

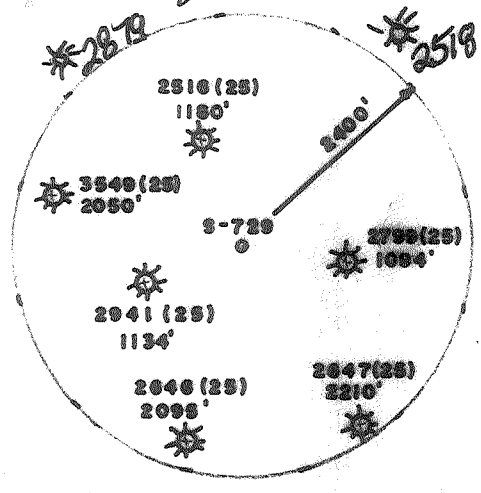
Janice 6/3/88

Janice 10/28/96

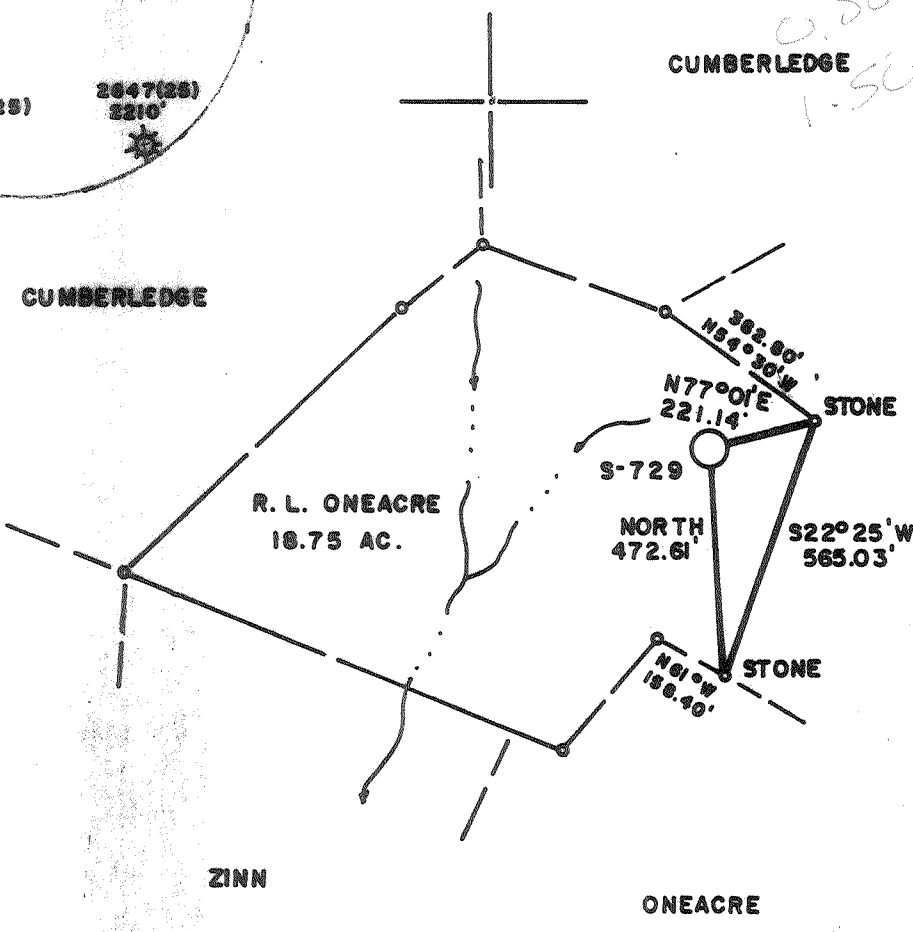
7960'

LATITUDE 39° 15' 00"

WELL REFERENCES:
S 30° 30' E, 152' TO 6" R. MAPLE
S 04° W, 147.50' TO 16" C. OAK



NORTH



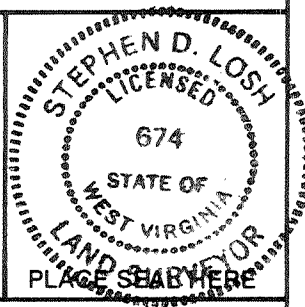
4260'
80° 32' 30"
LONGITUDE

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 700' N.E. OF LOCATION ELEV. - 1335'

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 ENERGY.
 (SIGNED) Stephen D. Losh
 R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 NITRO, WEST VIRGINIA 25143



DATE MAY 23, 19 88
 OPERATOR'S WELL NO. S-729
 API WELL NO. PATRICIA ONEACRE

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 1136' WATERSHED TRAUGH FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5 min.

