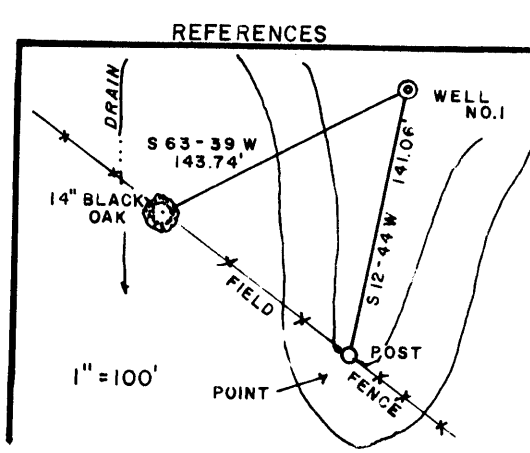
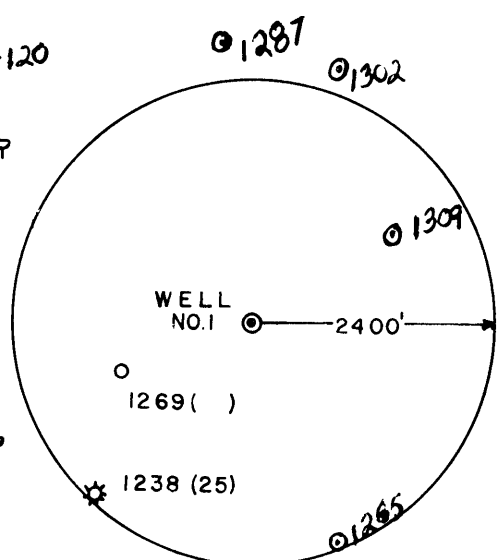
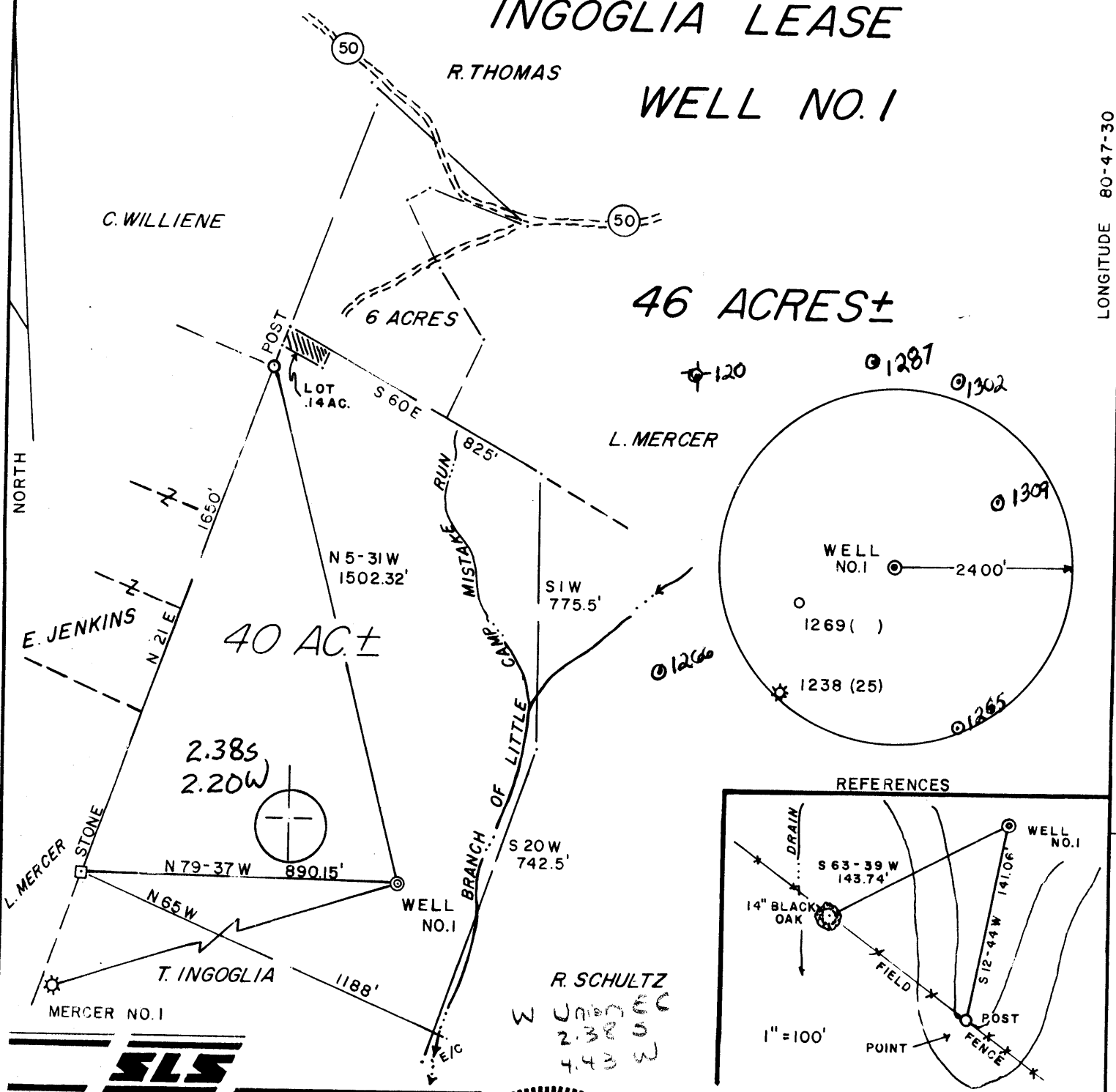


