

NOTES: LATITUDE, LONGITUDE, WELL AND CORNER TIES FROM DGPS SUBMETER SURVEY DATED 08/07/02.

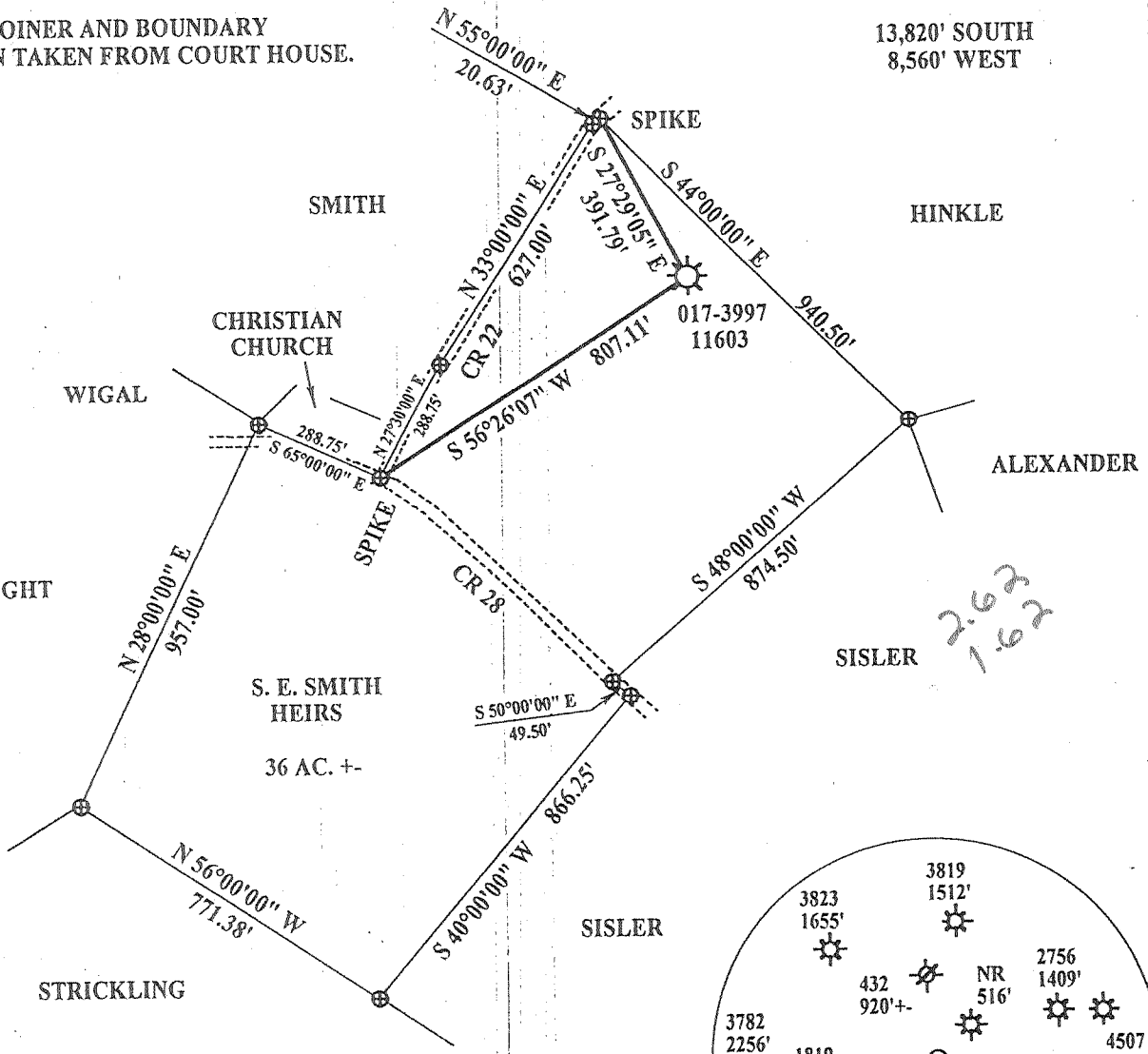
LATITUDE 39-22-30

SURFACE, ADJOINER AND BOUNDARY INFORMATION TAKEN FROM COURT HOUSE.

