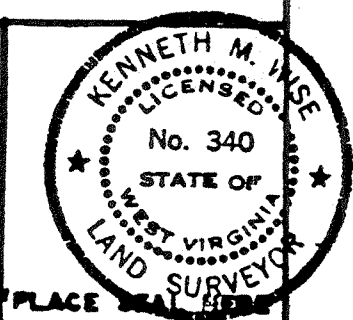


FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 300'  
 MINIMUM DEGREE OF ACCURACY 1/7000  
 PROVEN SOURCE OF ELEVATION BY 118" 1921" WVA Reser 1946 Elev. 2033.86

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.  
 (SIGNED) Kenneth M. Wise  
 R.P.E. \_\_\_\_\_ L.L.S. NO 340



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

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE June 1, 1981  
 OPERATOR'S WELL NO 1  
 API WELL NO. 47-025-0024-Red  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 2095.13 WATER SHED Meadow Creek  
 DISTRICT Anthony's Creek COUNTY Greenbrier  
 QUADRANGLE Rucker Gap Va., W.Va. (7.5') Callaghan 15-NC  
 SURFACE OWNER United States of America ACREAGE 27.343  
 OIL & GAS ROYALTY OWNER Savoy Industries, Inc. et al LEASE ACREAGE 40  
 LEASE NO. 509330  
 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 Tuscarora SS ESTIMATED DEPTH 3000-6000'  
 WELL OPERATOR Amoco Production Co. DESIGNATED AGENT M. J. Roof  
 ADDRESS P. O. Box 1350 ADDRESS 128 S. 2nd Street  
Traverse City, MI 49684 Clarksburg, W.VA 26301

DEEP WELL

9/23

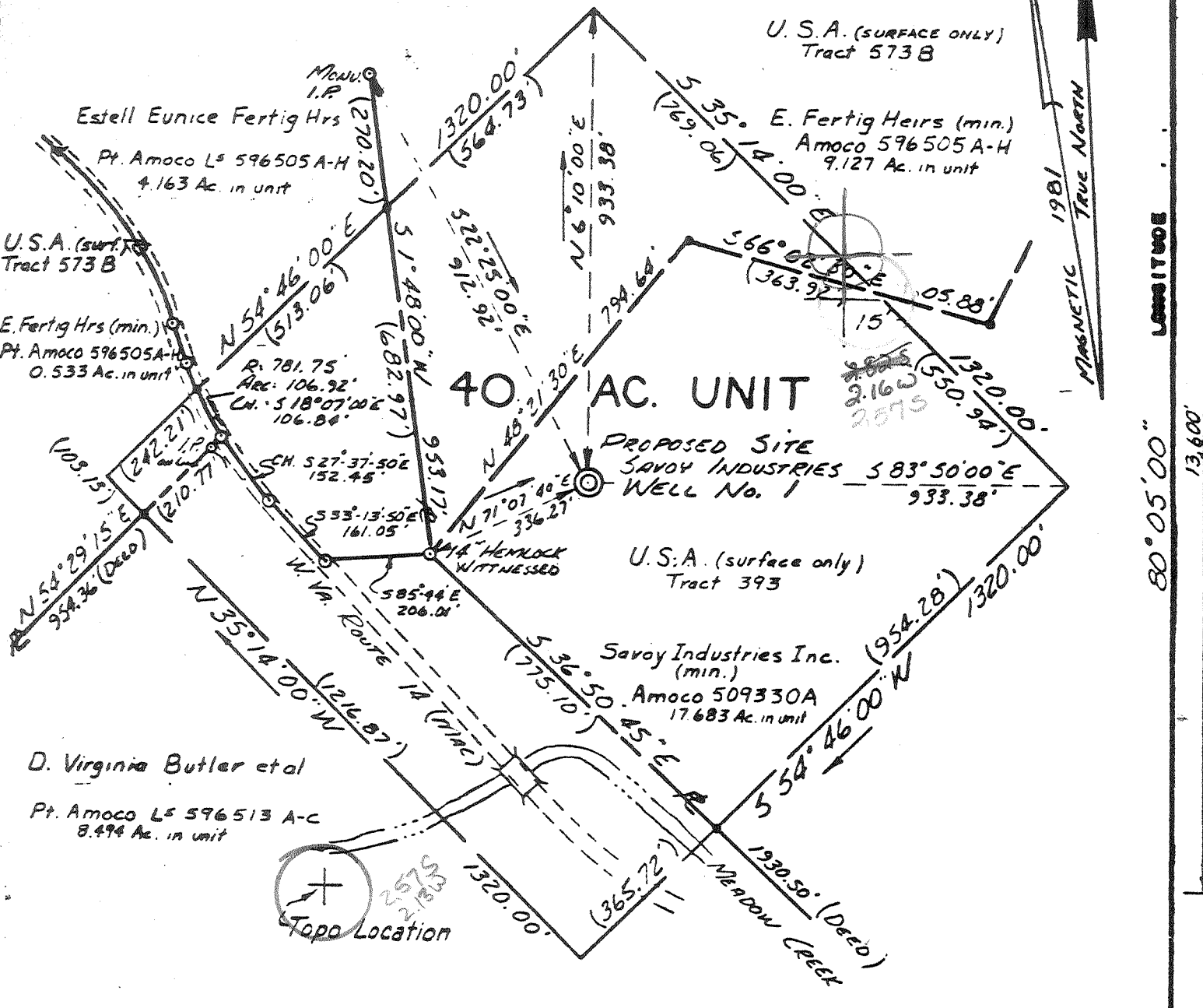
38° 00' 00"

