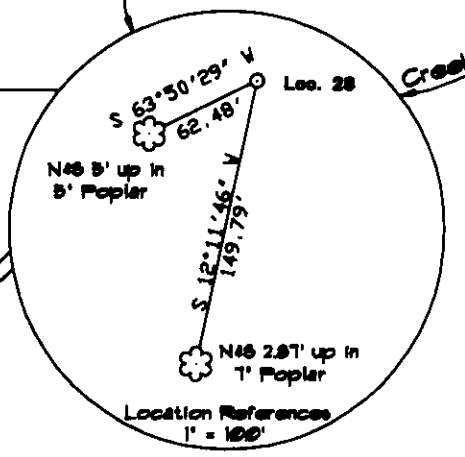


Coordinates for Loc. 28
 West Virginia State Plane
 N 354,138.63 : E 1,893,405.84
 Carbon Fuel Company
 N 15,881.92 : E 37,950.45

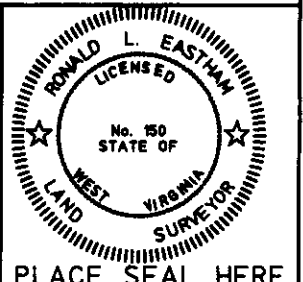
LINE	BEARING	DISTANCE
L1	S 64°58'04" W	2816.99'
L2	N 56°25' E	1121.98'
L3	N 56°46' E	169.02'
L4	N 73°11' E	683.41'
L5	N 71°30'15" E	885.93'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1: 12800
 PROVEN SOURCE OF ELEVATION U.S.G.S. Mon. '32 8K8'
 Elev. = 1291.109

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY
 (SIGNED) Ronald L. Eastham
 R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

DATE June 23 19 94
 OPERATOR'S WELL NO. Bedford Land Co. No. 28
 API WELL NO. 8N.146841

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 2530.92 WATER SHED Cabin Creek of the Kanawha River
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Pax Scales NL

SURFACE OWNER Carbon Fuel Company ACREAGE 8300
 OIL & GAS ROYALTY OWNER Carbon Fuel Company LEASE ACREAGE 8,406
 LEASE NO. 9965

