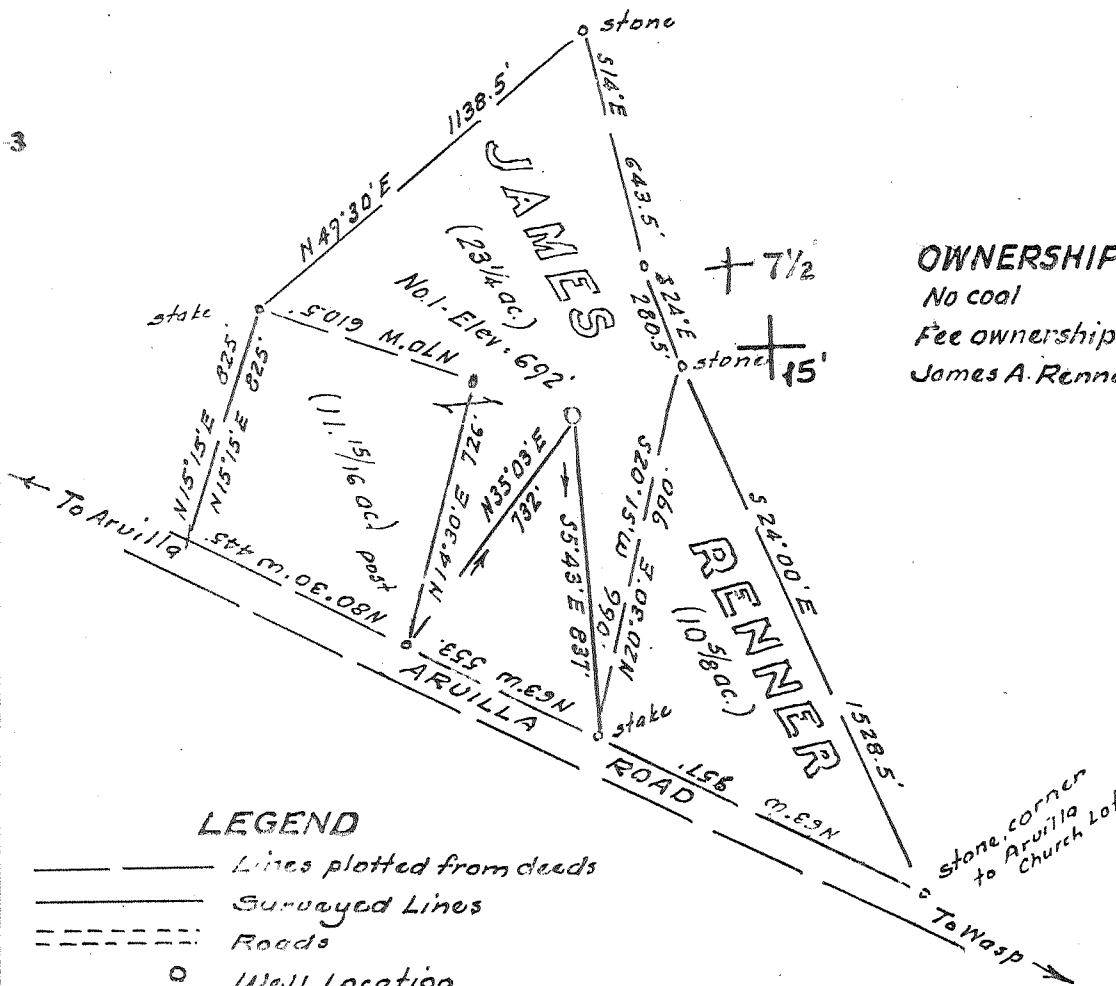


7400

LATITUDE 39° 27' 30" (15') 39° 30'

LONGITUDE 81° 00' 30" 81° 02' 30"

7550



OWNERSHIP
 No coal
 Fee ownership is vested in
 James A. Renner, R-1, Friendly, W. Va.

LEGEND

- Lines plotted from deeds
- Surveyed Lines
- Roads
- Well Location

Minimum Error of Closure 1 in 200

Source of Elevation USGS B.M. at Bridge at Arvella = 636

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..... 6/3/82

Signed: W. S. Holt
 Squares: - N S E W

Company Caltex Minerals Corp. 148
 Address P.O. Box 49, Buckhannon West Va.
 Farm James Renner
 Tract _____ Acres 45 13/15 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 692'
 Quadrangle Bens Run 7 1/2, St Marys 15'
 County Pleasants District Union
 Engineer W. S. Holt
 Eng's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Aug. 11, 1979 Scale 1" = 500'

