

Minimum Error of Closure 1 in 200'
 Source of Elevation Elev. Well No. 1 (shown) '963'

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment..... 11/22/76

Signed: W. Stoeber
 Squares: N S E W

Company Prior Oil Co.
 Address Union Trust Bldg. Parkersburg
 Farm W. E. Cole
 Tract _____ Acres 93 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 902
 Quadrangle Helbrook NE
 County Doddridge District Cove
 Engineer W. Stoeber
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 21, 1974 Scale 1" = 20p = 330'

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

WELL LOCATION MAP

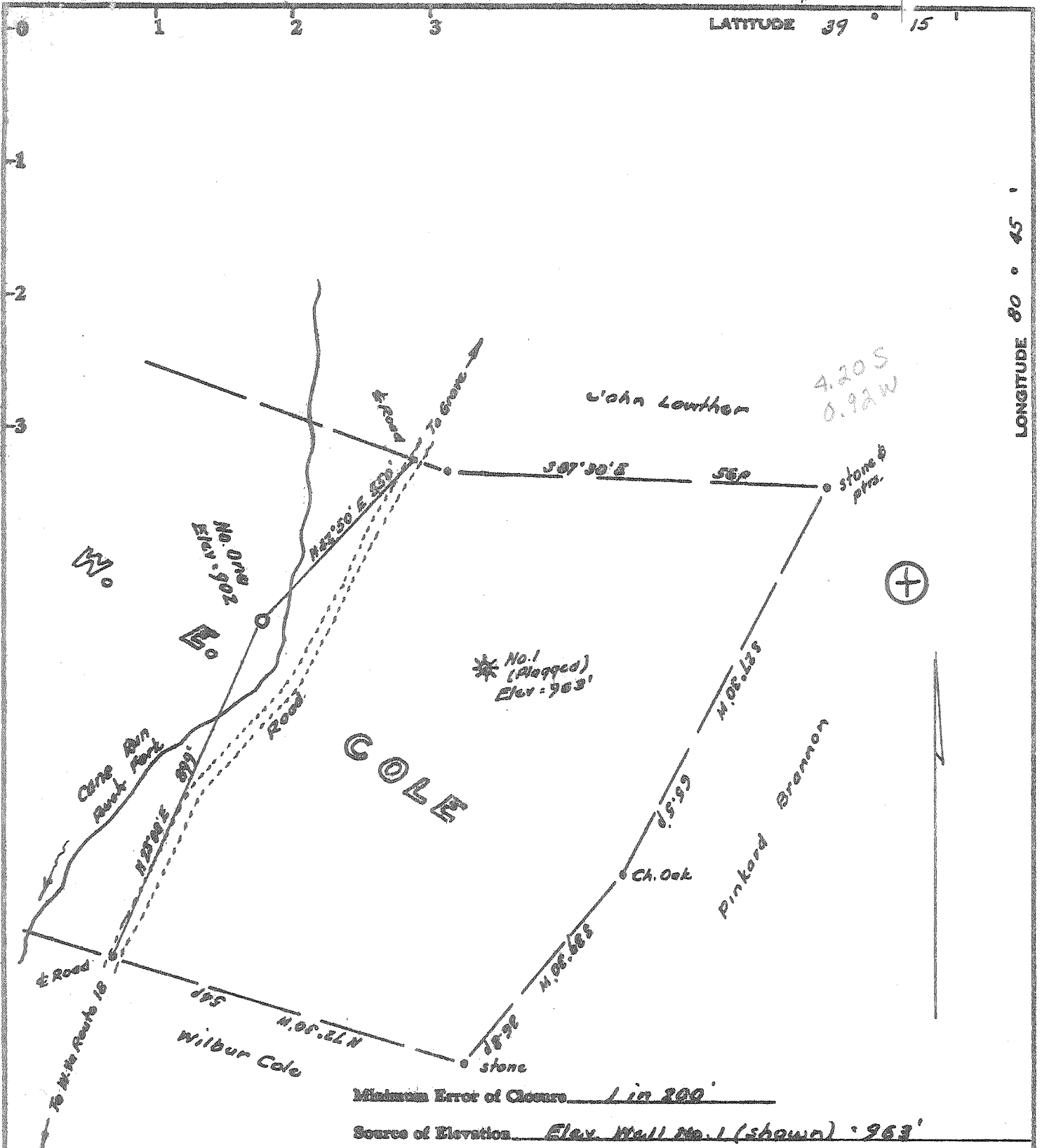
FILE NO. Wadd-1767-F

+ 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.