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

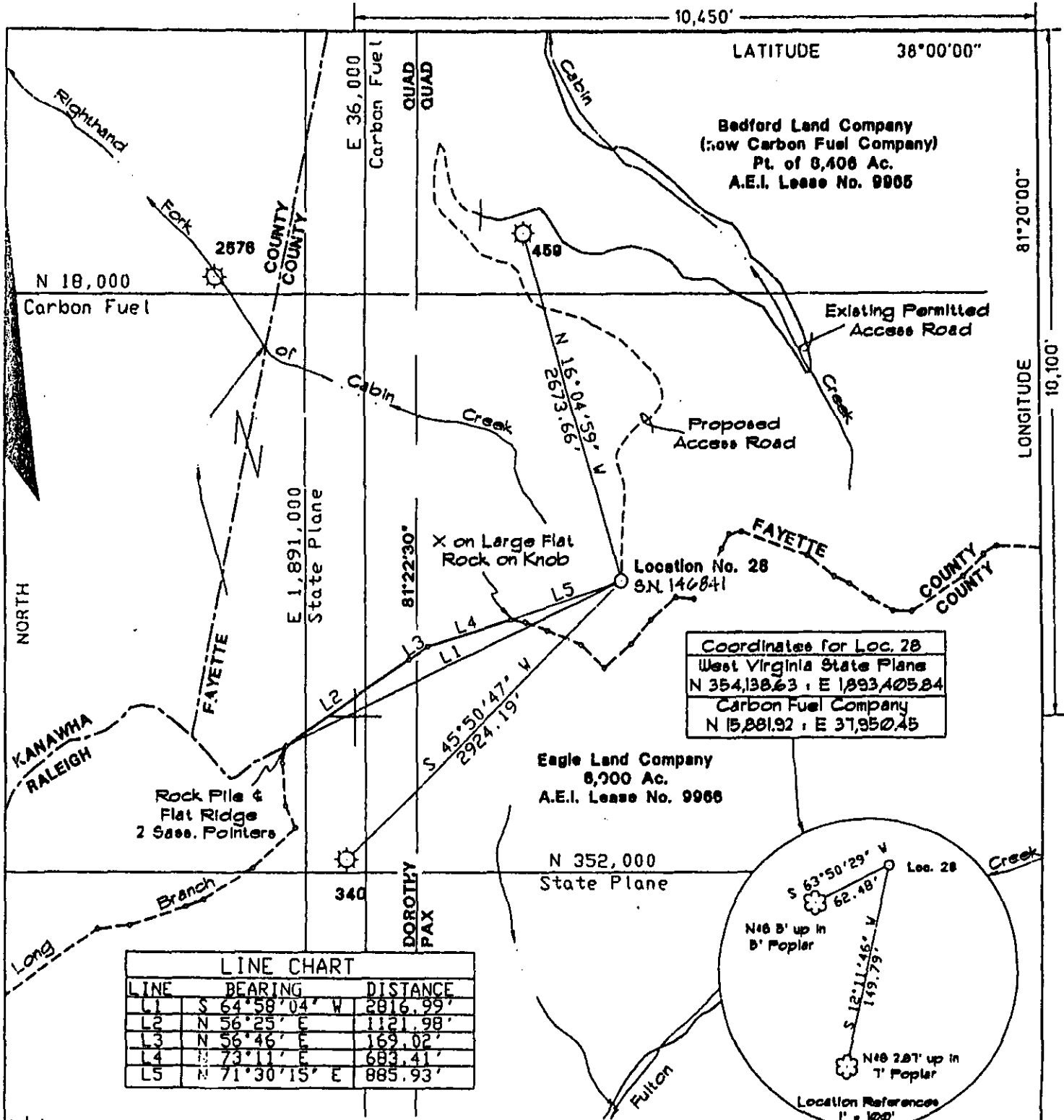
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION Devonian shale ESTIMATED DEPTH 4,222'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT A. Ray Chandler
 ADDRESS P.O. Box 391 4619 Ashland, Ky. 41114 ADDRESS Rt. 6 Box 178 6-6 262 Charleston, WV 25311

FORM WW-6

COUNTY NAME PERMIT



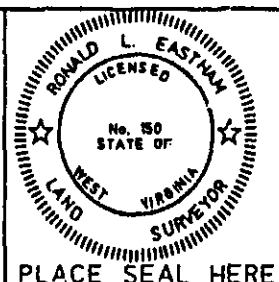


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1: 128,000
PROVEN SOURCE OF ELEVATION U.S.G.S. Mon. '32 8K9'
Elev. = 1091.709

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY

(SIGNED) Ronald L. Eastman
R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE June 23 19 94
OPERATOR'S WELL NO. Bedford Land Co. No. 28
API WELL NO. S.N. 146841
47-019-07889

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE COUNTY PERMIT
(IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X

LOCATION: ELEVATION 2530.92 WATER SHED Cabin Creek of the Kanawha River
DISTRICT Valley COUNTY Fayette
QUADRANGLE Pax

SURFACE OWNER Carbon Fuel Company ACREAGE 8,300
OIL & GAS ROYALTY OWNER Carbon Fuel Company LEASE ACREAGE 8,406
LEASE NO. 9965

PROPOSED WORK: DRILL ___ CONVERT X DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Devonian shale ESTIMATED DEPTH 4,222'
WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT A Ray Chandler
ADDRESS P.O. Box 391 ADDRESS Rt. 6 Box 178
Ashland, Ky. 41114 Charleston, WV 25311

RECEIVED
Office of Oil & Gas
Chief of Office
MAR 06 2006
WV Department of Environmental Protection
MAR 17 2006

FORM WW-6

FAY COUNTY NAME



10-8-94

13 1300
submitting
Oil & Gas

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: BEDFORD LAND COMPANY Operator Well No.: 28-S-146841

Location: Elevation: 2,530.92 Quadrangle: PAX

District: VALLEY County: FAYETTE
Latitude: 10100 Feet South of 38 Deg. 0 Min. 0 Sec.
Longitude: 10450 Feet West of 81 Deg. 20 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.
P.O. BOX 391, AT-9
ASHLAND, KY 41114-0391

