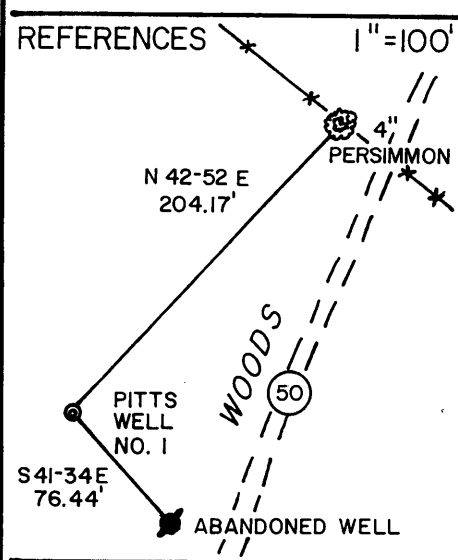
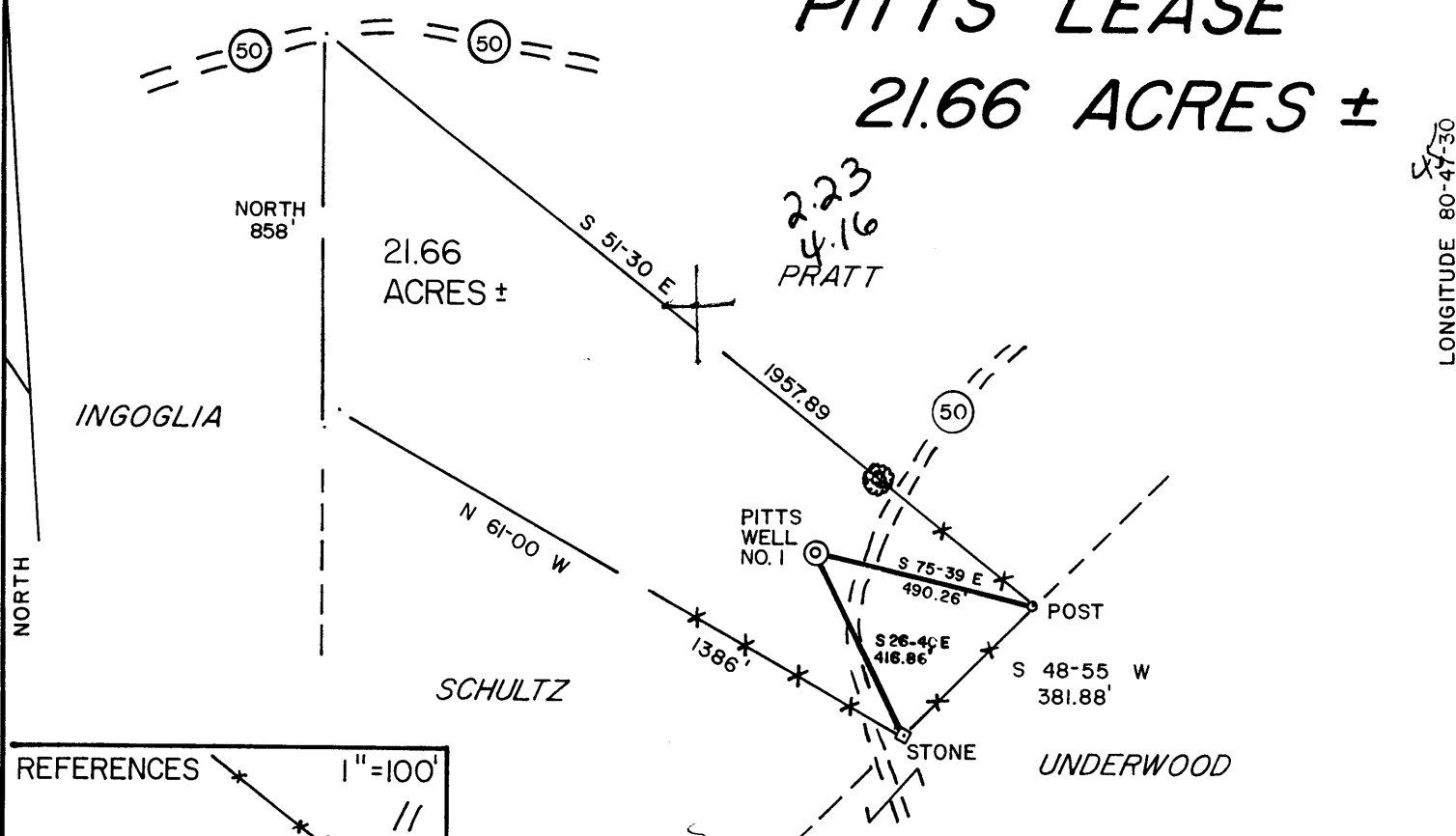
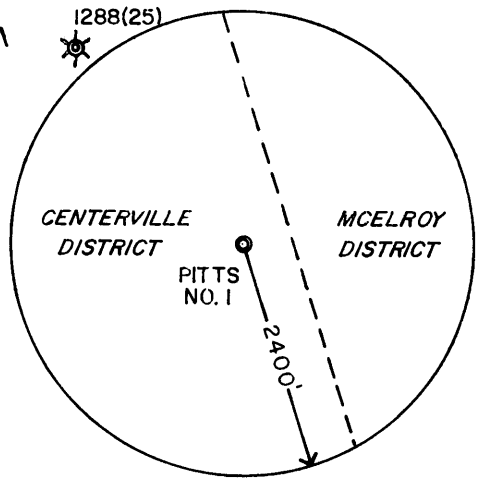


