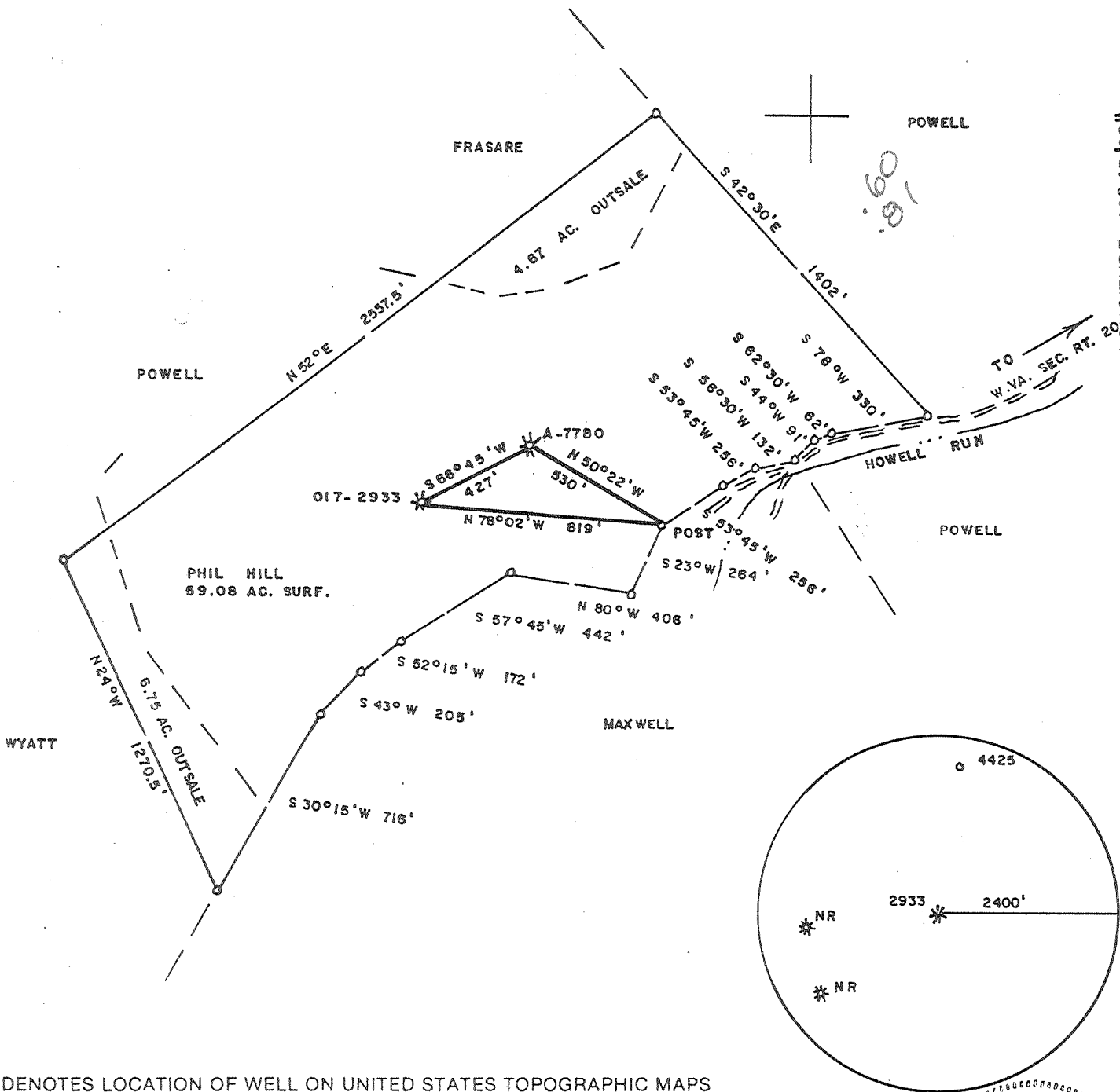


**LEMLEY LEASE 66.87 AC.**

4300' W  
LATITUDE 39°20'00"

LONGITUDE 80°45'00"

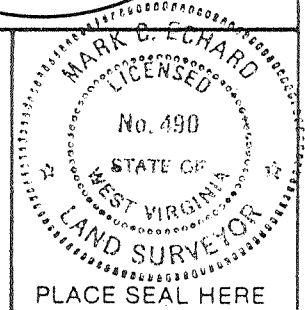
NORTH



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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB N. of LOC.  
ELEV. = 1408'