LATITUDE

DECL. 6° 48'

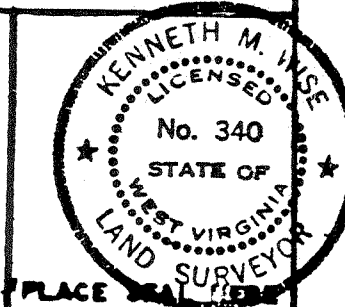
11,200'

Plot Card CSD



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 300'  
 MINIMUM DEGREE OF ACCURACY 1/7000  
 PROVEN SOURCE OF ELEVATION BM 11H "1921" WVA  
 Reset 1946 Elev. 2033.86

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.  
 (SIGNED) Kenneth M. Wise  
 R.P.E. \_\_\_\_\_ L.L.S. NO 340



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



DATE June 1, 1981  
 OPERATOR'S WELL NO 1  
 API WELL NO. 47-025-0024  
 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 2095.13 WATER SHED Meadow Creek  
 DISTRICT Anthony's Creek COUNTY Greenbrier  
 QUADRANGLE Rucker Gap Va., W.Va. (7.5') Calaghan 15' NC  
 SURFACE OWNER United States of America ACREAGE 27.343  
 OIL & GAS ROYALTY OWNER Savoy Industries, Inc. et al LEASE ACREAGE 40  
 LEASE NO. 509330  
 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 Tuscarora SS ESTIMATED DEPTH 3000'  
 WELL OPERATOR Amoco Production Co. DESIGNATED AGENT M. J. Root  
 ADDRESS P. O. Box 1350 ADDRESS 128 S. 2nd Street  
Traverse City, MI 49684 Clarksburg, W. VA 26301

NOV 9 1981

deep well



IV-35  
(Rev 8-81)

Date 2/1/82  
Operator's  
Well No. 1  
Farm Savoy Industries, Inc.  
API No. 47 - 025 - 0024

State of West Virginia  
Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal  /  
(If "Gas," Production  / Underground Storage  / Deep  / Shallow  /)

LOCATION: Elevation: 2095.13 Watershed Meadow Creek  
District: Huntersville County Pocahontas Quadrangle Rucker Gap Virginia,  
Anthony's Creek Greenbrier West Virginia