*Janie 7/13/89*

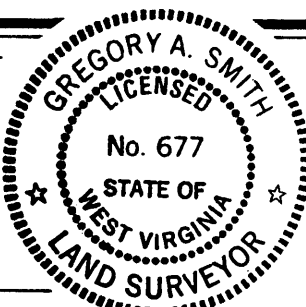
# PITTS LEASE 21.66 ACRES ±



*2.235  
1.92 W*  
**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 JUNE 23, 19 89  
OPERATORS WELL NO. PITTS NO. 1  
API WELL NO. 47 - 095 - 1309  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2096 (28-21)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS - ELEVATION 1097' SCALE 1" = 400'

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



WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ "GAS" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1070' WATERSHED LITTLE CAMP MISTAKE RUN West Union EC  
DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE SHIRLEY 7.5 607  
SURFACE OWNER LAWRENCE MERCER HIERS C/O F.L. MERCER ACREAGE 21.66 133  
ROYALTY OWNER LAWRENCE MERCER HIERS, ETAL LEASE ACREAGE 21.66 6  
PROPOSED WORK: LEASE NO. \_\_\_\_\_  
DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X 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 5400' **JUL 14 1989**

WELL OPERATOR ANVIL OIL CO. INC. DESIGNATED AGENT JUSTIN HENDERSON  
ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554 48 ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554

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

Well Operator's Report of Well Work

Farm name: MERCER, LAWRENCE HEIRS Operator Well No.: PITTS #1

LOCATION: Elevation: 1070.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 11800 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 10180 Feet West of 80 Deg. 47 Min. 30 Sec.

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

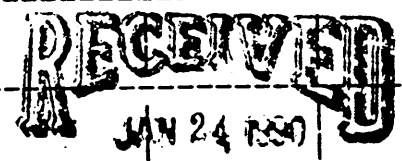
Agent: JUSTIN L. HENDERSON

Inspector: GLEN P. ROBINSON  
Permit Issued: 07/12/89  
Well work Commenced: 7/21/89  
Well work Completed: 7/31/89  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 5143  
Fresh water depths (ft) 30'

Salt water depths (ft) \_\_\_\_\_

Is coal being mined in area (Y/N)?  
Coal Depths (ft): n/a

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4	127.45	127.45	60 sks
8-5/8	1945.70	1945.70	410 sks
4-1/2	5143.00	5128.00	280 sks



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5018  
 Gas: Initial open flow smell MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 720 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) 4370  
 Gas: Initial open flow smell 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 4 Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after 48 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: ANVIL OIL CO., INC.

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

FEB 02 1990

Well treated as follows:

Benson perforated from 5020 with 14 holes, fracked with 350 sks sand,  
400 bbls treated fluid, Aug rate 23 bpm, Aug psi 2332

Riley perforated from 4605 with 14 holes, fracked with 250 sks sand,  
250 bbls treated fluid, Aug. rate 21 bbls pm. Aug psi 3046

Electric log tops:

Big Lims-----1940  
Berea-----2518  
Riley-----  
Benson-----4922

sand/shale	0-----10
rr	10-----20
shale	20-----35
sand	35-----40
shale/rr	40-----140
rr/shale	140-----190
shale/sand	190-----226
rr/shale	226-----230
coal	230-----237
shale	237-----246
sand	246-----304
coal	304-----308
shale	308-----348
shale	348-----353
coal	353-----379
rr	379-----404
shale/sand	404-----550
rr/shale	550-----720
sand	720-----737
rr	737-----820
sand/shale	820-----1070
rr/shale	1070-----1150
shale	1150-----1235
sand/shale	1235-----1518
coal	1518-----1523
sand/shale	1523-----5169

hole wet 120'

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JAN 24 1990

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

47-095-1309

Issued 7/12/89 Expires 7/12

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

- 1) Well Operator: Anvil Oil Company, Inc. *2275, 1, 606*
- 2) Operator's Well Number: Pitts Well No. 1 3) Elevation: 1070'
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): Benson 430
- 6) Proposed Total Depth: 5400 feet
- 7) Approximate fresh water strata depths: 307, 345, 110'
- 8) Approximate salt water depths: 1508 N/A
- 9) Approximate coal seam depths: 700' - 709' 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	
<i>6/30/89</i> Conductor	11-3/4"			120'	120'	CTS.
Fresh Water	8-5/8"		23	1930'	<i>CS</i> 1930'	By Rule 38 CSR 18-11.3 <i>(38CSR-11.2.2)</i>
Coal						
Intermediate						
Production	4-1/2"		10.5	5400'	5400'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

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

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

*2496*  
*15*  
Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket sure  Agent  
(Type)

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

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: 7-10-89  
Operator's well number  
Pitts #1  
API Well No: 47 - 095 - 1309  
State - County - Permit

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

- |   |  |
|---|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Lawrence Mercer Heirs-F.L. Mercer</u><br/>Address <u>15777 Highland Dr.</u><br/><u>E. Liverpool, OH 43920</u></p> <p>(b) Name _____<br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____<br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration<br/>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration<br/>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Glen P. Robinson</u><br/>Address <u>Route 1</u><br/><u>Mineral Wells, WV 26150</u><br/>Telephone (304)- _____</p>  |  |

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 10<sup>th</sup> day of July, 1989

James S. Henderson Notary Public

My commission expires 7/21/90