

Minimum Error of Closure LESS THAN 1 IN 7,200

Source of Elevation U.S.G.S. BM #165 RHP ON PICKENPAW RUN ROAD

ELEVATION = 980 (979.89)

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: *C.D. Locke*
Squares N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

Company U.S. DEPARTMENT OF ENERGY
 Address P.O. BOX 880, MORGANTOWN, W.V. 26505
 Farm WALTER B. SMITH
 Tract _____ Acres 15 Lease No. _____
 Well (Farm) No. C-2 Serial No. _____
 Elevation (Spirit Level) 1051.23
 Quadrangle GLOYER GAP, W.V. (7.5') 11/11/15'
 County WETZEL District GRANT
 Surveyor C.D. LOCKE
 Surveyor's Registration No. 6981 O. & G.E.
 File No. _____ Drawing No. _____
 Date OCTOBER 24, 1980 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. 103-1204

Cancelled

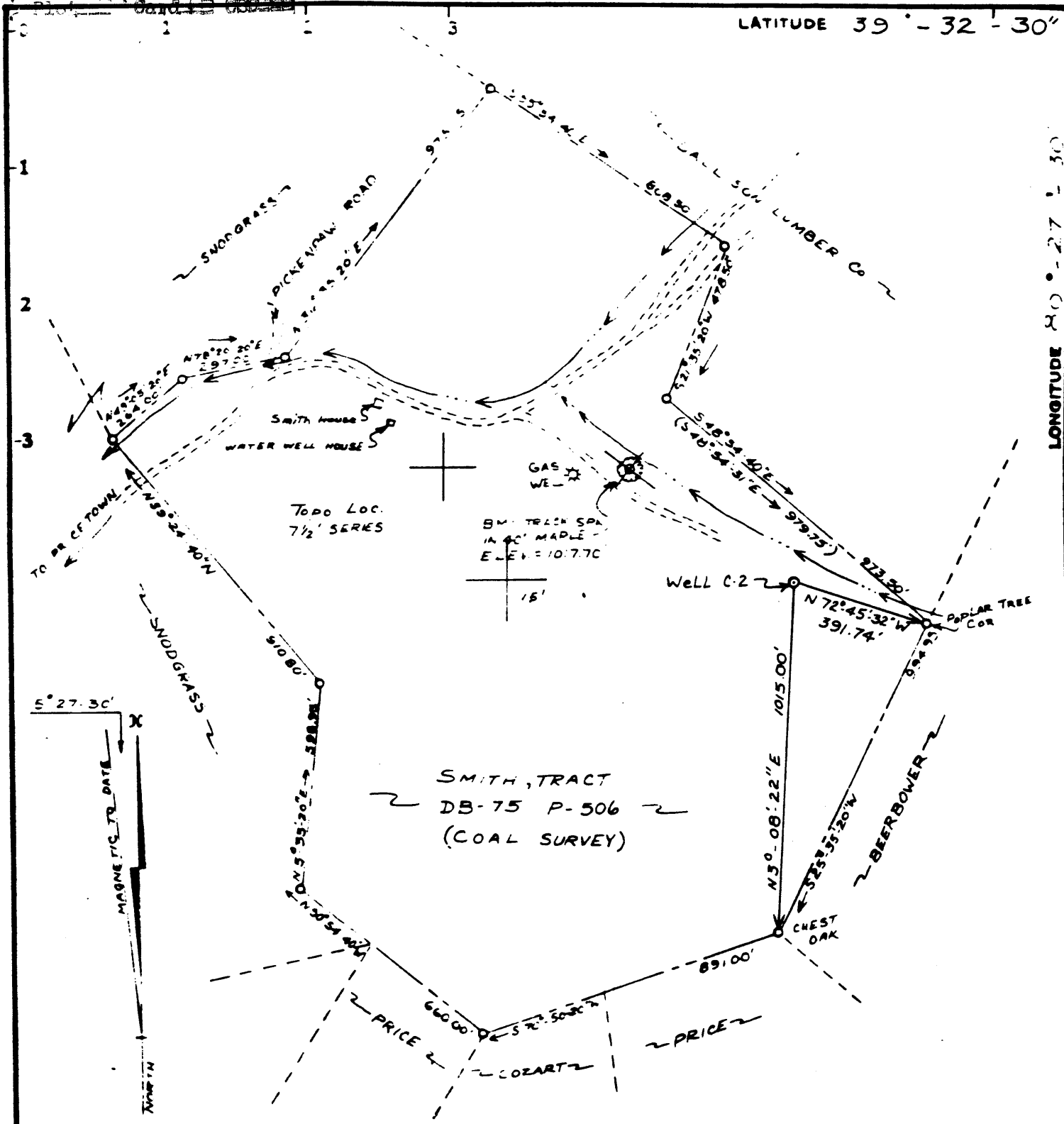
+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

