

New Location Minimum Error of Closure ONE PART IN 200
 Drill Deeper 6/18/79 Source of Elevation USGS. E.I. 1058. TOP OF KNOB. N.W. OF LOC.
 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company BURDETTE OIL & GAS CO. INC.
 Address PO BOX 10167 STATION C CHARLESTON W.V.A.
 Farm WALDO WAGNER
 Acres 75 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 809.0 EC
 Quadrangle BENS RUN WVA - OHIO 7.5
 County PLEASANTS District UNION
 Surveyor C. S. Sallee Jr.
 Surveyor's Registration No. LLS 92
 File No. B42 P29 Drawing No. _____
 Date 4-20-79 Scale 1" = 500'

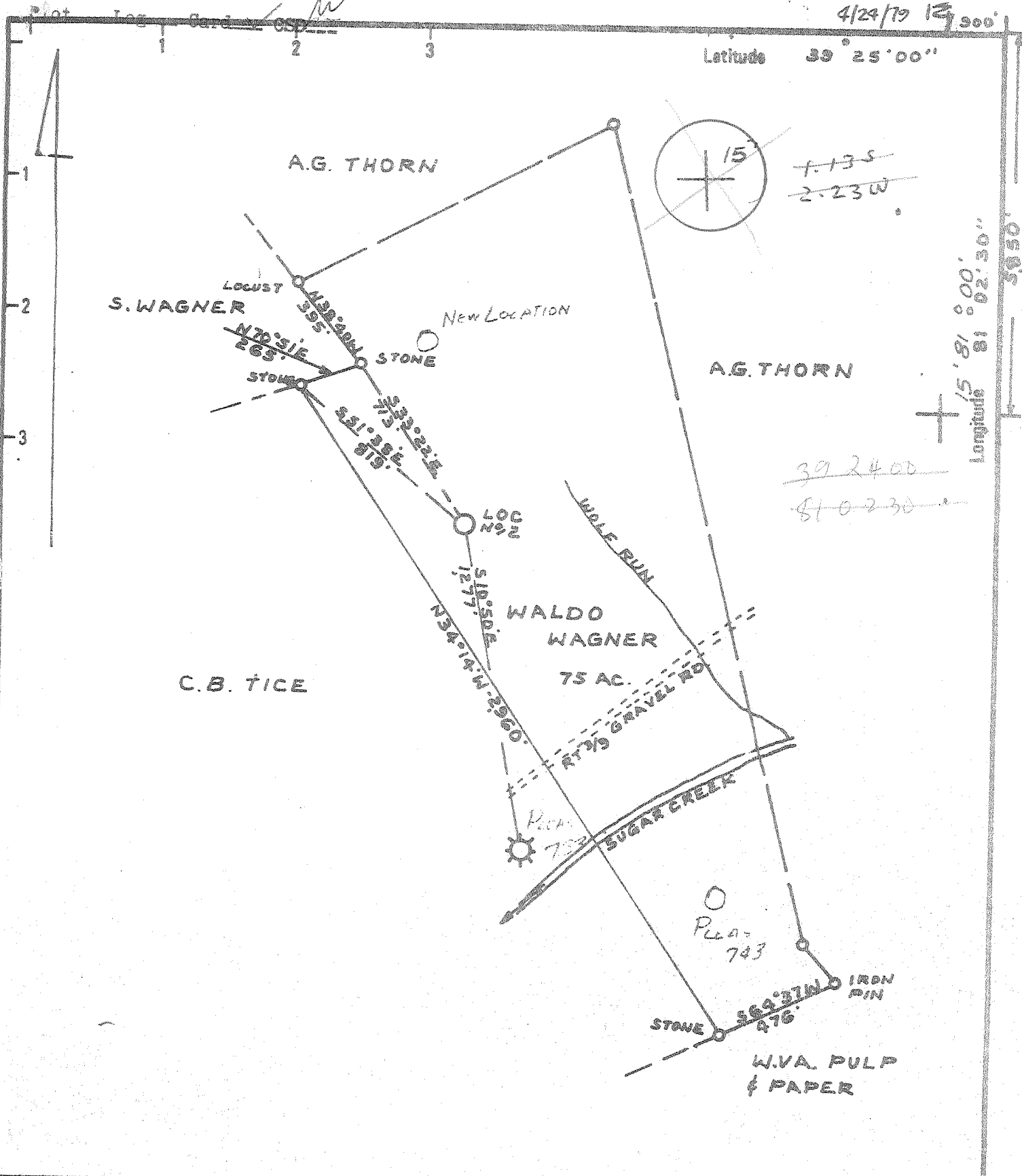
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 47-073-0747-D0