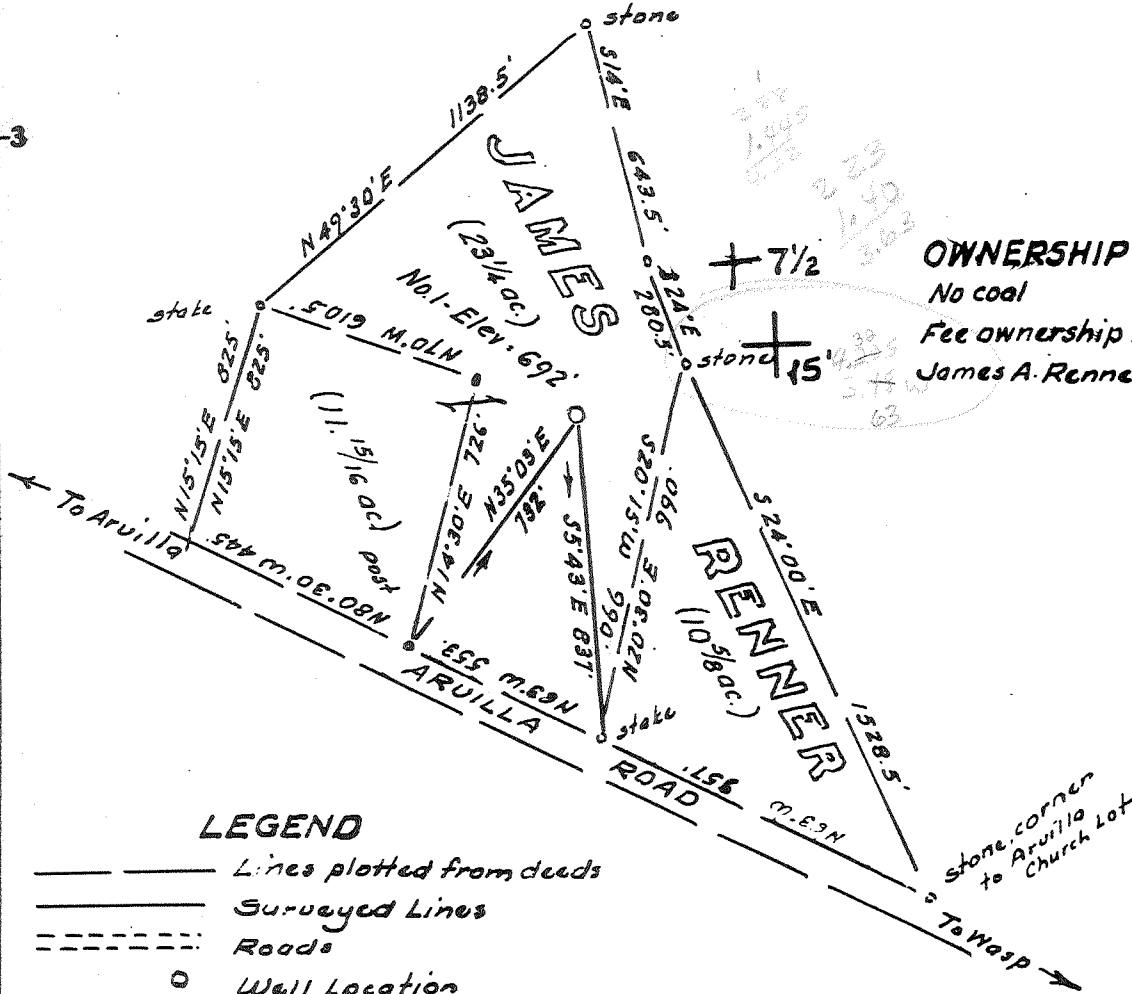
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

FILE NO. 47-073-789-P
~~Plugging Permit Cancelled~~
 + Denotes location of well on United States Topographic Maps, scale 1 to ^{24,000} _{62,500} latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.
 DEC 23 1986

LATITUDE 39° 27' 30"
(15') 39° 30'

LONGITUDE 81° 00' 30"
81° 02' 30"



OWNERSHIP
No coal
Fee ownership is vested in
James A. Renner, R-1, Friendly, W. Va.

LEGEND

- Lines plotted from deeds
- == Surveyed Lines
- - - Roads
- Well Location

Minimum Error of Closure 1 in 200

Source of Elevation USGS B.M. at Bridge at Arvilla = 636

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 6/3/82

Signed: [Signature]
 Squares: - N S E W

Company Catek Minerals Corp.
 Address P.O. Box 49, Buckhannon, West Va.
 Farm James Renner
 Tract _____ Acres 45 13/16 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 692'
 Quadrangle Bens Run 7 1/2, St Marys 15'
 County Pleasants District Union
 Engineer [Signature]
 Eng'rs Registration No. 1227
 File No. _____ Drawing No. _____
 Date Aug 11, 1979 Scale 1" = 500'