SCALED COOR.:

13,820' SOUTH
8,560' WEST

LONGITUDE 80-45-00



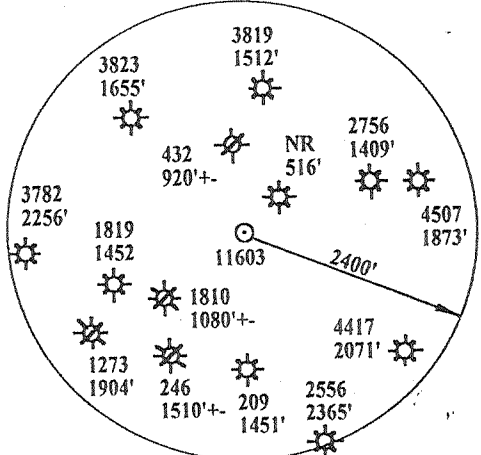
NORTH

NAD 27 WV NORTH SPC:

11603 = 307,331.08'
1,638,083.77'

NAD 27:

39-20-12.22
80-46-46.50



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

FILE NUMBER: _____ DRAWING NUMBER: <u>DEP11603.PCS</u> SCALE: <u>1" = 400'</u> MINIMUM DEGREE OF ACCURACY: <u>1 IN 200</u> PROVEN SOURCE OF ELEVATION: <u>DGPS SURVEY 08/07/02</u> <u>SUBMETER SYSTEM</u>	I, THE UNDERSIGNED, HEREBY STATE THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY. (SIGNED) <u>[Signature]</u> STEPHEN D. LOSII, P.S. #674	
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STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506 FORM WW-6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: <u>AUGUST 09, 2002</u> OPERATORS WELL NO.: <u>11603</u> API WELL NO. <u>47 - 017 - 03997F</u> STATE COUNTY PERMIT
WELL TYPE: OIL ___ GAS <u>X</u> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <u>X</u> STORAGE ___ DEEP ___ SHALLOW <u>X</u>		
LOCATION: ELEVATION <u>950.33'</u> WATERSHED <u>WOLFPEN RUN</u> DISTRICT <u>WEST UNION</u> COUNTY <u>DODDRIDGE</u> QUADRANGLE <u>WEST UNION</u> LEASE NUMBER _____		
SURFACE OWNER <u>KAREN SMITH</u> ACREAGE <u>35.34</u> OIL & GAS ROYALTY OWNER <u>S. E. SMITH HEIRS</u> LEASE ACREAGE <u>36.00</u>		
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE <u>X</u> PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___		
TARGET FORMATION _____ ESTIMATED DEPTH _____		
WELL OPERATOR <u>DOMINION EXPLORATION & PRODUCTION, INC.</u> DESIGNATED AGENT <u>RODNEY BIGGS</u> ADDRESS <u>P. O. BOX 1248 JANE LEW, WV 26378</u> ADDRESS <u>P. O. BOX 1248 JANE LEW, WV 26378</u>		

