fresh and salt water, coal, oil and gas
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Sand			150	225	
Sandy Shale			225	270	
Coal			270	273	Hole Damp @ 270'
Sand			273	560	
Sand & Shale			560	680	
Coal			680	685	
Sand & Shale			685	1185	
Sand			1185	1270	
Sandy Shale			1270	1960	
Big Lime & Injun			1960	2015	Gas Ck @ 2010', 2/10 - 1" w/water
Sand & Shale			2015	2600	
Sand & Shale			2600	3818	Gas Ck @ 3701', 6/10 - 1" W/water
Shale			3818	3920	
<u>Balltown</u>			3920	4041	

(Attach separate sheets as necessary)

J. J. ENTERPRISES, INC
Well Operator

By: W. J. [Signature]

Date: 6-16-82

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 2 - 1981

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 E.E.S. Rogers Heirs
Address Box 108, Lumberport WVa. 26386
Mineral Owner George M Vincent et al
Address Rt. #1 Box 100A Lumberport WVa. 26386
Coal Owner Willis-Virginia Tetrick
Address Box 267 Clarksburg WVa. 26301
Coal Operator Not operated
Address _____

DATE September 24, 1981
Company J & J Enterprise Inc. % Berry Energy Consultants & Mgrs.
Address P.O. Box 5, Clarksburg WVa. 26301
Farm E.E.S. Rogers Estate Acres 17
Location (waters) Tenmile Creek
Well No. B-459 Elevation 1311'
District Sardis County Harrison
Quadrangle Wallace 7.5

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 6-17-82.

John B. Bennett
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Stephen Casey
Rt. 2, Box 232-D
ADDRESS Jane Lew, W.Va. 26378
PHONE 884-7470

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 7th 19 81 by George M Vincent & Mary Vincent his wife made to A L McQuaid DBA Appalachian Minerals Co. and recorded on the 17th day of July 19 81, in Harrison County, Book 1105 Page 411

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 same day 5 before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. J & J Enterprise Inc. %

Very truly yours, Berry Energy Consultants & Mgrs.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

(Sign Name) [Signature]
Well Operator
P.O. Box 5
Suite 309 Professional Bldg.
Street
Clarksburg
City or Town
West Virginia 26301
State

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

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.

BLANKET BOND

"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."

47-033-2686

PERMIT NUMBER

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: J & J Enterprise %
 NAME S.W. Jack Drilling Co. NAME Berry Energy Consultants & Mgrs.
 ADDRESS P.O. Box 48 Buckhannon W Va 26201 ADDRESS P.O. Box 5 Clarksburg W Va. 26301
 TELEPHONE 1-304-472-9403 TELEPHONE 1-304-622-3450
 ESTIMATED DEPTH OF COMPLETED WELL: 4900' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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			
XXXX 11-3/4	30'	30'	
8 - 5/8	1350'	1350'	To Surface
7			
5 1/2			
4 1/2	4900'	4900'	250 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 200' FEET _____ SALT WATER none FEET _____
 APPROXIMATE COAL DEPTHS No Coal
 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