+ 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.

JUN 26 1979

2,700' (Bench) 3-3 Deep Well Shiloh-wick (86)



New Location

Drill Deeper

Abandonment

Minimum Error of Closure **ONE PART IN 200**

Source of Elevation **USGS. E.I. 1052 TOP OF KNOB NW. OF LOC.**

"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."

Company **BURDETTE OIL & GAS CO. INC.**
 PO BOX 10167 STATION C
 Address **CHARLESTON, WVA**

Farm **WALDO WAGNER**

Tract _____ Acres **75** Lease No. _____

Well (Farm) No. **2** Serial No. _____

Elevation (Spirit Level) **809.0** *St Marys EC*

Quadrangle **BENS RUN WVA - OHIO 7.5'**

County **PLEASANTS** District **UNION**

Surveyor **C. S. Galloway Jr.**

Engineer's Registration No. **LLS 92**

File No. **B42 P29** Drawing No. _____

Date **4-20-79** Scale **1" = 500'**

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

WELL LOCATION MAP
 FILE NO. **47-073-0747**

+ 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.

MAY 8 1979

3-3 2,700' Gordon ~~REDACTED~~ (86) 8X



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Bens Run
Permit No. 47-073-0747-DD

Company Burdette Oil & Gas Co., Inc.
Address P. O. Box 10167 Sta. "C" Charleston, WY 25312
Farm Waldo Wagner Acres 75
Location (waters) Sugar Creek
Well No. 2 Elev. 809.0
District Union & Lafayette County Pleasants
The surface of tract is owned in fee by Wagner heirs
Address _____
Mineral rights are owned by Wagner heirs
Address _____
Drilling Commenced 6-18-79
Drilling Completed 6-25-79
Initial open flow 150,000 cu. ft. _____ bbls.
Final production 110,000 cu. ft. per day _____ bbls.
Well open _____ hrs. before test 18 1/2 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			Cemented to Surface
Cond. 13-10"			
9 5/8			
8 5/8	250'	250'	
7			
5 1/2			
4 1/2			
3			
2 7/8"	6200'	6200'	
Liners Used			

Well treatment details: Attach copy of cementing record.
500 Gals. of 28% HCL Acid ahead of Hydraulic Water Fracture.
1000 bbls. of water, 40,000 lbs. - 80/100 Mesh Sand, 20,000 lbs. of
20 / 40 Mesh Sand.

200,000 cu. ft. of Nitrogen 100 MCF

Coal was encountered at _____ Feet _____ Inches
Fresh water 35 Feet _____ Salt Water 1400 Feet _____
Producing Sand Oriskany Depth 6105 - 6165

Formation	Color	Hard or Soft	Top Feet	Bottom Feet
Clay	Yellow	Soft	0	30
Sandstone	Gray	Hard	30	60
Shale	Gray	Soft	60	188
Shale	Red	Soft	188	226
Sandstone	Gray	Hard	226	285
Sand/Shale	Gray	Soft	285	590
Cow Run			590	980
1st Salt Sand			1040	1110
2nd Salt Sand			1146	1218
3rd Salt Sand			1264	1292
Maxon			1402	1438
Big Lime			1469	1552
Keener			1596	1632
Injun			1643	1708
Squaw /			1719	1740
Welch Stray			1965	1987
Berea			2022	2040
Gordon Stray			2450	2485
Gordon Stray			2502	2518
Gordon			2654	2662
Devonian Shale			2662	6090
Corniferous Lime			6090	6105
Oriskany			6105	6165