47-017 DEC 13 1976

3/21/1968



LATITUDE 39° 15'

LONGITUDE 80° 45'

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Well No. 1 (shown) 963'

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- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: *Walter F. [Signature]*
 Squares: N S E W

Company	<u>Prior Oil Co.</u>
Address	<u>Union Trust Bldg Parkersburg</u>
Farm	<u>W. E. Cole</u>
Tract	<u>Acres 92</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>963</u>
Quadrangle	<u>Halbrook</u> <u>NE</u>
County	<u>Roddridge</u> District <u>Cause</u>
Engineer	<u><i>Walter F. [Signature]</i></u>
Engineer's Registration No.	<u>1227</u>
File No.	<u> </u> Drawing No. _____
Date	<u>March 21, 1968</u> Scale <u>1" = 200' = 220'</u>

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

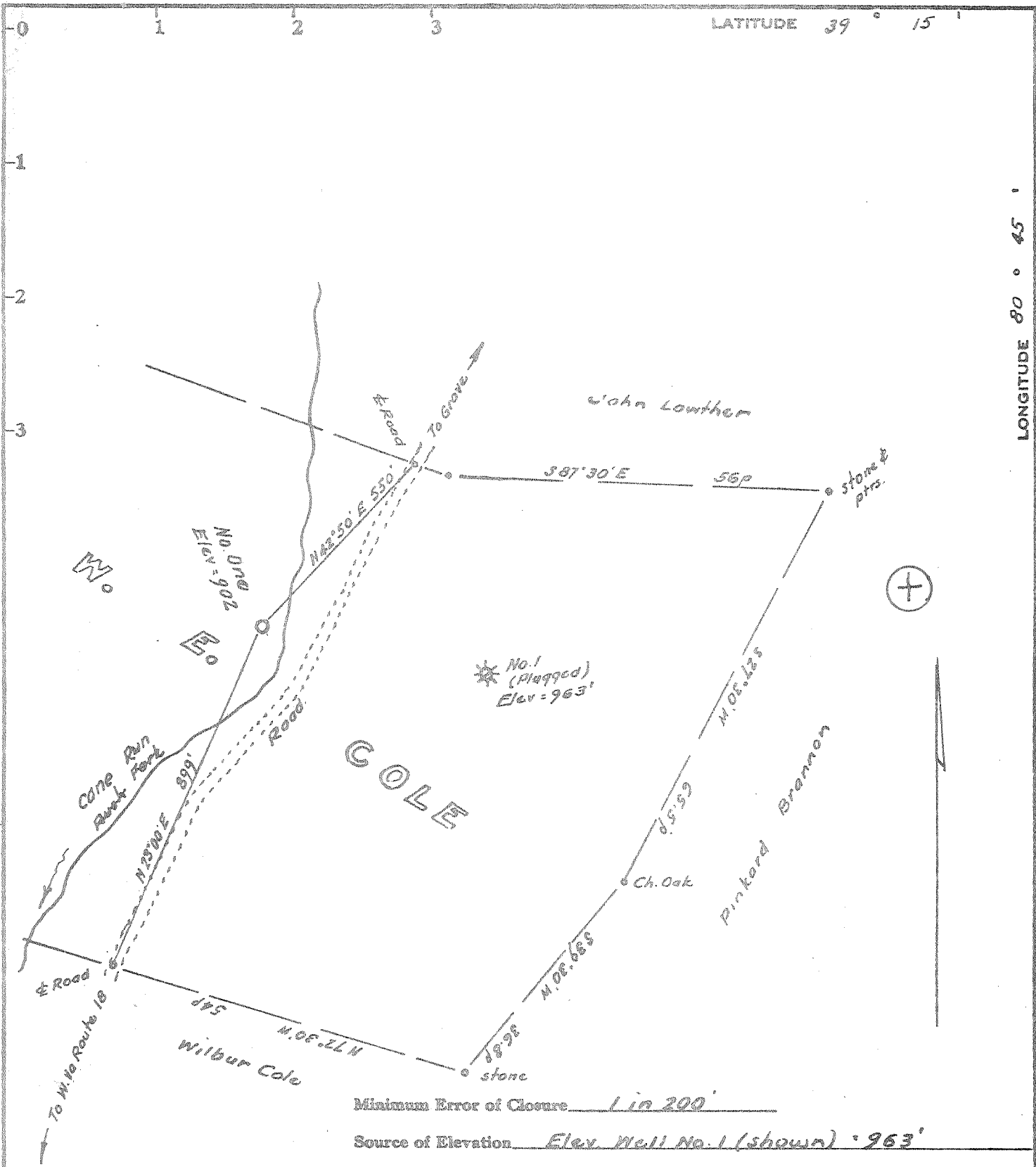
WELL LOCATION MAP

FILE NO. Dodd-1767

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

47-017



Minimum Error of Closure 1 in 200
 Source of Elevation Elev. Well No. 1 (shown) 963'

- Fracture
- New Location
- Drill Deeper
- Abandonment ~~H/22776~~

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: W. E. Cole
 Squares: N S E W