*Jamie 11/1/89*

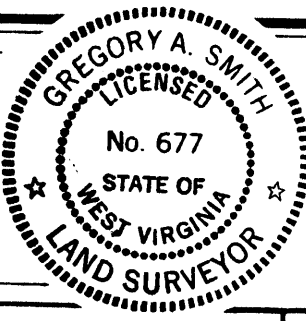
# INGOGLIA LEASE

## WELL NO. 1



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.

L.L.S. Gregory A. Smith  
677



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

DATE JULY 14, 19 89

OPERATORS WELL NO. INGOGLIA NO. 1


API WELL NO. 47 - 095 - 1338

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2114 (29-51)

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS 1097' SCALE 1" = 400'

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 949' ✓ all 7.5' tops WATERSHED LITTLE CAMP MISTAKE RUN DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5'

SURFACE OWNER TIMOTHY N. INGOGLIA et ux ACREAGE 46

ROYALTY OWNER TIMOTHY N. INGOGLIA et al. LEASE ACREAGE 46

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BENSON ESTIMATED DEPTH 5300'

WELL OPERATOR ANVIL OIL CO., INC. 048 DESIGNATED AGENT JUSTIN HENDERSON

ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554 - 1230 ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554 - 1230

NOV 03 1989

**RECEIVED**  
Division of Energy

APR 30 90  
Permitting  
Oil and Gas Section

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

Well Operator's Report of Well Work

Farm name: INGOGLIA, TIMOTHY N. Operator Well No.: INGOGLIA #1

LOCATION: Elevation: 949.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 12640 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 11670 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: ANVIL OIL CO., INC.  
P. O. BOX 1230  
FAIRMONT, WV 26554-1230

Agent: JUSTIN L. HENDERSON

Inspector: GLEN P. ROBINSON  
Permit Issued: 11/01/89  
Well work Commenced: 11/9/89  
Well work Completed: 11/15/89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5045.  
Fresh water depths (ft) 470.

Salt water depths (ft) 1205.

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.
11-3/4	131.30	131.30	60 sks
8-5/8	1801.50	1801.50	405 sks
4-1/2	5008.	5008.	435 sks

RFK  
(via DOE)

5018

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5014-5018  
Gas: Initial open flow smell MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl.  
Final open flow 600 MCF/d Final open flow \_\_\_\_\_ Bbl.  
Time of open flow between initial and final tests 4 Hou  
Static rock Pressure 1600 psig (surface pressure) after 48 Hou

Second producing formation Riley Pay zone depth (ft) 4371-4615  
Gas: Initial open flow smell MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl.  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl.  
Time of open flow between initial and final tests \_\_\_\_\_ Hou  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hou

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORAT INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WE LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATION INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

MAY 04 1990

For: ANVIL OIL CO., INC.