SURFACE OWNER ROGER D. ZINN ACREAGE 18.05
 OIL & GAS ROYALTY OWNER ROBERT L. ONEACRE LEASE ACREAGE 18.50
 LEASE NO. 2122

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Set temporary plug five feet and remove plug commingled with Emerson and Alexander

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 3600'

WEL ADD Dominion Appalachian Development, Inc. DESIGNATED AGENCY ADDRESS _____
P.O. Drawer R
Jane Lew, wva. 26378-0080

John Haskins 10/2/1986
 Same Address
 PH: 304-884-7881

FORM WW-6
COUNTY NAME DODD
PERMIT 3645

Jamie 6/3/88

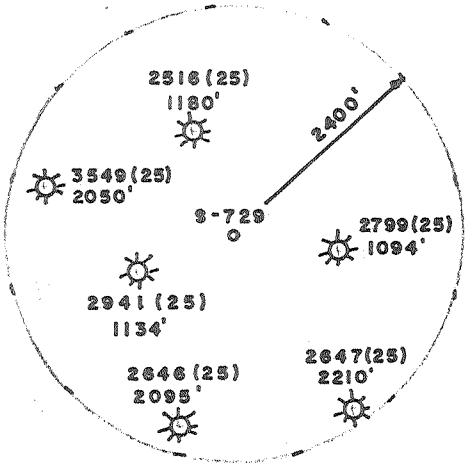
7960'

LATITUDE 39° 15' 00"

WELL REFERENCES:
S 30° 30' E, 152' TO 6" R. MAPLE
S 04° W, 147.50' TO 16" C. OAK

0.80
3.74

0.805
1.500



CUMBERLEDGE

CUMBERLEDGE

R. L. ONEACRE
18.75 AC.

STONE

DAVIS

NORTH
472.61'

S 22° 25' W
565.03'

TRENT

STONE

ZINN

ONEACRE

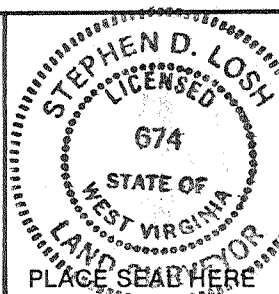
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION TOP OF KNOB 700' N.E.
OF LOCATION ELEV. - 1335'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.

(SIGNED) *Stephen D. Losh*
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 23, 1988
OPERATOR'S WELL NO. S-729
API WELL NO. Patricia Oneacre
47 - 017 - 3645
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1136' WATER SHED TRAUGH FORK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC 7.5 min. 252 123 2 VADIS NE
SURFACE OWNER ROGER D. ZINN ACREAGE 18.05
OIL & GAS ROYALTY OWNER ROBERT L. ONEACRE LEASE ACREAGE 18.50
LEASE NO. 2122

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 ALEXANDER ESTIMATED DEPTH 5600'
WELL OPERATOR SCOTT OIL COMPANY DESIGNATED AGENT DARREL WRIGHT
ADDRESS P. O. BOX 112 774 ADDRESS P. O. BOX 112
SALEM, WV 26426 SALEM, WV 26426

JUN 21 1988

6-6 Meathouse Fork - Bristol (146)

LONGITUDE 80° 32' 30"

COUNTY NAME PERMIT

FORM WW-6 H.T. HALL 48673

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: ZINN, ROGER

Operator Well No.: S-729

LOCATION: Elevation: 1136.00 Quadrange: BIG ISAAC

District: GREENBRIER County: DODDRIDGE
Latitude: 4260 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude: 7960 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: SCOTT OIL CO.
P. O. BOX 8
GREENWOOD, VA