COMPANY Amoco Production Company  
ADDRESS P. O. Box 1350, Traverse City, MI 49684  
DESIGNATED AGENT M. J. Root, 128 S. 2nd Street  
ADDRESS Clarksburg, WV 26301  
SURFACE OWNER U.S. Forest Service  
ADDRESS P.O. Box 1548, Elkins, WV 26241  
MINERAL RIGHTS OWNER Savoy Industries  
475 Park Ave., South, 19th Floor  
ADDRESS New York, New York 10016  
OIL AND GAS INSPECTOR FOR THIS WORK Craig  
Duckworth ADDRESS Mt. Lookout, WV 26678  
PERMIT ISSUED 9/29/81  
DRILLING COMMENCED 12/4/81  
DRILLING COMPLETED 1/22/82  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON 1/21/82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size <u>28-16</u> Cord.	<u>86'</u>	<u>86'</u>	
<u>13-10"</u>	<u>1036'</u>	<u>1036'</u>	<u>1036' to</u> <u>Surface</u>
<u>9 5/8</u>			
<u>8 5/8</u>			
<u>7</u>	<b>RECEIVED</b>		
<u>5 1/2</u>	<u>FEB 8 - 1982</u>		
<u>4 1/2</u>	<b>OIL AND GAS DIVISION</b> <b>WV DEPARTMENT OF MINES</b>		
<u>3</u>			
<u>2</u>			
Liners used			

GEOLOGICAL TARGET FORMATION Tuscarora SS Depth 6000 feet  
Depth of completed well \_\_\_\_\_ feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh \_\_\_\_\_ feet; Salt \_\_\_\_\_ feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Dry Hole Pay zone depth \_\_\_\_\_ feet  
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 measurement) after \_\_\_\_\_ hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

DETAILS OF PERFORMED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Samples not described			0	90	
Sh-Lt. med gray-Tr. calc.			90	590	
Sltst-Lt. med gr-Mod. calc.			590	645	
Sh-md-drk gray-Slty.			645	820	
Sh-brn gry-occ. Fos. Frag.			820	860	
Sh-med-drk gray-Slty.			860	1130	Marcellas
LS-brn gry-chrty-inc. Sh.			1130	1200	Onondoga
Sh-med-drk gry-Tr. Calc.			1200	1234	Huntersville
SS-Wht-lt gry-Int.grain			1234	1310	Oriskany SS.
LS-crsn bf-Tr. SS incr.			1310	1360	Helderberg LS
SS-lt gr.-int. grains			1360	1370	
LS w/chert layers mixed-lt gry- Inc. Sh.			1370	1545	Clifton forge
SS-clr-lt gr-vry fine grains			1545	1700	
LS-wht- tr. Sltst.			1700	1820	
LS w/layers Sh & incr. SS-calc-gr.			1820	1885	
SS w/layers LS-Tr. Sh-lt.drk gray			1885	1985	
LS-lt. drk gry-Tr. Slt.			1985	2155	
SS-wt-lt. gr-Tr. Slt.			2155	2160	
LS-lt. dr gry-Abt. calc.			2160	2265	
Sh-Sltst-LS-Layers intermixed			2265	2305	
LS-Lt. med gray-mod ang.			2305	2450	
Sh-wt-lt gry-for-md grains			2450	2485	
LS-md gry-gry brn-occ. chert			2485	2565	
Mixed layers Sh.-LS-Tr. Sh.			2565	2705	
LS-md-drk gr-gr br.-Tr. SS.			2705	3100	
LS-Lt-md gr-Tr. Sh.			3100	3250	
LS-Lt-md gray-Tr. dolo			3250	3400	
LS-incr SS. to 30%-lt md gry.			3400	3450	
35% LS. 40% Cht. 25% SS			3450	3550	
LS. Tr. Sh. Tr. SS.			3550	3610	Silurian McKenzie?

(Attach separate sheets as necessary)

Amoco Production Company  
Well Operator

By: J. F. Trickett  
Date: February 1, 1982

J. F. Trickett  
Dist. Supt.

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

(Obverse)

(Revised 3-81)



Farm  
API #47 - 025 - 0024-REDRILL  
Date January 19, 1982

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep X / Shallow \_\_\_ /

LOCATION: Elevation: 2095.13 Watershed: Meadow Creek  
District: Anthony's Creek County: Greenbrier Quadrangle: Rucker Gap Va, W. Va.

