

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

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.

Minimum degree of accuracy is one part in 200

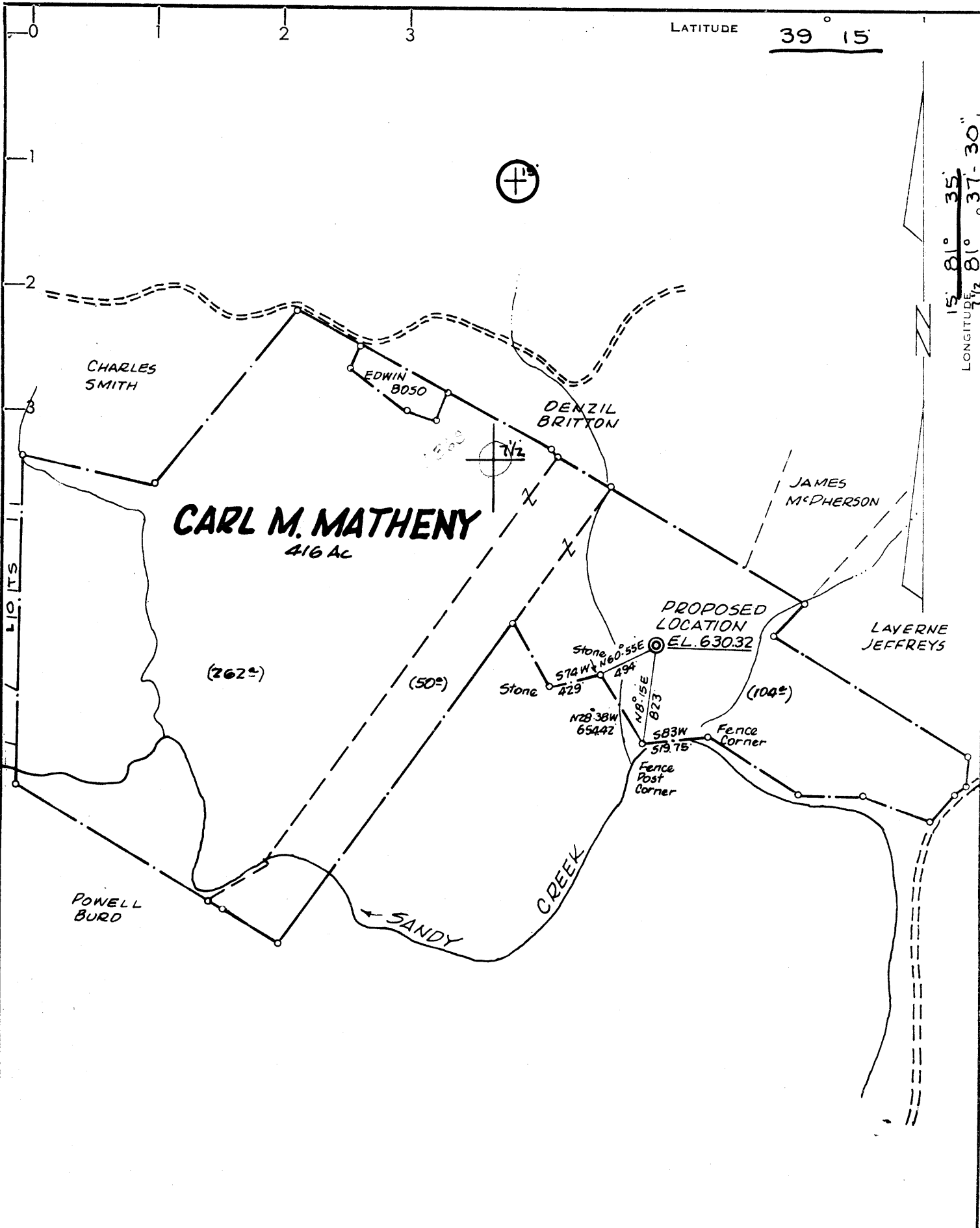
Frank H. Barker LLS #289

COMPANY: E. I. DUPONT DE NEMOURS & COMPANY
 ADDRESS: P.O. BOX 1217 PARKERSBURG, W. VA
 FARM: CARL M. MATHENY
 MAP: 416
 WELL FARM NO: 1
 SERIAL NO: 63032
 ELEVATION: 630.32
 QUADRANGLE: LUBECK 75 BELLEVILLE 10 NC
 COUNTY: HOOD
 POINT OF INTERSECTION: 1540 EL. 642 ROAD INTERSECTION
 ON RT. 2 1200 EAST OF FARM
 DATE: 8-28-1980
 SCALE: 1000 FT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 107-1052-2
 FILE NO: 107-1052-2
 FORMERLY: 107-0852
 AUG 28 1980

DEEPWELL

6-4 WASHINGTON BOTTOM 4400 ORISKANY 357



LATITUDE 39° 15'

LONGITUDE 77° 51' 35"
77° 51' 30"

110 FT

- NEW LOCATION
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"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."

Minimum degree of accuracy is one part in 200

Signed Frank H. Barker LLS #289

COMPANY E. I. DUPONT DE NEMOURS & COMPANY
 ADDRESS P.O. BOX 1217 PARKERSBURG, W. VA
 FARM CARL M. MATHENY
 MAP ACRES 416 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 630.32
 QUADRANGLE LUBECK 7 1/2 BELLEVILLE 15' NC
 COUNTY WOOD DISTRICT LUBECK
 POINT OF PROVEN ELEVATION USGS EL. 642 ROAD INTERSECTION
ON RT 2 1200 EAST OF FARM
 FILE NO. _____ DRAWING NO. _____
 DATE APRIL 15, 1978 SCALE 1" = 1000 FT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 WVS: W00-852
 FILE NO. 1052 SEP 11 1978
 + 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. 24,000 **47-107**
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 14 1980

**Oil and Gas Division
WELL RECORD**