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) Mark C. Echard  
R.P.E. \_\_\_\_\_ L.L.S. 490



STATE OF WEST VIRGINIA  
Division of Environmental Protection  
OFFICE OF OIL AND GAS

DATE JULY 23, 2001  
OPERATOR'S WELL NO. LEMLEY NO. 1  
API WELL NO. 47-017-2933 - F

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1075 WATERSHED HOWELL RUN  
DISTRICT GRANT COUNTY DODDRIDGE  
QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER PHIL HILL ACREAGE 59.08  
OIL & GAS ROYALTY OWNER LEMLEY & SMITH LEASE ACREAGE 66.87  
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 GORDON ESTIMATED DEPTH 3000'  
WELL OPERATOR CLOUSER WELL SERVICE DESIGNATED AGENT JOHN CLOUSER  
ADDRESS ROUTE 3 SALEM, WV 26426 ADDRESS ROUTE 3 SALEM, WV 26426

COUNTY NAME  
PERMIT

(Smithburg - Front Sedalia Field)

DEC 29 01

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

*M 14*

Well Operators Report of Well Work

Farm name: Lemley/Smith Operator Well #: Lemley #1  
Location: Elevation: 1,180 Quadrangle: Smithburg 7.5'

District: Gretna County: Doddridge  
Latitude: 3,150 feet south of 39 Deg. 20 Min. 00 Sec.  
Longitude: 4,300 feet west of 80 Deg. 45 Min. 00 Sec.

Company: Clowser Well Service  
Route 3  
Salem WV 26426

Agent:	John Clowser	Casing	Used in Drilling	Left in Well	Cement Fill up
Inspector:	Mike Underwood				
Permit Issued:	12-21-01	11 3/4	25	25	existing
Well Work Commenced:	01-30-02				
Well Work Completed:	01-30-02	8 5/8	1504	1504	existing
Verbal Plugging					
Permission granted on:		4 1/2	5510	5439	existing
Rotary ___ Cable ___ Rig					
Total Depth (ft)	5439'				
Fresh water depth (ft)	N/A				
Salt water depth (ft)	N/A				
Is coal being mined in are (Y/N)	N				
Coal depths (ft)	N/A				

OPEN FLOW DATA

Producing formation	Riley	Pay zone depths (ft)	4810-5060
Gas: Initial open flow	show mcf/d	Oil: Initial open flow	bbls/day
Final open flow	119 mcf/d	Final open flow	bbls/day
Time of open flow between initial and final tests			48 Hours
Static rock pressure	260# psig (surface pressure)	after	48 Hours

Other producing formation		Pay zone depths (ft)	
Gas: Initial open flow	* mcf/day	Oil: Initial open flow	bbls/day
Final open flow	* mcf/day	Final open flow	bbls/day
Time of open flow between initial and final tests			48 Hours
Static rock pressure	psig (surface pressure)	after	48 Hours