COUNTY NAME PERMIT

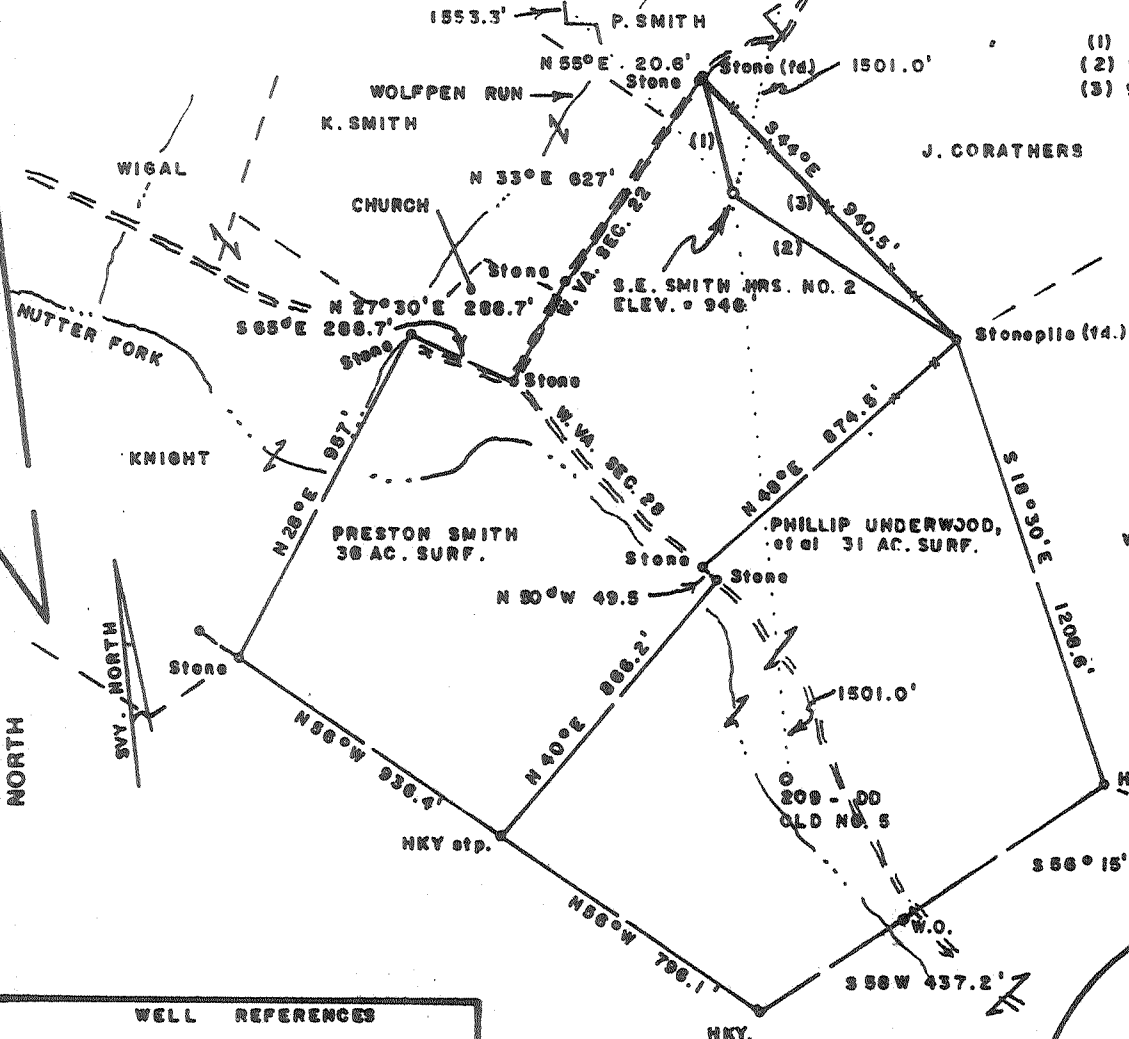
0000 3997 F

S. E. SMITH HEIRS LEASE 36 AC. ±

LATITUDE 39°22'30"

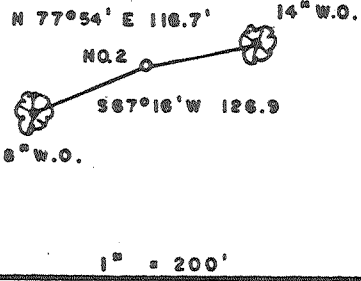
WELL TIES

- (1) N 7° 39' W 299.1'
- (2) S 51° 17' E 696.6'
- (3) S 38° 32' E 936.1'

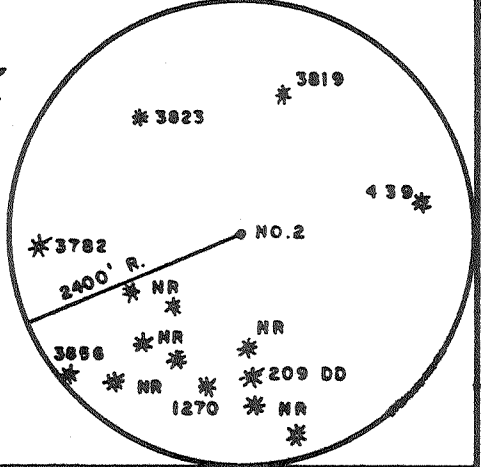


LONGITUDE 80°45'00" 13,890'S

WELL REFERENCES



STRICKLING

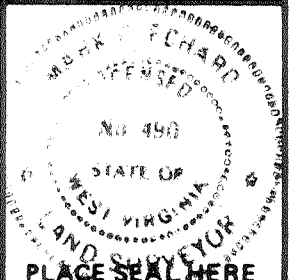


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS
 WEST SIDE LEASE ELEV. = 801'

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 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Mark C. Echard
 (SIGNED) MARK C. ECHARD

R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 16, 19 92
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 017 - 3997
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 946' WATER SHED WOLFFPEN RUN OF NUTTER FORK
 DISTRICT WEST UNION 8 & 15' (EO) COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER PRESTON SMITH ACREAGE 36
 OIL & GAS ROYALTY OWNER S. E. SMITH HEIRS LEASE ACREAGE 36
 LEASE NO. _____
 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 BENSON - RILEY ESTIMATED DEPTH 5500'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, W. VA. 26320 ALMA, W. VA. 26320