Company Prior Oil Co.
 Address Union Trust Bldg Parkersburg
 Farm W. E. Cole
 Tract _____ Acres 93 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 902
 Quadrangle Helbrook NE
 County Doddridge District Cove
 Engineer W. E. Cole
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 21, 1974 Scale 1" = 20p = 330'

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

WELL LOCATION MAP

FILE NO. Wadd-1767A
 PLUGGING CANCELED

+ 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.
 JUL 19 1978

- Denotes one inch spaces on border line of original tracing.
47-017



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

Rotary
Spudder
Cable Tools
Storage COMB.
Oil or Gas Well (KIND)

HOLBROOK

Quadrangle

Permit No. DOD-1767

WELL RECORD I

Company PRIOR OIL COMPANY
Address P. O. BOX 1486 PARKERSBURG, W. VA.
Farm W. E. COLE Acres 93
Location (waters) RUSH FORK
Well No. ONE (1) Elev. _____
District COVE County DODDRIDAGE
The surface of tract is owned in fee by W. E. COLE HEIRS
Address SALEM, W. VA.
Mineral rights are owned by SAME
Address _____
Drilling commenced MARCH 23, 1974
Drilling completed MARCH 30, 1974
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	240	240	Size of
8 1/4			
6 3/4			Depth set
5 3/16			
4 1/2	2690	2690	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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) ENCLOSED

Attach copy of cementing record.
CASING CEMENTED 4 1/2 SIZE 2690 No. Ft. 3/30/74 Date
Amount of cement used (bags) COPY ENCLOSED
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.) _____
ROCK PRESSURE AFTER TREATMENT 640 HOURS 24
Fresh Water 35 Feet _____ Salt Water _____ Feet _____
Producing Sand INJUN-BEREA-GORDON Depth 1972-1970

500 MCF 5BBLs. OIL

Berea 2240-51
Gordon 2596-2612

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
SOIL			0	5			
SAND			5	15			
SLATE & SHELLS			15	130			
SAND			130	155			
RED ROCK			155	190			
SLATE & SHELLS			190	370			
SAND			370	415			
RED ROCK			415	465			
SAND			465	485			
SLATE & SHELLS			485	780			
RED ROCK			780	830			
SAND			830	865			
SLATE & SHELLS			865	950			
SAND-LIME			950	1010			
SLATE & SHELLS			1010	1090			
SAND			1090	1175			
SLATE			1175	1210			
SAND			1210	1270			
SLATE			1270	1380			
SANDY-LIME			1380	1460			
SAND			1460	1495			
SANDY-LIME			1495	1535			
SAND			1535	1545			
RED ROCK			1545	1565			
SANDY-LIME			1565	1745			
LIME			1745	1780			
SLATE			1780	1815			
LIME			1815	1872			
INJUN SAND			1872	1960			
SHALE			1960	2040			

TD 2690

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
WEIR SAND			2040	2190		
SHALE			2190	2240		
BEREA SAND			2240	2251		
SLATE & SHELLS			2251	2446		
SAND			2446	2452		
SLATE			2452	2455		
SAND			2455	2462		
SHALE			2462	2532		
SANDY-LIME			2532	2596		
SAND			2596	2612		
SLATE & SHELLS			2612	2687		

T.D.

Date 9/20 1975

APPROVED Carl J. Hummer, Owner

By _____ (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR 22 1974

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

March 21, 1974

Charleston, W. Va.
W. E. Cole

DATE Prior Oil Co.

Surface Owner Box 50, Salem, W.Va. 26426

Company Box 1486, Parkersburg

Address W. E. Cole

Address W. E. Cole

Mineral Owner Same

Farm Cane Run ~~Rush Fork~~ S. H. Hughes ⁹³ River Acres

Address W. E. Cole

Location (waters) 1 902

Coal Owner Same

Well No. Cove Elevation Doddridge

Address _____

District Holtrock County _____

Coal Operator _____

Quadrangle _____

Address _____

INSPECTOR TO BE NOTIFIED

Clarkburg PH: 022-3871

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 7-22-74

Robert H. Cole

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 September 6, 73 by W. E. Cole 9th Nov. 73 Doddridge made to Prior Oil Co. 97 and recorded on the 699 day of 73 in Doddridge County, Book _____ Page _____

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) Herbert Brown

P. O. Box 1486

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address of Well Operator

Parkersburg

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.

BLANKET BOND

Dodd-1769 PERMIT NUMBER
47-017

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glenn L. Haught & Sons NAME Warren Haught
 ADDRESS Smithville, West Virginia ADDRESS Smithville, West Virginia
 TELEPHONE 477-2222 TELEPHONE 477-2222
 ESTIMATED DEPTH OF COMPLETED WELL: 2650 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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	20		
9 - 5/8			
8 - 5/8	140	140	To Surface
7			
5 1/2			
4 1/2		2650	125 S.K.S.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET None SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None, _____
 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