WELL OPERATOR Amoco Production Company  
Address P. O. Box 1350  
Traverse City, MI 49684

DESIGNATED AGENT Mr. MJ Root  
Address 128 S. Second Street  
Clarksburg, W VA 26301

OIL AND GAS ROYALTY OWNER Savoy Industries, Inc.  
Address 475 Park Avenue South  
19th Floor, New York, NY 10016  
Acreage 40

COAL OPERATOR  
Address

SURFACE OWNER United States of America  
Address c/o US Forest Ser., USDA  
P.O. Box 1548  
Elkins, WV 26241  
Acreage 27,343

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME Savoy Industries, Inc.  
Address 475 Park Avenue South  
19th Floor, New York, NY 10016

FIELD SALE (IF MADE) TO:  
NAME  
Address

NAME  
Address

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME  
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Craig Duckworth  
Address P. O. Box 454  
Mt. Lookout, WV 26678  
Telephone 872-6165

**RECEIVED**  
JAN 26 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease \_\_\_ / other contract \_\_\_ / dated \_\_\_\_, 19\_\_, to the undersigned well operator from \_\_\_\_\_ (see attached).

(If said deed, lease, or other contract has been recorded:)  
Recorded on \_\_\_\_, 19\_\_, in the office of the Clerk of County Commission of \_\_\_\_\_ County, West Virginia, in \_\_\_\_\_ Book at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill \_\_\_ / Drill Deeper X / Redrill XXX / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

BLANKET BOND

Amoco Production Company  
Well Operator  
By: J.F. Trickett J. F. Trickett  
Its: District Superintendent

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Smith Drilling Company

Address P. O. Box 150  
Lawrenceville, Michigan 62439

GEOLOGICAL TARGET FORMATION Tuscarora SS  
Estimated depth of completed well 3,000 6,000 feet. Rotary X / Cable tools     /  
Approximate water strata depths: Fresh,     feet; salt,     feet.  
Approximate coal seam depths:      
Is coal being mined in this area: Yes     / No X /

CASING AND TUBING PROGRAM "REVISED"

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	16"	PE/BFW	62-1/2	X		0-1000'	60'	CPR	Kinds
Fresh water									
Coal									Sizes
<del>XXXXXXXXX</del> SUR.	9-5/8"	K-55	36#	X		1000-3400'	1000-3000'	CPR	
Production	4-1/2"	N-80	11.6	X		6000'	6000'	1000'	Depths set
Tubing									
Liners									Perforations: ~ Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 redrill permit. This permit shall expire if operations have not commenced by 9-26 -82.

J. J. Muzey  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator     / owner     / lessee     / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date:    , 19    .

By:    

Its:



STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas x /

(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep x / Shallow \_\_\_ /

LOCATION: Elevation: 2095.13 Watershed: Meadow Creek  
District: Anthony's Creek County: Greenbrier Quadrangle: Rucker Gap Va, W. Va.

WELL OPERATOR Amoco Production Company  
Address P. O. Box 1350  
Traverse City, MI 49684

DESIGNATED AGENT Mr. MJ Root  
Address 128 S. Second Street  
Clarksburg, W VA 26301

OIL AND GAS  
ROYALTY OWNER Savoy Industries, Inc.  
Address 475 Park Avenue South  
19th Floor, New York, NY 10016  
Acreage 40

COAL OPERATOR  
Address \_\_\_\_\_

SURFACE OWNER United States of America  
Address c/o US Forest Ser., USDA  
P.O. Box 1548  
Elkins, WV 26241  
Acreage 27,343

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME Savoy Industries, Inc.  
Address 475 Park Avenue South  
19th Floor, New York, NY 10016

NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Craig Duckworth  
Address P. O. Box 454  
Mt. Lookout, WV 26678  
Telephone 872-6165

RECEIVED

JAN 26 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease \_\_\_ / other contract \_\_\_ / dated \_\_\_\_, 19 \_\_\_\_, to the undersigned well operator from \_\_\_\_\_ (see attached).