Agent: B. E. Widener

Inspector: RODNEY DILLON
Permit Issued: 10-03-94
Well Work Commenced: 11-05-94
Well Work Completed: 02-23-95
Verbal Plugging
Permission granted on:

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 16"	38'	38'	11.8
8 ⁵ / ₈ "	1124'	1124'	385.4
4 1/2"	4160'	4160'	475.2
2 ³ / ₈ "	—	4047'	

Rotary Cable _____ Rig _____
Total Depth (feet) 4212
Fresh water depths (ft) Not Reported

Salt water depths (ft) Not Reported

Is coal being mined in area (Y/N)? N
Coal Depths (ft): Not Reported

OPEN FLOW DATA

Gordon 4078-4086
M&U Weir 3468-3499

Producing formation Big Lime Pay zone depth (ft) 3199-3268

Gas: Initial open flow 351 MCF/d Oil: Initial open flow -- Bbl/d
Final open flow 265 MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 3 Hours

Static Rock Pressure 276 psig (surface pressure) after 72 Hours

Second producing formation Salt Sand Pay zone depth (ft) 1661-1690

Gas: Initial open flow 139 MCF/d Oil: Initial open flow -- Bbl/d
Final open flow 118 MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests 3 Hours

Static Rock Pressure 160 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Ashland Exploration, Inc.

By: Scott A. Arnold Scott A. Arnold, Asst. Eng.
Date: 9/11/95 09-11-95

<u>Formation or Rock Type</u>	<u>Top</u>	<u>Bottom</u>
Sand and Shale	0	1197
Salt Sand	1197	2143
Pennington Fm.	2143	2946
Princeton	2149	2188
Ravencliff	2331	2339
Avis Lime	2352	2382
Upper Maxton	2507	2946
Little Lime	2946	3045
Big Lime	3045	3340
Borden	3340	3853
Big Injun	3398	3425
Upper Weir	3466	3474
Middle Weir	3477	3523
Lower Weir	3554	3619
Sunbury Shale	3853	3873
Berea	3873	3909
Devonian	3909	4074
Gordon	4074	4212
TD	4212	

DTD 4231
LTD 4212

Well Treatment

Perf Gordon 3 1/8" HCG .37 jets 17H/4078-4086. 75-65Q foam frac Gordon using 500 gal 15% HCl-Fe acid, 60,100# 20/40 sand & 154,000 scf N₂ @ 6579 scf/m. BD 1038, ATP 1036 @ 20 B/M foam, MTP 1174, ISIP 936, TF 140 Bbl.

Perf M. & U. Weir using 3 1/8" HCG .37 jets under lub 29H/3485-3499 & 11H/3468-3473. Set RBP @ 3565 under lub. 75-65 Q foam frac M. & U. Weir using 500 gal 15% HCl-Fe acid, 101,300# 20/40 sand & 335,000 scf N₂ @ 101,174 scf/m. BD 1884, ATP 1830 @ 20 B/M Foam, MTP 2089, ISIP 2006, TF 186 Bbl.

Perf Big Lime 3 1/8" HCG .37 jets under lub 18H/3199-3208, 3H/3267-3268. RBP @ 3290 under lub. 65Q foam acidized Big Lime using 2000 gal 30% HCl-Fe acid, 1000 gal 29% HCl-Fe acid & 500 gal 15% HCl-Fe acid, & 127,000 scf N₂ @ 8807 scf/m. BD 2728, ATP 2070 @ 20 B/M Foam, MTP 2728, ISIP 1544, TF 102.

Perf Salt Sand w/3 1/8" HCG .37 jets 15H/1683-1690, and 17H/1661-1669. 75Q foam frac Salt Sand using 500 gal 15% HCl-Fe acid, 34,900# 20/40 sand, and 144,000 scf N₂ @ 7,972 scf/m. BD @ 1162, ATP 1478 @ 20 BPM foam, MTP 1695, ISIP 1549, TF 102 Bbl.