APR 6 1982

LATITUDE 39° - 32' - 30"

LONGITUDE 80° - 27' - 30"



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Source of Elevation U.S.G.S. BM #165 RHP ON PICKENAW RUN ROAD

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- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: _____
Squares: N S E W

Map No. _____

Company U.S. DEPARTMENT OF ENERGY

Address P.O. BOX 880, MORGANTOWN, W.V. 26505

Farm WATER B. SMITH

Tract _____ Acres 35 Lease No. _____

Well (Farm) No. C-2 Serial No. _____

Elevation (Spirit Level) 1051.23

Quadrangle GLOVER GAP, W.V. (7.5')

County WEZEL District GRANT

Surveyor C.E. LOCKE

Surveyor's Registration No. 6981 D & G.E.

File No. _____ Drawing No. _____

Date OCTOBER 24, 1980 Scale 2 1/4" = 400'

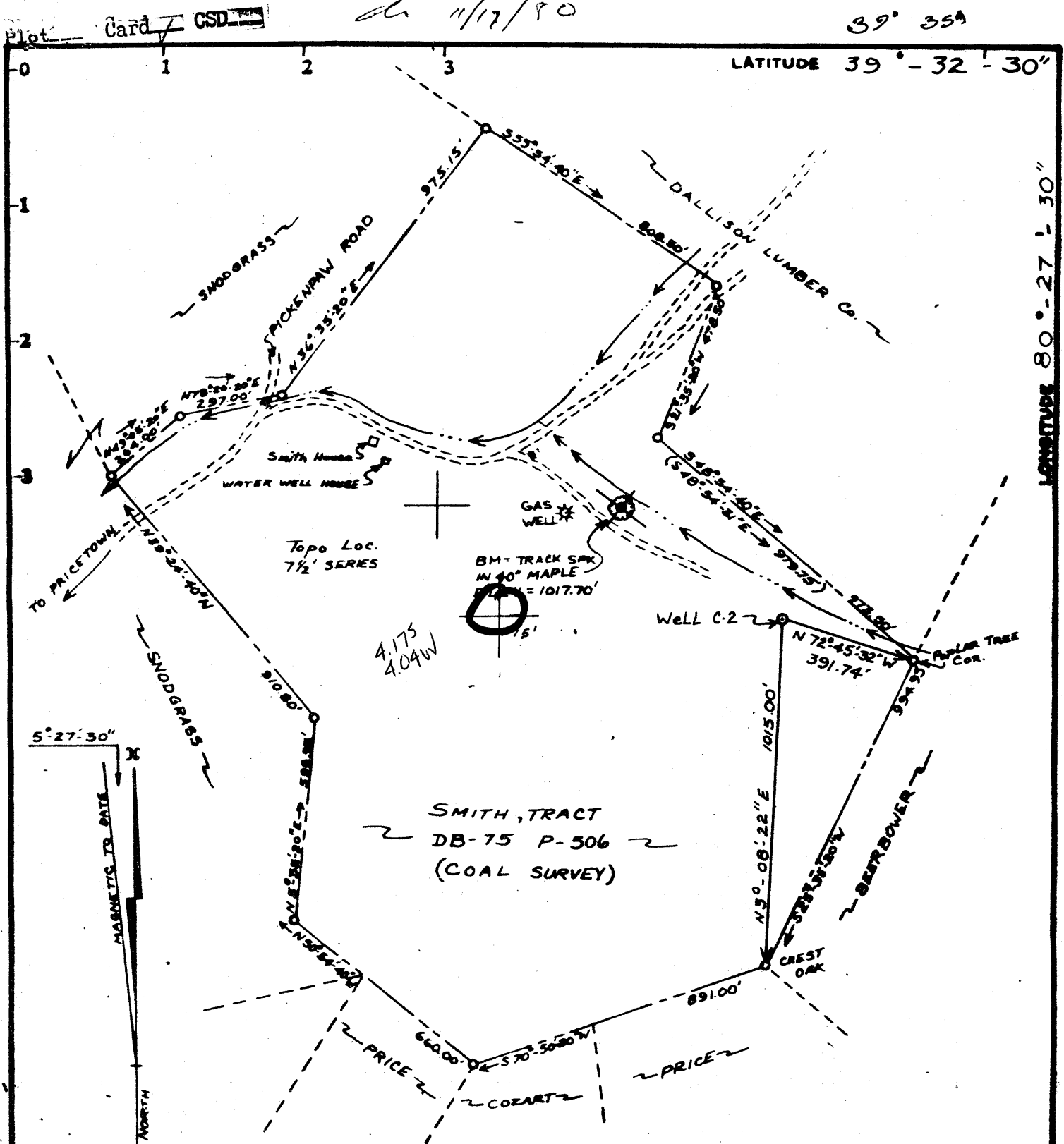
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. 103-1204