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

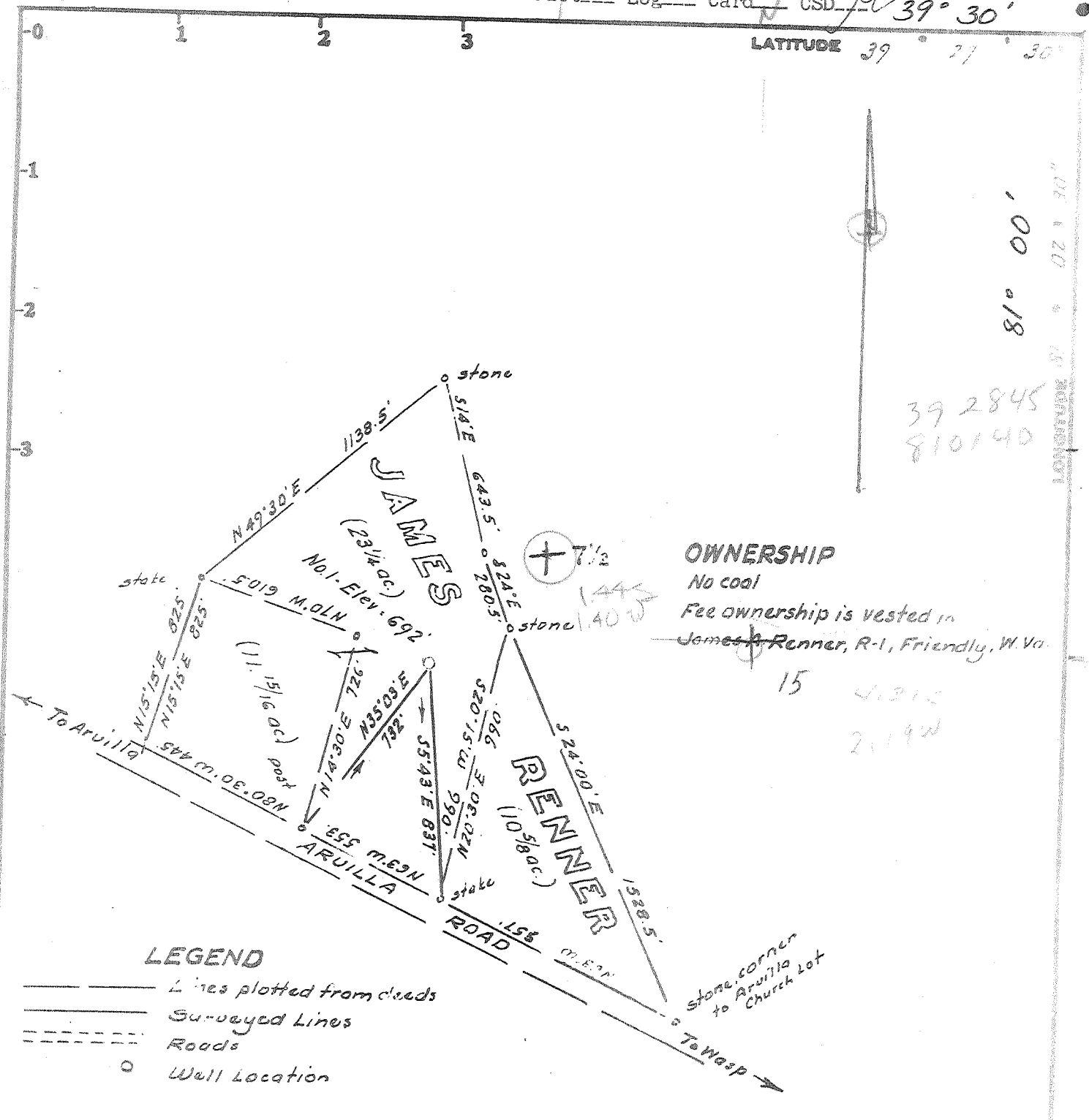
WELL LOCATION MAP

FILE NO. 47-073-789-P

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

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

3000 John



OWNERSHIP
 No coal
 Fee ownership is vested in
 James A. Renner, R-1, Friendly, W. Va.

15
 4.215
 2.192

LEGEND

- Lines plotted from deeds
- Surveyed Lines
- - - Roads
- o Well Location

Minimum Error of Closure 1 in 200

Source of Elevation USGS B.M. at Bridge at Arvilla = 636

- Fracture
- New Location
- Drill Deeper
- 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.

Signed: [Signature]
 Squares: N S E W

Map No.