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Handwritten signature

Well Operator's Report of Well Work

S E Smith #2

Farm name: Smith, Karen Operator Well No.: 11603 REWORK
LOCATION: Elevation: 950.33' Quadrangle: West Union

District: West Union County: Doddridge
Latitude: 13,820 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 8560 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Mike Underwood				
Date Permit Issued: 09/11/2002		See Original	WR-35 for	Existing
Date Well Work Commenced:		Casing	program	
Date Well Work Completed: 11/15/2002				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary Cable X Rig				
Total Depth (feet):				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

Office of Oil and Gas
Permitting
DEC 05 2002
WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2604-2620'
Gas: Initial open flow -- MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 60 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 350 psig (surface pressure) after 12 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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.

Signed: *Rodney J. Biggs*
By: Rodney J. Biggs
Date: 12/3/02

Handwritten initials

JAN 17 2003
3997F

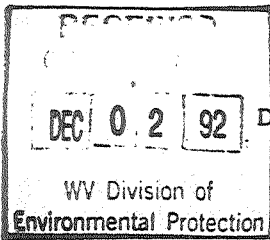
WELL S E SMITH #2 11603

11/15/02 PERFED AND FRACED AS FOLLOWS:

11/21/2002

GORDON, 2604 - 2620', 14 HOLES, BD 2577#, AVG RATE 14 BPM, AVG PRESS 2231#, 332 BBLs, TOT SAND

21,500#, ISIP 1810#



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

Well Operator's Report of Well Work

Farm name: SMITH, PRESTON C.

Operator Well No.: S.E. SMITH #2

LOCATION: Elevation: 946.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 13890 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 8370 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD
Permit Issued: 11/02/92
Well work Commenced: 11/6/92
Well work Completed: 11/16/92
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5035
Fresh water depths (ft) 130

Salt water depths (ft) 1560

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1059	1059	245sks CTS
4-1/2"		5005	175sks

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth (ft) 4914-18
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 390 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 1525 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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.

Reviewed TMG
Recorded CH

For: DRILLING APPALACHIAN CORP. MAY 14 1993
By: Kenneth R. Mason
Date: 11-25-92

Perforated at a depth of 4914-4918, 16 shots, 0.39".
 Fraced with 711 bbls of 20# gel Water, 115,000 SCF nitrogen gas,
 10,000# 80/100, 40,000# 20/40 sand. Formation Break at 1819 psi,
 avg treatment psi, 2699, avg fluid rate 21.70 bbl/min, ISIP 1626

Permian Sand/Shale	0	500	
Pennsylvanian Sand/Shale	500	1859	
Big Lime	1860	1920	
Big Injun Sand	1921	2040	
Shale	2041	2183	
Weir	2184	2278	
Shale	2279	2383	
Gantz Sand	2384	2398	
Shale/Siltstone	2399	2605	
Gordon Sand	2606	2631	
Shale/Siltstone	2632	3281	
Warren	3282	3310	
Shale/Siltstone	3311	4445	
Riley	4446	4497	
Shale/Siltstone	4498	4896	
Benson Sand	4897	4902	show of gas
Shale	4903	5242	
TD		5242	

DF - 424

DCT - 435

14513

GINAL

Page 1 of 5
Form WV2-A
(09/87)

RECEIVED

WV Division of
Environmental Protection

OCT 3 0 92

Permitting
Office of Oil & Gas

- 1) Date: October 20, 1992
- 2) Operator's well number
S. E. SMITH #2
- 3) API Well No: 47 - 17 - 3997
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

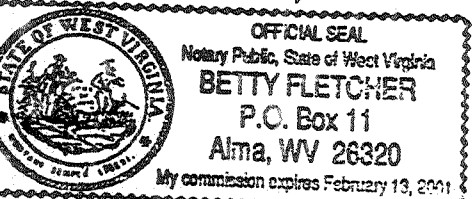
- 4) Surface Owner(s) to be served:
 - (a) Name Preston C. Smith
Address 1821 Thunderbird Trail
Maitland, Florida 30751
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
 - Name _____
Address _____
- 6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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 5 on the above named parties; by:
 _____ Personal Service (Affidavit attached)
 _____ 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 DRILLING APPALACHIAN CORPORATION
 By: Kenneth R. Mason
 Its: President
 Address P. O. BOX 99, Alma, WV 26320-0099
 Telephone 304/758-4638



Subscribed and sworn before me this 20th day of October, 1992
Betty Fletcher Notary Public
 My commission expires 2/13/2001