Cancelled
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Minimum Error of Closure LESS THAN 1 IN 7,209

Source of Elevation U.S.G.S. BM #165 RHP ON PICKENPAW RUN ROAD

ELEVATION = 980 (979.89)

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Signature: *C.D. Locke*
 Squires N S E W

Fracture
 New Location
 Drill Deeper
 Abandonment

Map No.

Company U.S. DEPARTMENT OF ENERGY
 Address P.O. BOX 800, MORGANTOWN, W.V. 26505
 Farm WALTER B. SMITH
 Tract _____ Acres 15 Lease No. _____
 Well (Farm) No. C-2 Serial No. _____
 Elevation (Spirit Level) 1051.23 *SW*
 Quadrangle GLOVER GAP, W.V. (7.5') *Morganston's*
 County WETZEL District GRANT
 Surveyor C.D. LOCKE
 Surveyor's Registration No. 6981 O. & G.E.
 File No. _____ Drawing No. _____
 Date OCTOBER 24, 1980 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. 103-1204

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 14 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPARTMENT OF MINES
OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 24, 1980

Surface Owner Mr. Walter B. Smith

Company U.S. Department of Energy

Address Smithfield, WV 26437

Address P.O. Box 880, Morgantown, WV 26505

Mineral Owner Mr. and Mrs. Rex Smith

Farm Walter B. Smith Acres 15

Address Smithfield, WV 26437

Location (waters) Pickenpaw Run

Coal Owner Consolidation Coal Co., Northern

Well No. Smith-DOE-C-2 Elevation 1051.23

Address West Virginia Region
P.O. Box 1314, Morgantown, WV 26505

District Grant County Wetzel

Coal Operator _____

Quadrangle Glover Gap (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 7-24-81

Phil Tracy (758-4573)

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for ~~research purposes~~ research purposes
title thereto, (or as the case may be) under cooperative agreement dated 14 June 1974 by Consolidation
Continental Oil Co. made to The U.S. of America and recorded on the Fourth day of March
19 77 in Wetzel County, Book Miscellaneous #45 Page 173

XXX 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,
(Sign Name) _____
Well Operator

Address of Well Operator _____
Street Morgantown Energy Technology Center
P.O. Box 880, Morgantown
City or Town _____
West Virginia 26505
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.

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

PROPOSED WORK ORDER TO xxx DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Henry Y. Hall Drilling and Dozer Services NAME J. W. Martin
 ADDRESS Glendon, WV 26626 ADDRESS P.O. Box 880, Morgantown, WV 26505
 TELEPHONE 304/364-5652 TELEPHONE 304/599-7447
 ESTIMATED DEPTH OF COMPLETED WELL: 915 feet ROTARY x CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh Coal
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER x

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			
<u>7</u>	200 feet	200 feet	Surface to 200 feet
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 900 feet
 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 Consolidation 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 Consolidation 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.

Donald E. Berr
 For Coal Company
Steven Murray
 Official Title