(If said deed, lease, or other contract has been recorded:)

Recorded on \_\_\_\_, 19 \_\_\_\_, in the office of the Clerk of County Commission of \_\_\_\_\_ County, West Virginia, in \_\_\_\_\_ Book at page \_\_\_\_\_. A permit is requested as follows:

PROPOSED WORK: Drill \_\_\_ / Drill Deeper x / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

BLANKET BOND

Amoco Production Company  
Well Operator  
By: J.F. Trickett J. F. Trickett  
Its: District Superintendent







[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 1 API Well No. 47 - 025 - 0024 State County Permit

WELL TYPE: Oil / Gas X / (If "Gas", Production / Underground storage / Deep X / Shallow X /)

LOCATION: Elevation: 2095.13 Watershed: Meadow Creek District: Anthony's Creek County: Greenbrier Quadrangle: Rucker Gap Va, W.Va

WELL OPERATOR Amoco Production Company Address P. O. Box 1350 Traverse City, MI 49684

DESIGNATED AGENT Mr. M. J. Root Address 128 S. 2nd Street Clarksburg, W.VA 26301

OIL & GAS LOYALTY OWNER Savoy Industries, Inc. Address 42-61 24th St. Long Island City, NY 11101

COAL OPERATOR Address

ACREAGE 40 SURFACE OWNER United States of America Address c/o US Forest Ser., USDA P. O. Box 1548 Elkins, W. Virginia 26241 Acreage 27,343

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Savoy Industries, Inc. Address 42-61 24th Street Long Island City, NY 11101

FIELD SALE (IF MADE) TO: Name Address

Name Address

COAL LESSEE WITH DECLARATION ON RECORD: Name Address

OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace Address Rt 1, Box 65 Sand Ridge, W. VA 25274

RECEIVED SEP 21 1981

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated / 19 / to the undersigned well operator from

If said deed, lease, or other contract has been recorded: recorded on / 19 / in the office of the Clerk of the County Commission of / County, West Virginia, in Book / at page / A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 15 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-2000

Amoco Production Company Well Operator By J.F. Trickett J. F. Trickett District Superintendent

BLANKET BOARD

ACTING SUPERVISOR OF THE DEPARTMENT OF MINES, WEST VIRGINIA  
 ACTING SUPERVISOR OF THE DEPARTMENT OF MINES, WEST VIRGINIA

DRILLING CONTRACTOR (IF KNOWN) Undetermined at this time

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Tuscarora SS

Estimated depth of completed well, 3000 feet Rotary X / Cable tools \_\_\_\_\_

Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.

Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area: Yes \_\_\_\_\_ / No \_\_\_\_\_

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	16"	PE/BFW	62 1/2	X		0-1000'	60'	Cir	Kinds
Fresh water									
Coal									Sizes
<del>Surface</del>	9 5/8	K-55	36#	X		1000'-3400'	1000'	Cir	
Production	4 1/2	N-80	11.6	X			3000'	1000'	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**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 6-29-82.

*J. Murray*  
 Deputy Director of Oil & Gas Division

This permit must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

**W A I V E R**

The undersigned coal operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_  
 Its \_\_\_\_\_

RECEIVED

FORM OG-8

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

FEB 16 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Savoy Industries, Inc.  
COAL OPERATOR OR OWNER  
475 Park Ave. South, 19th Floor  
New York, NY ADDRESS 10016

Amoco Production Company  
NAME OF WELL OPERATOR  
P. O. Box 1350, Traverse City, MI 49684  
COMPLETE ADDRESS

COAL OPERATOR OR OWNER  
ADDRESS

January 21 1982  
WELL AND LOCATION  
Anthony's Creek District

LEASE OR PROPERTY OWNER  
USA

Greenbrier County

c/o U.S. Forest Service, USDA  
P. O. Box 1548  
Elkins, WV 26241  
STATE INSPECTOR SUPERVISING PLUGGING. Craig Duckworth

Well No. 1  
Savoy Industries, Inc. Farm

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Greenbrier } ss:

and Mike High  
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Amoco Production Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 21st day of January, 1982, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
Limestone/Sandstone	Gelled water 3612'-3512'	30 SX Class	9-5/8	1036'
	Gelled water 1156'-1036'	A Cement		
	Gelled water	35 SX Class		
Surface	60'-0'	A Cement		
		22 SX Class		
		A Cement		
COAL SEAMS (NAME)		DESCRIPTION OF MONUMENT		
(NAME)		Pipe welded to casing with Amoco inscription giving date, well name, and permit #.		
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 22nd day of January, 1982.

And further deponents saith not.

Sworn to and subscribed before me this 21st day of January, 1982.

My commission expires:

July 28, 1985

Amoco Production Company  
J. F. Trickett, District Supt.  
Notary Public.  
Permit No. 0024-P

GREENBRIER - 0024 P