COAL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Lubeck 7 1/2

Permit No. 47-107-1052

Company E.I. duPont de Nemours & Co., Inc.
Address P.O. Box 1217, Parkersburg, WV 26101
Farm Carl M. & Hilda A. Matheny 416

Location (waters) Sandy Creek
Well No. 1 (G-14) Elev. 630.32
District Lubeck County Wood

The surface of tract is owned in fee by _____
Carl Matheny

Address Rt. 1, Washington, WV 26181

Mineral rights are owned by Same

Address _____

Drilling Commenced 9-22-80

Drilling Completed 10-2-80

Initial open flow 275,000 cu. ft. -- bbls.

Final production 275,000 cu. ft. per day -- bbls.

Well open 4 hrs. before test 1550 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond. 13-1/2 11-3/4	120 KB	120 KB	Circulated to surface.
9 5/8			
8 5/8	2016 KB	2016 KB	Circulated to surface.
7			
5 1/2	4220 KB	4220 KB	Est. top cement @ 3920.
4 1/2			
3			
2	4221	4221	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well not treated. Well may be fractured at later date.

Coal was encountered at None reported Feet _____ Inches _____
Fresh water None reported Feet _____ Salt Water None reported Feet _____
Producing Sand Oriskany Depth 4240 KB (KB 12' above ground)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface, silt			0	20		
Sandstone			20	100		
Shale, stringers			100	300		
Sandstone			300	360		
Shale, silt			360	778		
Sandstone			778	810		
Shale			810	880		
Sandstone			880	940		
Shale, silt			940	1060		
Sandstone			1060	1150		
Shale, silt			1150	1400		
Sandstone			1400	1550		
Shale			1550	1888		
Sandstone			1888	1901	Berea	
Shale and siltstone			1901	4222		
Lime and chert			4222	4240		
Sandstone <u>ORISK. ?</u>			4240	4246	4246 T.D. (KB)	

(over)

* Indicates Electric Log tops in the remarks section.

