

\* CALLS FROM ADJOINING PROPERTY

FILE NO. L+M - GRIMM  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. 829

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) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS 7 1/2'  
 FORM IV-6 (8-78)



DATE JUNE 12, 1980  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-095  
 STATE COUNTY PERMIT 0814-00

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 995 WATER SHED PURSLEY CREEK  
 DISTRICT LINCOLN COUNTY TYLER  
 QUADRANGLE PADEN CITY 7 1/2' NEW MARTINSVILLE  
 SURFACE OWNER DAN GRIMM ACREAGE 92  
 OIL & GAS ROYALTY OWNER DAN GRIMM LEASE ACREAGE 92  
 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) \_\_\_\_\_

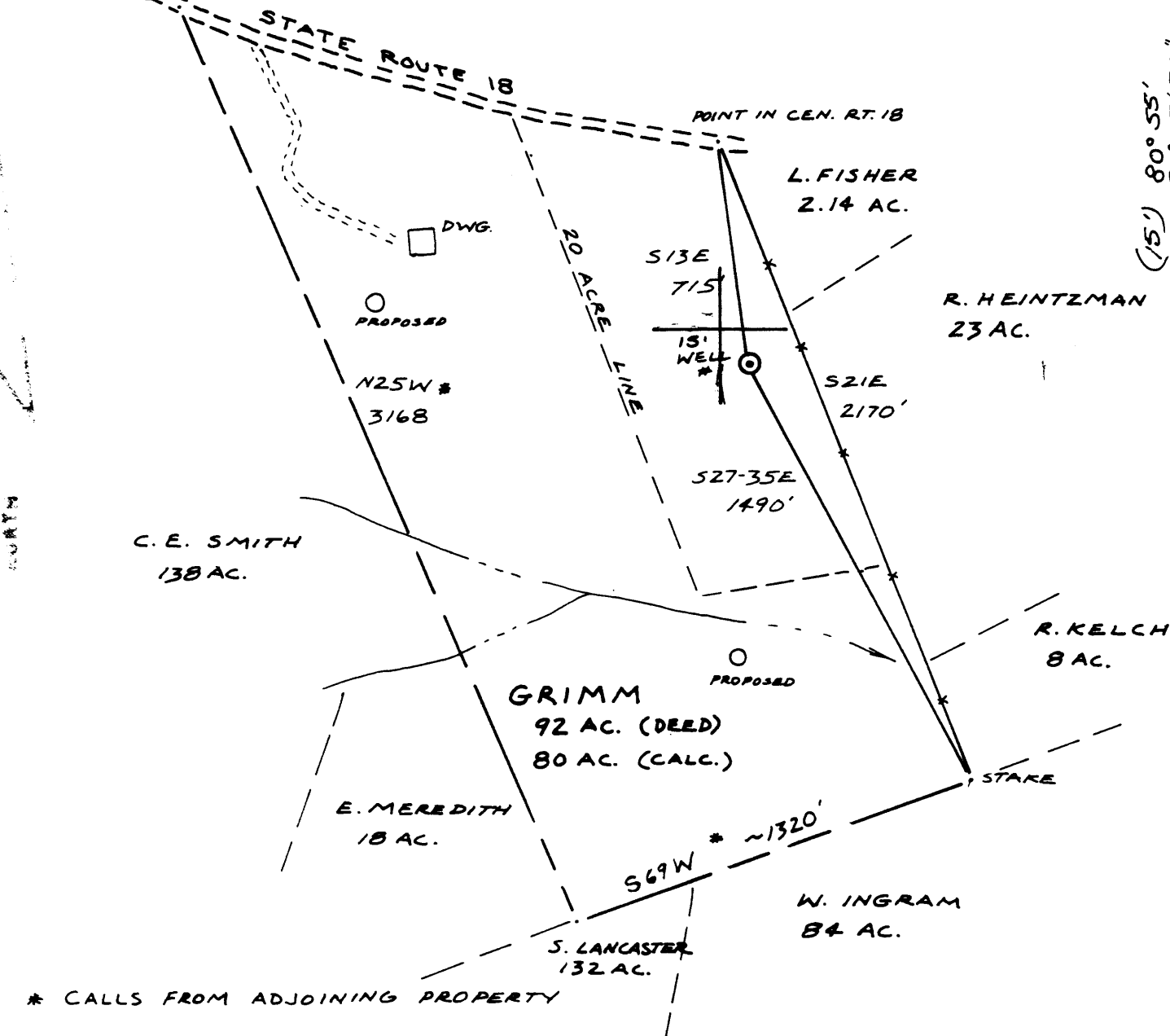
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION DEVONIAN GORDON ESTIMATED DEPTH 2800  
 WELL OPERATOR James F. Deane DESIGNATED AGENT James Deane 25 1985  
 ADDRESS Rt. 1 Box 141 A PO Box 31  
17000 26149 26149