\* = commingled zones

For: Clowser Well Service

By: *[Signature]*  
Date: 02-25-02

MAR 21 2002

0000 2933

Lemley Smith #1  
02-02-02

Rework behind pipe zone

Stimulation

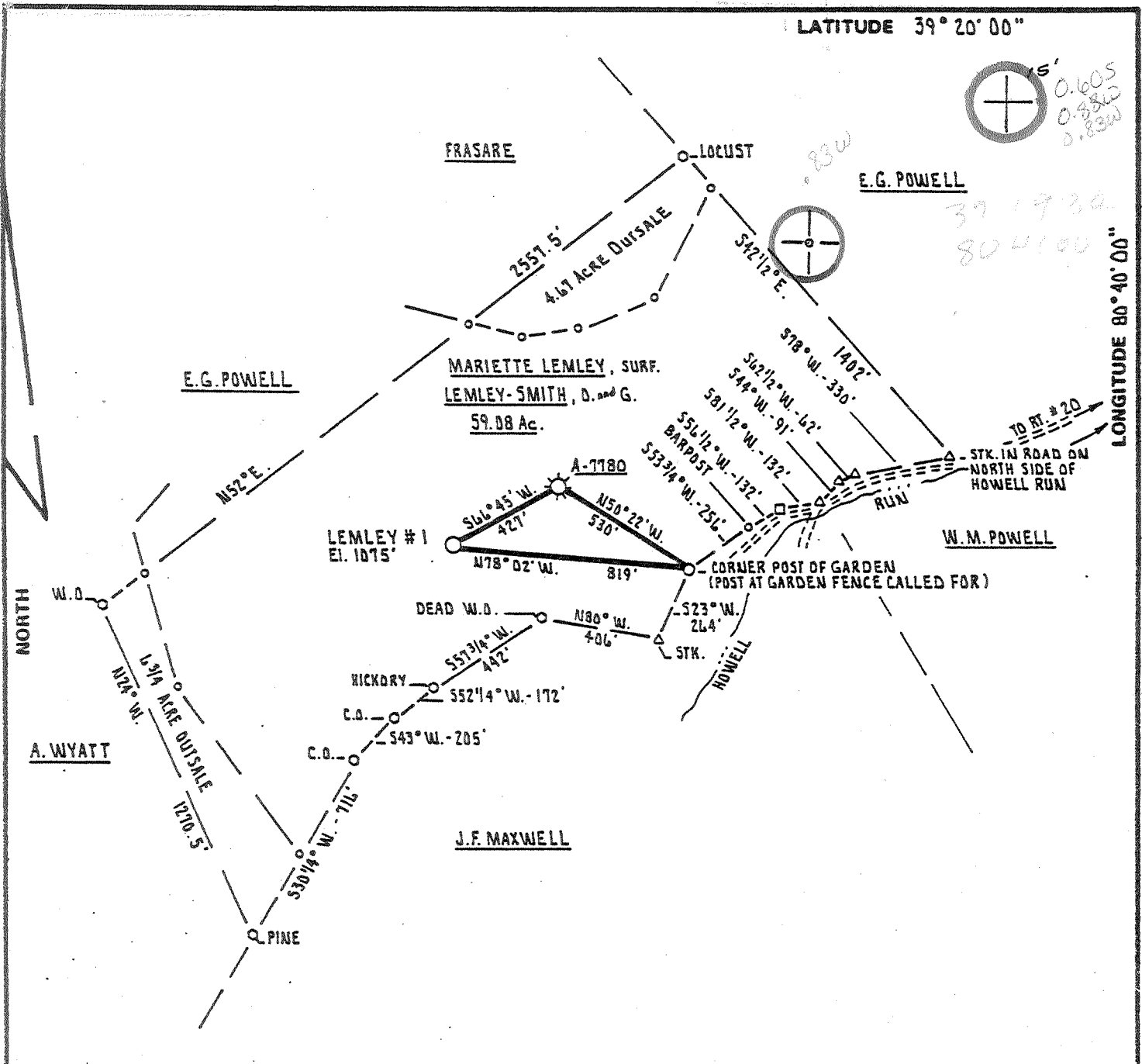
Stage #1	perfs	sand	avg rate	isip
Riley	4806-5060	200 sks	16pm	3073#

Drillers Log

Electric Log Tops

For drillers log see original OG 10

LATITUDE 39° 20' 00"



FILE NO. D.E. 4-49 RH  
 DRAWING NO. VAR. D  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION HIGH POINT OF ELEVATION 1950' NE OF LOCATION  
 ELEVATION 1408'

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) Samuel B. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



DATE DECEMBER 30<sup>TH</sup>, 19 80  
 OPERATOR'S WELL NO. LEMLEY #1  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2933  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1075' WATER SHED HOWELL RUN  
 DISTRICT GRANT COUNTY ODDRIDGE  
 QUADRANGLE SMITHBURG 7.5' (Corner Point 15' SW)  
 SURFACE OWNER MARIETTE LEMLEY ACREAGE 59.08 OF 66.87 Ac.  
 OIL & GAS ROYALTY OWNER LEMLEY - SMITH LEASE ACREAGE 66.87 Ac.

PROPOSED WORK: DRILL X 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 5400'  
 WELL OPERATOR MERT DEVELOPMENT, INC. DESIGNATED AGENT MERT DEVELOPMENT, INC.  
 ADDRESS RT. # 8 BOX 336 AA FAIRMONT, WEST VIRGINIA 26554 ADDRESS RT. # 8 BOX 336 AA FAIRMONT, WEST VIRGINIA 26554

6-6 Smithton-Flint-Jedalia (99)

JAN 26 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

**RECORDED**

JUL - 6 1981

OIL & GAS DIVISION  
DEPT. OF MINES

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle Smithburg 7.5'

Permit No. 47-017-2933

Company MERT Development, Inc.  
Address R8-B336-AA, Fairmont, W. Va. 26554  
Farm Lemley Acres 59  
Location (waters) Howell Run  
Well No. One Elev. 1075'  
District Grant County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Marriette Lemley

Mineral rights are owned by Lemley-Smith  
Address \_\_\_\_\_

Drilling Commenced \_\_\_\_\_  
Drilling Completed May 4, 1981  
Initial open flow 76 cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond.			
<del>13-10"</del> <u>11 3/4"</u>	25	25	CTS
9 5/8			
8 5/8	1504	1504	CTS
7			
5 1/2			
4 1/2		5520	2100
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated Alexander with 18 holes - 5333-5404 18 holes, Frac with 200 SKS 80/100, 400 SKS 20/40, 84 Gal 15N, 30 Gal Cla Sta, 300# Citric, 2000# KCL, 1,500 Gal 28%.