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

Well treated as follows

Benson perforated from \_\_\_\_\_ with \_\_\_\_\_ holes. Fracked with \_\_\_\_\_ sks sand, \_\_\_\_\_ bbls treated fluid, Aug rate \_\_\_\_\_ bpm, Aug psi

Riley perforated from \_\_\_\_\_ with \_\_\_\_\_ holes. Fracked with \_\_\_\_\_ sks sand \_\_\_\_\_ bbls treated fluid, Aug rate \_\_\_\_\_ bbls pm, Aug psi

Electric log tops

Big Lime-----1775'  
Berea-----2390'  
Riley-----4472'  
Benson-----4894'  
TD  5045'

RR 0-----15  
Sand 15-----21  
RR 21-----25  
Sand & Shale 25-----30  
RR 30-----35  
Sand 35-----41  
RR 41-----50  
Shale & RR 50-----139  
Shale 139-----211  
RR 211-----222  
Shale 222-----236  
Sand & Shale 236-----287  
Shale & RR 287-----320  
Coal 320-----325  
Shale & RR 325-----373  
Sand & Shale 373-----595  
Coal 595-----600  
Sand 600-----651  
Coal 651-----656  
RR & Shale 656-----764  
Shale 864-----820  
RR 820-----895  
Shale 895-----957  
Sand & Shale 957-----1060  
Shale 1060-----1143  
Sand 1143-----1175  
RR 1175-----1205  
Sand 1205-----1240  
Coal 1240-----1263  
Sand 1263-----1310  
Shale 1310-----1356  
Sand 1356-----1389  
Coal 1389-----1396  
Shale 1396-----1476  
Sand 1476-----1515  
Shale & RR 1515-----1540  
Shale 1540-----1601

hole wet 470

Salt water 1205

MAY 04 1990

9800



Page 1 of  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: 7-18-89  
2) Operator's well number  
Ingoglia #1  
3) API Well No: 47 - 095 - 1338  
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 Timothy N. Ingoglia  
Address 7621 Bagley Avenue  
Baltimore, MD 21232  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Glen P. Robinson  
Address Route 1  
Mineral Wells, WV 26150  
Telephone (304)-\_\_\_\_\_

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

\_\_\_\_\_ 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 Anvil Oil Co., Inc.  
By: Justin L. Henderson  
Its: President  
Address P.O. Box 1230  
Fairmont, WV 26554-1230  
Telephone (304) 363-1362

Subscribed and sworn before me this 31st day of October, 19 89

[Signature]  
My commission expires 7/8/90 Notary Public

095-1338

Issued 11/1/89 Expired 11/1/91

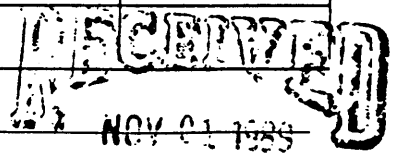
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Anvil Oil Company, Inc. <sup>0097</sup> 2275 (1) 606
- 2) Operator's Well Number: Ingolia Well No. 1 3) Elevation: 949'
- 4) Well type: (a) Oil    / or Gas X /  
(b) If Gas: Production X / Underground Storage    /  
Deep    / Shallow X /
- 5) Proposed Target Formation(s): Benson - 15
- 6) Proposed Total Depth: 5300 feet
- 7) Approximate fresh water strata depths: 35' 374'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: Assault, Benson, C620-621 N/A
- 10) Does land contain coal seams tributary to active mine? Yes    / No X /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"			120'	120'	CTS.
Fresh Water	8-5/8"			1670'	1670'	By Rule 38 CSR 18-11.3 <u>BECSPR-11.2.2</u>
Coal						
Intermediate						
Production	4-1/2"			5300'	5300'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_



For Division of Oil and Gas Use Only

DIVISION OF OIL AND GAS  
DEPARTMENT OF ENERGY

2546  
29 | Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket One  Agent  
(Type)