4100' Devonian Shale

Plot Card  CSD

Latitude 39° 32' 30"  
400' SOUTH  
5200' WEST

1 MILE TO SISTERSVILLE



(15) 80° 55'  
80° 57' 30"  
LONGITUDE

\* CALLS FROM ADJOINING PROPERTY

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 (SIGNED) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632

PLACE SEAL HERE

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS 7 1/2' FORM 1-6 (8-78)



DATE JUNE 12, 1980  
 OPERATOR'S WELL NO 1  
 API WELL NO 47 095  
 STATE COUNTY PERMIT 0814-00 Frac

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

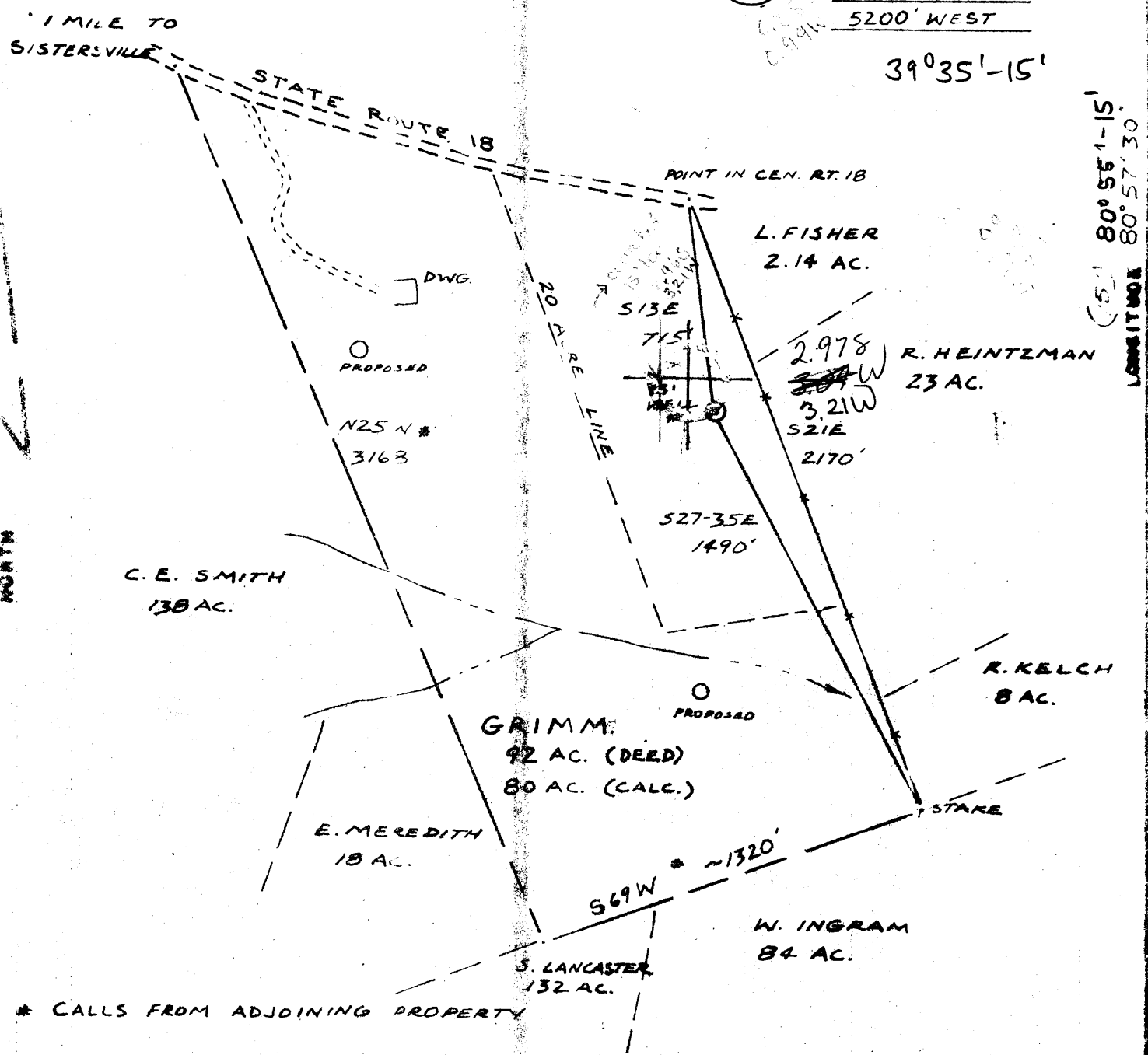
WELL TYPE OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION ELEVATION 995 WATER SHED PURSLEY CREEK  
 DISTRICT LINCOLN COUNTY TYLER  
 QUADRANGLE PADEN CITY 7 1/2' NEWMARTINSVILLE  
 SURFACE OWNER DAN GRIMM ACREAGE 92  
 OIL & GAS ROYALTY OWNER DAN GRIMM LEASE ACREAGE 92  
 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) \_\_\_\_\_

PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION DEVONIAN GORDON ESTIMATED DEPTH 2800  
 WELL OPERATOR S&B Oil Corp. DESIGNATED AGENT James Dean AUG 15 1983  
 ADDRESS Po Box 331 ADDRESS Po Box 31  
Bethany Beach-Delaware 19930 Middlebourne, W.Va. 26149

4100' Devonian shale OWWO 6-0 Sistersville (28)



(15') 39°35' 39°35' 30"  
 400' SOUTH  
 5200' WEST



\* CALLS FROM ADJOINING PROPERTY

FILE NO. L+M - GRIMM  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. 829

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS 7 1/2" FORM IV-B (8-78)



DATE JUNE 12, 19 80  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47 095  
 STATE COUNTY 0814 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 995 WATER SHED PURSBLEY CREEK  
 DISTRICT LINCOLN COUNTY TYLER  
 QUADRANGLE PADEMA CITY 7 1/2' NEWMARTINSVILLE SW  
 SURFACE OWNER DAN GRIMM ACREAGE 92  
 OIL & GAS ROYALTY OWNER DAN GRIMM LEASE ACREAGE 92  
 PROPOSED WORK: DRILL  COMPLET.  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUS OFF-LOG FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION DEVONIAN GORDON ESTIMATED DEPTH 2800  
 WELL OPERATOR L.M. PETROLEUM CO. DESIGNATED AGENT  
 ADDRESS P.O. Box 18B ADDRESS  
MARIETTA, OH



RECEIVED  
NOV 26 1986

WR-35

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

Date Nov. 19, 1986

Operator's  
Well No. Grimm #1

Farm Dan Grimm

API No. 47-095-0814Fra

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1005' Watershed Pursley Creek  
District: Lincoln County Tyler Quadrangle Paden City

COMPANY James F. Doan

ADDRESS Rt 1, Box 141A, Middlebourne, W. V.

DESIGNATED AGENT Doan (Same)

ADDRESS \_\_\_\_\_

SURFACE OWNER Dan Grimm

ADDRESS Sistersville, W. Va.

MINERAL RIGHTS OWNER Same

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK \_\_\_\_\_

B. Lowther ADDRESS Middlebourne, W. V.

PERMIT ISSUED March 14, 1985

DRILLING COMMENCED 5/16/86

DRILLING COMPLETED 5/17/86

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	248	248	to surface
7	Set Plug @ 2892		
5 1/2			
4 1/2		3501	300 Sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth \_\_\_\_\_ feet

Depth of completed well 2892' 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 Gordon Pay zone depth 2786-2806 feet

Gas: Initial open flow 10 Mcf/d Oil: Initial open flow none Bbl/d

Final open flow 5 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure 780# psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation none 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

DEC 1 1986 DEC 1 1986  
(Continue on reverse side)

DETAILS OF PERFORATED 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
Formations listed on Prior Report July 11, 1983					

(Attach separate sheets as necessary)

James F. Bean  
Well Operator

By: James F. Bean  
Date: November 19, 1986

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."



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

This well has not been treated in any zone, this report filed with application to deepen the well.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Big Lime			1720	1804	
Big Injun			1804	1952	
Squaw			1952	1998	
Weir			2234	2268	
Berea			2310	2316	
30'			2634	2648	
Gordon			2786	2806	
Wagren			3384	3414	

(Attach separate sheets as necessary)

S & R OIL CORPORATION  
Well Operator  
By: James F. Doan  
Date: July 11, 1983

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."