Agent: JOHN T. HASKINS

Inspector: MIKE UNDERWOOD

Permit Issued: 06/06/88

Well work Commenced: 7/29/88

Well work Completed: 8/3/88

Verbal Plussing

Permission granted on:

Rotary X Cable _____ Rig

Total Depth (feet) 5563

Fresh water depths (ft) 25, 115

Salt water depths (ft)

Is coal being mined in area (Y/N)? n

Coal Depths (ft): 475, 765

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4	30		
8 5/8		896	to surface
4 1/2		5490	550 sks

RECEIVED
SEP 02 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Alexander Pay zone depth (ft)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow 892 MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure 1620 psig (surface pressure) after _____ 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.

For: SCOTT OIL CO.

Daniel Wright

SEP 09 1988

By: _____
Date: 9/1/88

1 Stage	75 Q FOAM FRAC				11/15/96
ONE(S)	PERFS	HOLES	BBL	BDP	ISIP
5th Sand	3062-3067	12	155	1790	850

* Cleaned up and commingled with existing Benson and Alexander production.

* See original WR-35 for geologic information. No changes during workover procedures.

Benson 5030-5040 Sand 80/100 5000#
20/40 42500#

Alexander 5370-5376 Sand 80/100 5000#
35000#

Red Rock	0	12
Sand	12	25
Sand & Shale	25	475
Coal	475	480
Sand & Shale	480	765
Coal	765	770
Sand & Shale	770	2068
L. Lime	2068	2081
Sand & Shale	2081	2110
Big Lime	2110	2180
Sand	2180	2250
Sand & Shale	2250	2738
Sand	2738	2758
Sand & Shale	2758	2808
Sand	2808	2875
Sand & Shale	2875	3062
Sand	3062	3070
Sand & Shale	3070	5028
Sand	5028	5046
Sand & Shale	5046	5305
Sand	5305	5420
Sand & Shale	5420	5563TD

Gamma Ray

Big Lime	2110	2180
Big Injun	2180	2250
Gordon Stray	2738	2758
Gordon	2808	2875
5th Sand	3062	3070
Benson	5028	5046
Alexander	5305	5420

RECEIVED
SEP 02 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
OFFICE OF OIL AND GAS

JAN 17 1997

WV Division of
Environmental Protection

JAN 24 1997

REWORK

017-3645- Raw Frac.

FORM WW-2B

Page ___ of _____

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

5735 47850

- 1) Well Operator: DOMINION APPALACHIAN DEVELOPMENT, INC. (4) 252
- 2) Operator's Well Number: PATRICIA ONEACRE (10530) 3) Elevation: 1136'
- 4) Well type: (a) Oil ___ / or Gas X / Issued 10/31/96
 (b) If Gas: Production X / Undergrnd Storage ___ / Expires 10/31/98
 Deep ___ / Shallow ___
422
- 5) Proposed Target Formation(s): Fifth Sand
- 6) Proposed Total Depth: 3067' feet
- 7) Approximate fresh water strata depths: 99', 215'
- 8) Approximate salt water depths: 1265'-1270', 1197'-1202'
- 9) Approximate coal seam depths: 189'-193', 363', 369', 459'-462'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Free Existing Well New Formations Comingle
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4			30		
Fresh Water						
Coal						
Intermediate	8 5/8				896	TO SURFACE
Production	4 1/2				5490	550 SKS
Tubing						
Liners						

Existing Well Perms

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 Agent

22726

008018
33

WV Division of
Environmental Protection
OCT 15 1996
Permitting
Office of Oil & Gas

REWORK
1) Date: SEPTEMBER 27, 1996
2) Operator's well number
PATRICIA ONEACRE (10530)
3) API Well No: 47 - 017 - 3645
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name ROGER ZINN
Address ROUTE 3
SALEM, WV 26426
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE UNDERWOOD
Address ROUTE 2 BOX 135
SALEM, WV 26326-0135
Telephone (304) - _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name WILLIS TETRICK
Address UNION NATIONAL CENTER
CLARKSBURG, WV 26301
Name _____
Address _____
(c) Coal Lessee with Declaration
Name CONSOLIDATION COAL CO.
Address P O BOX 1314
MORGANTOWN, WV 26505