DEC 5 1980



RECEIVED
AUG 2 1978

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STATE OF WEST VIRGINIA OIL & GAS DIVISION
DEPARTMENT OF MINES OF MINES AUG 16 1978

Oil and Gas Division

W. VA. OIL & GAS
CONSERVATION COMMISSION

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE

Surface Owner Carl M. & Hilda A. Matheny

Company E.I. du Pont de Nemours & Co., Inc.

Address Route 1, Washington WV 26181

Address P.O. Box 1217, Parkersburg, WV 26101

Mineral Owner Same

Farm Carl M. Matheny Acres 416

Address

Location (waters) Sandy Creek

Coal Owner None

Well No. 1 Elevation 630.32 ft

Address

District Lubeck County Wood

Coal Operator None

Quadrangle Lubeck

Address

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 12-23-78

INSPECTOR

TO BE NOTIFIED Paul Goodnight

ADDRESS

Smithville, W. Va.

PHONE 477-3660

Robert F. Sieber
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 February 8 1978 by Carl M. & Hilda A. Matheny made to E. I. du Pont de Nemours & Co. and recorded on the 21st day of April 1976 in Wood County, Book 702 Page 335

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
THIS 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:

Very truly yours,

(Sign Name)

Ralph E. Sieber

Well Operator Ralph E. Sieber

P. O. Box 1217

Street

Parkersburg

City or Town

West Virginia 26101

State

Address
of
Well Operator

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

*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

WOO-852

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12.5 and will carry out the specified requirements."

47-107

Signed by

Ralph E. Sieber

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: _____
 NAME Unknown _____ NAME Ralph E. Sieber _____
 ADDRESS _____ ADDRESS P.O. Box 1217, Parkersburg, WY 26101
 TELEPHONE _____ TELEPHONE (304) 863-2000 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 _____ ROTARY X _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany _____
 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	150'	150'	100 Sx
9 - 5/8			
8 - 5/8	2200'	2200'	500 Sx
7			
5 1/2	4500'	4400'	300 Sx Fill Up
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 28, 1980

Surface Owner Carl M. & Hilda A. Matheny

Company E. I. du Pont de Nemours & Co., Inc.

Address Route 1, Washington, WV 26181

Address P. O. Box 1217, Parkersburg, WV 26101

Mineral Owner Same

Farm Carl M. Matheny Acres 416

Address _____

Location (waters) Sandy Creek

Coal Owner None

Well No. 1 Elevation 630.32 ft

Address _____

District Lubeck County Wood

Coal Operator _____

Quadrangle Lubeck

Address None

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All conditions 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 4-14-81.

Thomas E. Huggins
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED P. Goodnight
ADDRESS Smithville, W.Va.
PHONE 477-3660

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 February 8 1978 by Carl M. & Hilda A. Matheny made to E. I. du Pont de Nemours & Co. and recorded on the 13 day of April 1976 in Wood County, Book 702 Page 335

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,
(Sign Name) Ralph E. Sieber
Well Operator Ralph E. Sieber

P. O. Box 1217 Street
Parkersburg City or Town
West Virginia State 26101

*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.

47-107-1052 PERMIT NUMBER

"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."

Signed by Ralph E. Sieber

BLANKET BOND
Sarvey

**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:
 NAME UNKNOWN NAME Ralph E. Sieber
 ADDRESS _____ ADDRESS P. O. Box 1217, Parkersburg, WV 26101
 TELEPHONE _____ TELEPHONE (304) 863-2189
 ESTIMATED DEPTH OF COMPLETED WELL: 4400 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 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	<u>420</u> 150 ft.	<u>420</u> 150 ft.	100 Sx.
9 - 5/8			
8 - 5/8	2000 ft.	2000 ft.	500 Sx.
7			
5 1/2	4400 ft.	4400 ft.	300 ft. Fill up
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ 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.

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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.

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For Coal Company

Official Title