Coal was encountered at Not Encountered Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 60' - 1/2" Feet \_\_\_\_\_ Salt Water 1180' - 1" Feet \_\_\_\_\_  
Producing Sand Alexander Depth 5333 - 5404

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		
Sh/Sd			5	380		
R/R			380	405		
Sd/Sh			405	1120		
RR			1120	1150		
Shale			1150	1925		
Lime			1925	2050		
Sh			2050	2080		
Sd			2080	2115		
Shale			2115	2225		
Sand			2225	2355		
Shale			2355	2880		
Sand			2880	2900		
Shale			2900	5040	Gas ✓	3653 - 1 1/2 H <sub>2</sub> O
Sand			5040	5060		
Shale			5060	5523		
TD				5523	Gas ✓	5510 40/10 - 1 1/2 H <sub>2</sub> O

JUL 20 1981

(over)

\* Indicates Electric Log tops in the remarks section.  
ac

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date June 24, 19 81

APPROVED MERT Development, Inc. Owner

By [Signature] Geologist

(Title)

OIL AND GAS WELL PERMIT APPLICATION

Date: December 30, '80  
Farm  
Name: Lemley #1  
API No. 47 - 017-2933  
State County Perm

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

LOCATION: Elevation: \_\_\_\_\_ Watershed: \_\_\_\_\_

District: Grant County: Doddridge Quadrangle: Smithburg

WELL OPERATOR Mert Development, Inc. DESIGNATED AGENT Jerry Poling  
Address Route 8 - Box 336-AA Address Route 8 - Box 336-AA  
Fairmont, West Virginia 26554 Fairmont, W. Va. 26554

LAND & GAS  
PROPERTY OWNER Lemley & Smith  
Address Bridgeport  
West Virginia

COAL OPERATOR None  
Address \_\_\_\_\_

ACREAGE 59  
SURFACE OWNER Mariette Lemley  
Address Howers Run  
West Virginia

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
**RECEIVED**  
DEC 31 1980

DEED SALE (IF MADE) TO:  
Name Consolidated Gas Supply Corp.  
Address Clarksburg  
West Virginia

Name \_\_\_\_\_  
Address OIL & GAS DIVISION  
DEPT. OF MINES

LAND AND GAS INSPECTOR TO BE NOTIFIED:  
Name Paul Garrett

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

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated April 16, 1980, to the undersigned well operator from S & K Land Company (said deed, lease or other contract has been recorded.)

Recorded on May 22, 1980, in the office of the Clerk of the County Commission of \_\_\_\_\_ County, West Virginia, in Lease Book 115, at page 110. 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 Department. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed 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:  
OFFICE OF OIL AND GAS  
5 Washington Street, East  
Charleston, West Virginia 25311

BLANKET BOND  
Jerry Poling  
Well Operator

By: \_\_\_\_\_

**PROPOSED WORK ORDER**

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

SELLING CONTRACTOR (IF KNOWN) S. W. Jack  
Address Buckhannon  
West Virginia

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5400 feet Rotary X / Cable tools      /

Approximate water strata depths: Fresh, 95 feet; salt, 1420 feet.

Approximate coal seam depths:      Is coal being mined in the area? Yes      / No XX /

**LOGGING AND TUBING PROGRAM**

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4			X		30	30	CTS Kinds
								Sizes
Intermediate	8 5/8		23.0	X		1480	1480	CTS
Production	4 1/2		10.5	X		5360	5360	2500 all up depths set
	1 1/2		2.5	X			5280	
								Perforations:
								Top Bottom


Regulation 7.02 of the Department of Mine provides that the original and four copies of Form IV-3 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 11, 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 25, (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 § 22-4-6a from the owner of any water well or dwelling within 100 feet of the proposed well.

A separate Form IV-8 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-8 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

Drilling This permit shall expire if operations have not commenced by 9-8-81

  
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 regulations.

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