RECEIVED
WV Division of
Environmental Protection

JUN 07 1995

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Permitting
Office of Oil & Gas
Farm Name: BEDFORD LAND COMPANY

Operator Well No.: 28-S-146841

Location: Elevation: 2,530.92

Quadrangle: PAX

District: VALLEY

County: FAYETTE

Latitude: 10100 Feet South of 38 Deg. 0 Min. 0 Sec.

Longitude: 10450 Feet West of 81 Deg. 20 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.
P.O. BOX 391, AT-9
ASHLAND, KY 41114-0391

Agent: B. E. Widener

Inspector: RODNEY DILLON
Permit Issued: 10-03-94
Well Work Commenced: 11-05-94
Well Work Completed: 02-23-95
Verbal Plugging
Permission granted on:

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
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8 5/8"	1134'	1134'	385.4
4 1/2"	4170'	4170'	475.2
2 3/4"		4047'	

Rotary Cable _____ Rig
Total Depth (feet) 4212
Fresh water depths (ft) None Reported

Salt water depths (ft) None Reported

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None Reported

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Big Lime 3468-3499
Producing formation M&U Weir Pay zone depth (ft) 3199-3268
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For: Ashland Exploration, Inc.

JUN 9 1995

By: Daniel L. VanHoose Daniel L. VanHoose
Date: 06-02-95

<u>Formation on Rock Type</u>	<u>Top</u>	<u>Bottom</u>
Sand and Shale	0	1197
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DTD 4231

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SEP 16 1994

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Issued 10/03/94
Expires 10/03/96
537

Permitting
Office of Oil & Gas

42

2750

(9)

- 1) Well Operator: Ashland Exploration, Inc Bedford Land Company
- 2) Operator's Well Number: 28, Serial #146841 3) Elevation: 2530.9

Well type: (a) Oil or Gas
 (b) If Gas: Production Underground Storage
 Deep Shallow

Proposed Target Formation(s): Gordon/Devonian Shale

Proposed Total Depth: 4222 feet

- 7) Approximate fresh water strata depths: None Reported
- 8) Approximate salt water depths: None Reported
No. 2 Gas - 860' Depth - Mined Out, Powellton - 881' Depth - Mined Out,
- 9) Approximate coal seam depths: Eagle - 1074' Depth - Mined Out
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Drill and Stimulate New Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu.ft.)
Conductor	16	LS	42	30	30	CTS
Fresh Water						30E57187.3
Coal	11 3/4	H-40	42	1134	1134	30E57187.22 CTS
Intermediate	8 5/8	J-55	24	2282	2282	CTS
Production	4 1/2	J-55	10.5	4222	4222	AS REQUIRED
Tubing	2 3/8	J-55	4.7	-	4100	SIPHON
Liners						30E57187.1

PACKERS: Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 - Plat WW-9 WW-2B Bond Blanket Agent
- (Type)

206041/30

RECEIVED
WV Division of
Environmental Protection

SEP 16 1994

Permitting
Office of Oil & Gas

Page 1 of 2
Form WW2-A
(09/87)
File Copy

- 1) Date: September 14, 1994
- 2) Operator's well number
Bedford Land Co. #28, Serial #146841
- 3) API Well No: 47 - 019 - 0688
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Carbon Fuel Company</u>
Address <u>One Carbon Square</u>
<u>Chesapeake, WV 25315</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Same as No. 4(a)</u>
Address _____</p> <p>(c) Coal Lessee with Declaration
Name <u>None</u>
Address _____</p> |
| <p>6) Inspector <u>Rodney Dillon</u>
Address <u>P.O. Box 131</u>
<u>Bradley, WV 25818</u>
Telephone (304)-<u>877-2912</u></p> | |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
 I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 2 on the above named parties, by:

 Personal Service (Affidavit attached)
 X Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
 I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
 I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Ashland Exploration, Inc.
 BY: Don K. Cunningham *Don K. Cunningham*
 Its: Senior Engineer
 Address P.O. Box 391
Ashland, KY 41114
 Telephone 606-329-3870

Subscribed and sworn before me this 14th day of September, 1994
Thick W. Donta
 _____ Notary Public
 My commission expires November 23, 1994