**RECEIVED**

MAR 03 1985



1) Date: February 10, 19 85  
 2) Operator's Grimm # 1  
 Well No. \_\_\_\_\_  
 3) A Well No. 47 - 095 - 0814 - FRAC  
 State County Permit

STATE OF WEST VIRGINIA  
 OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION  
**DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil XX / Gas XX /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)  
 5) LOCATION: Elevation: 1005' Watershed: Pursley Creek  
 District: Lincoln County: Tyler Quadrangle: Paden City  
 6) WELL OPERATOR James F. Doan 13825 7) DESIGNATED AGENT James F. Doan  
 Address Rt. 1 Box 141 A Address Same  
Middlebourne, W. Va.  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name \_\_\_\_\_  
 Address Middlebourne, W. Va. Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation xxx and fracture  
 Other physical change in well (specify) \_\_\_\_\_  
Gordon
- 11) GEOLOGICAL TARGET FORMATION, \_\_\_\_\_  
 12) Estimated depth of completed well, Set Plug @ 2892' feet  
 13) Approximate strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No XXXX
- 15) 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										Kinds
Fresh water	<u>8 5/8</u>						<u>248'</u>	<u>to surface</u>		Sizes
Coal										Depths set
Intermediate										Perforations:
Production	<u>4 1/2</u>						<u>3501'</u>	<u>300 Sacks</u>		Top Bottom
Tubing										
Liners										

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-095-0814-FRAC Date March 14, 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires March 14, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>SH</u>	<u>SW</u>	<u>MU</u>	<u>MU</u>	<u>675</u>

*Margaret J. Hass*  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

*Handwritten signature*  
JUN 30 1980

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES  
OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 26, 1980  
Company L & M Petroleum Co.  
Address Rt. #1, Box 18-8, Marietta, OH  
Farm Dan Grimm Acres 92  
Location (waters) Pursley Creek  
Well No. 1 Elevation 995  
District Lincoln County Tyler  
Quadrangle Paden City 7 1/2°

Surface Owner Dan Grimm  
Address Rt. #2, Sistersville, WV 26175  
Mineral Owner Dan Grimm  
Address same as above  
Coal Owner Dan Grimm  
Address same as above  
Coal Operator N/A  
Address \_\_\_\_\_

S PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,  
the W. Va. Code, the location is hereby approved  
drilling. This permit shall expire if  
operations have not commenced by 3-2-81.

INSPECTOR  
TO BE NOTIFIED Phillip Lee Tracy  
ADDRESS Middlebourn, WV 26149  
PHONE 758-4573

*Phillip Lee Tracy*  
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 December 21 1979 by Dan R. & Kathleen E. Grimm made to Loren E. Bagley and recorded on the 18 day of Jan. 1980 in Tyler County, Book 223 Page 104  
 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

Very truly yours, L & M Petroleum, Co.  
(Sign Name) *[Signature]*  
Well Operator

Rt. #1, Box 18-8  
Street  
Marietta  
City or Town  
Ohio  
State

457500  
BLANKET BOND

\*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.

47-095-814

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 *[Signature]*





1) Date: July 11, 1983  
 2) Operator's Well No. SR 3  
 3) API Well No. 47 095-0814 --DN  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

DRILLING CONTRACTOR:

S & R Oil Corp

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

Gathany Beach, Delaware

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil XX / Gas XX /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 1005' Watershed: a Pursley Creek  
 District: Lincoln County: Tyler Quadrangle: Green City 7'
- 6) WELL OPERATOR S & R Oil Corporation  
 Address P. O. Box 331  
Gathany Beach, Delaware
- 7) OIL & GAS ROYALTY OWNER Dan Grimm  
 Address Sisteraville, W. Va.  
 Acreage 92
- 8) SURFACE OWNER Dan Grimm  
 Address Sisteraville, W. Va.  
 Acreage \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name John L. ...  
 Address Midlothian, W. Va.
- 11) DESIGNATED AGENT James F. ...  
 Address Midlothian, W. Va.
- 12) COAL OPERATOR \_\_\_\_\_  
 Address \_\_\_\_\_
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 14) COAL LESSEE WITH DECLARATION ON RECORD:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 15) PROPOSED WORK: Drill \_\_\_\_\_ / Drill deeper XX / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_ /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 17) Estimated depth of completed well, 4100' feet
- 18) Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.
- 19) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No \_\_\_\_\_

20) 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										Kinds
Fresh water	<u>8 5/8</u>			<u>XX</u>			<u>248'</u>	<u>to surface</u>		Sizes
Coal										
Intermediate										
Production	<u>4 1/2</u>	<u>J-55</u>		<u>XX</u>		<u>3501'd</u>	<u>3501'</u>	<u>to top</u>		Depths set
Tubing										
Liners					<u>k</u>					Perforations: Top Bottom

- 21) EXTRACTION RIGHTS  
 Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.) Lead Book 2, 3, 4, 11, 14
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) 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.

Notary: \_\_\_\_\_ Signed: \_\_\_\_\_  
 My Commission Expires \_\_\_\_\_ Its: 1983

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-0814-DN Date April 3, 1983

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires April 3, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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 dwelling within 200 feet of the proposed well.
- 24) **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.**

.....

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.

**WAIVER**

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 \_\_\_\_\_