RECEIVED
JUN 22 1981

OIL & GAS DIVISION
DEPT. OF MINES

~~6165~~
~~980~~
~~5185~~ E I P L F T
6208
2662
3646 exp fig

Little show of gas

JUN 31 1981

Natural Show of gas

Michael A. Burdette



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

APR 24 1979

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

April 24, 1979

Surface Owner Waldo Wagner
Address Bens Run, W.Va.
Mineral Owner Same
Address _____
Coal Owner _____
Address _____
Coal Operator _____
Address _____

DATE _____
Company Burdette Oil & Gas Co.
Address P. O. Box 10107, Station "C"
Farm Waldo Wagner Acres 75
Location (waters) Sugar Creek
Well No. 82 Elevation 889.0'
District Union County Pleasants
Quadrangle Bens Run - 7 1/2'

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 12-25-79.

Deputy Director - Oil & Gas Division

Phil Tracy

INSPECTOR TO BE NOTIFIED _____
PH: 758-4573 ADDRESS Middlebourn, W. Va.

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 April 4, 1979 by Waldo Wagner made to Burdette Oil & Gas Co., Inc. and recorded on the 6th day of April 1979, in Pleasants County, Book 4547 Page 1210

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, W. Va. 26505

Very truly yours,

(Sign Name) Z. C. Burdette
Well Operator
P. O. Box 10107, Station "C"
Charleston, W.Va. 25312

Address
of
Well Operator

Street

City or Town

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.

47-073-0747

PERMIT NUMBER

BLANKET BOND

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 Clint Hurt & Associates NAME L. G. Burdette
 ADDRESS _____ ADDRESS 5121 Big Tyler Road
 TELEPHONE 344-2401 TELEPHONE 776-3767
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon(?)
 TYPE OF WELL: OIL X 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			
9 - 5/8			
8 - 5/8 8-5/8"	200'	200'	25 sacks <i>J. Surjan</i>
7			
5 1/2			
4 1/2			
3 2-7/8"	2700'	2700'	Perf. Top 100 sacks
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? _____ 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 JUNE 18, 1979

Surface Owner WALDO WAGNER
Address BENS RUNS WV.

Company Burdette Oil & Gas Co.
Address PO BOX 10167, ST. C. CHAS WV.

Mineral Owner " " "
Address _____

Farm WALDO WAGNER Acres 75
Location (waters) SUGAR CR

Coal Owner " " "
Address _____

Well No. #2 Elevation 809.0

Coal Operator " " "
Address _____

District UNION County PLEAS.
Quadrangle BENS RUN 7 1/2

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 deepening. This permit shall expire if operations have not commenced by 2-18-80.

INSPECTOR TO BE NOTIFIED PHILIP TRACY
ADDRESS MIDDLEBORNE WV
PHONE 758-4573

Robert L. Bell
GENTLEMAN, Director - Oil & Gas Division

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 Apr 9 1979 by WALDO WAGNER made to Burdette Oil & Gas and recorded on the 6th day of April 1979, in PLEASANTS County, Book 547 Page 710

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

Street

City or Town

State

Very truly yours,
(Sign Name) J. H. Burdette
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.

47-073-0747-DD 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 _____

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 CLINT HURT _____ NAME LG. BURDETTE _____
 ADDRESS _____ ADDRESS 5121 BIG TYLER RD _____
 TELEPHONE _____ TELEPHONE 776-3767 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 6200 _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: ORISKANY _____
 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 FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	900' 900'	200' 900'	TO SURFACE
7			
5 1/2			
4 1/2	?	?	
3			Perf. Top
2			Perf. Bottom
Liners	:	.	Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS NONE _____
 IS COAL BEING MINED IN THE AREA? _____ 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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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.

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For Coal Company

Official Title