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

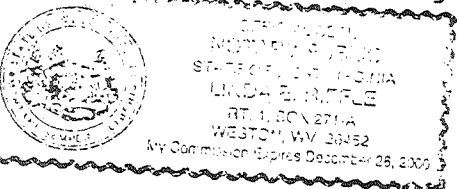
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 DOMINION APPALCHIAN DEVEL., INC.
By: [Signature] JOHN T. HASKINS
Its: SENIOR VICE PRESIDENT
Address P O DRAWER R
JANE LEW, WV 26378
Telephone (304) 884-7881



Subscribed and sworn before me this 27th day of September, 1996

[Signature]
My commission expires December 26, 2000 Notary Public

WELL OPERATOR: DOMINION APPALACHIAN DEVELOPMENT, INC.

OPERATOR WELL NO: PATRICIA ONEACRE #1 (10530)

FILE NUMBER: 47-017-3645 - W

PROPOSED WELL WORK:

1. Rig up wireline service company and run Perforating Depth Control log from 3300' to 2500'.
2. Perforate Fifth Sand 3062 - 3067' with 2 spf deep penetrating charges.
3. Set small mouth drop ball plug at/near 3085'.
4. Rig up frac service company and load hole with 500 gallons 28% HCl and approximately 40 bbl treated water. Pump ball down with acid.
5. Breakdown Fifth Sand, establish 25 bpm rate, shut down and monitor ISIP. Calculate bottom hole pressure and Nitrogen conversion rate.
6. Frac Fifth Sand at constant 25 bpm bottom hole rate with 75 Quality foam using 20# gel system treated for iron, clay and oil. Place 20,000# 20/40 sand and flush with 50 bbl fresh water.
7. Rig down service companies, flow well back, drill out drop ball plug and clean well to TD. Commingle with existing producing zones.

Note: Depths per Young Wireline Log dated 8/3/88.

RECEIVED
 WV Division of
 Environmental Protection
 OCT 15 1996
 Permitting
 Office of Oil & Gas

CK. A. 3576
 33

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

- 1) Well Operator: 774 Scott Oil Company 44315, 4, 252
- 2) Operator's Well Number: S-729 Patricia Oneacre 3) Elevation: 1136
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5600 feet
- 7) Approximate fresh water strata depths: 99', 215'
- 8) Approximate salt water depths: coal @ 1265-1270', 1197-1202'
- 9) Approximate coal seam depths: 189'-193', 363'-369', 459'-462'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work:
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4			30'		
Fresh Water						
Coal						
Intermediate	8 5/8			1300'	1300' / 980'	38CSR18-11.3 38CSR18-11.2.2 to surface
Production	4 1/2				5500'	38CSR18-11.1 400 sks
Tubing						
Liners						

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MAY 31 1988

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond 50 Blanket Agent
 (Type)

1) Date: May 25, 1988
2) Operator's well number
S-729 Patricia Oneacre
3) API Well No: 47 - 017 - 3645
State - County - Permit

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

RECEIVED
MAY 31 1988

4) Surface Owner(s) to be served:
(a) Name Roger Zinn
Address Route 3
Salem, WV 26426
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Route 2
Salem, WV 26426
Telephone (304)-782-1043

5) (a) Coal Operator DIVISION OF OIL & GAS
Name DEPARTMENT OF ENERGY
Address _____
(b) Coal Owner(s) with Declaration
Name Willis Tetrick
Address Union National Center
Clarksburg, WV 26301
Name _____
Address _____
(c) Coal Lessee with Declaration
Name Consolidation Coal Co.
Address P. O. Box 1314
Morgantown, WV 26505

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 _____ 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 Scott Oil Company
By: James Wright
Its: Agent
Address P. O. Box 112
Salem, WV 26426
Telephone 304-623-9600

Subscribed and sworn before me this 25 day of May, 1988

Roger Zinn
My commission expires April 23, 1993 Notary Public