Company LAUDERMAN OIL & GAS CO.
 Address P.O. Box 226, Paden City, West Va.
 Farm James Renner
 Tract Acres 45 13/16 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 692' NE
 Quadrangle Bens Run 7 1/2 St. Marys 15'
 County Pleasants District Union
 Engineer [Signature]
 Engr's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Aug 11, 1979 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. 073-0789

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

SEP 24 1979

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



RECORDED

MAR 20 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 16

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

Quadrangle Bens Run
Pleasant
Permit No. 470-73-0789

Company Lauderman Oil & Gas Co.
Address 311 S. 3rd Avenue Paden City, W.Va.
Farm James Renner Acres 46
Location (waters) Middle Island Creek
Well No. 1 Elev. 2000
District Union County Pleasants
The surface of tract is owned in fee by James Renner

Address _____
Mineral rights are owned by James Renner
Address _____
Drilling Commenced 7-28-79
Drilling Completed 8-6-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 100 MCF cu. ft. per day bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			450 sacks cement
8 5/8	223	223	125 on Surf. Cement
7			
5 1/2			
4 1/2	Surf.	2805	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

1800 lbs. of Water 65,000 lbs. of 20-40- Sand 350 gallon acid

Coal was encountered at No Coal Feet No Coal Inches
Fresh water 80 Feet Salt Water 1500 Feet 1550
Producing Sand Gordon Depth Gordon

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	Gray	Hard	0	25		
Shale	Red		25	40		
Lime	Gray		40	110		
Slate	Gray		110	170		
Shale	Black		170	175		
Lime	Gray		175	220		
Sand	White		220	240		
Rock	Red		240	305		
Slate	Gray		305	395		
Rock	Red		395	430		
Slate	Slate		430	490		
Rock	Red		490	560		
Slate	Sand		560	650		
Sand	White		650	660		
Shale	Black		660	680		
Shale	Gray		680	745		
Shale	Red		745	830		

(over)

* Indicates Electric Log tops in the remarks section.

APR 9 1980

Formation	Color	Hard or Soft	Top Feet /<	Bottom Feet	Oil, Gas or Water	Remarks
Shale	Blue		810	900		
Shale	Gray		900	1020		
Shale	Black		1020	1035		
Salt Sand I			1035	1110		
Slate	Gray		1110	1175		
Slate	Black		1175	1190		
Salt	Sand II		1190	1200		
Salt Sand III			1200	1250		
Gray	Shell		1250	1290		
Sandy Shell	Gray		1290	1320		
Maxon	Sand		1320	1365		
Big Lime			1365	1490		
Black Shale			1490	1510		
Big Injun			1510	1575		
Keener	Sand		1575	1625		
Gray Shell			1625	1920		
Lime Shell			1920	2010		
Sandy Shell			2010	2055		
Gray Shell			2055	2255		
Lime Shell			2255	2300		
Sandy Shell			2300	2310		
Gordon Straw			2310	2345		
Gray Shell			2345	2475		
<u>Gordon Sand</u>			2475	<u>2510</u>		
Gray Shell			2510	2715		
Lime	Shell		2715	2808		

Date 3-1 1980
 Owner Lordorman Co. Inc. APPROVED [Signature] Owner
 By [Signature] (Title)
 Gas
 Padon City, WVA 26159



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
AUG 01 1979
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE July 1, 1979

Surface Owner James A. Renner
Address Bens Run

Company LAUDERMAN OIL & GAS DRILLING
Address 311 South 4th Ave., Paden City, WV

Mineral Owner James A. Renner
Address SAME

Farm James A. Renner Acres 46

Coal Owner No coal in Pleasants Co.
Address _____

Location (waters) Middle Island Creek

Coal Operator No Coal
Address _____

Well No. 1 Elevation _____

District Union County Pleasants

Quadrangle _____

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 5-4-80

INSPECTOR
TO BE NOTIFIED Mr. Phillip Tracy

ADDRESS 173 Dodd Street Middlebourne, WV

PHONE 758-4573

Robert S. [Signature]
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 July 1 1979 by James A. and Lenora Renner made to Lauderman Oil & Gas and recorded on the _____ day of _____ 19____ in _____ 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.

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

311 South 4th Avenue
Street
Paden City, West Virginia
City or Town
West Virginia 26159
State

Very truly yours, [Signature]
(Sign Name) LAUDERMAN OIL & GAS DRILLING
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

47-073-0789 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 Stonestreet Drilling NAME Phillip Morgan
 ADDRESS Spencer, W.Va. ADDRESS P.O. Box 266, Paden City, WV
 TELEPHONE _____ TELEPHONE 304-337-2215
 ESTIMATED DEPTH OF COMPLETED WELL: 3000 ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 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	230 Cem	230 Cemented to surface	
7			
5 1/2			
4 1/2		Cemented thru payzone	
3			Perf. Top
2			Perf. Bottom
Lines			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 90 FEET 1500 SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS No coal
 IS COAL BEING MINED IN THE AREA? No coal 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