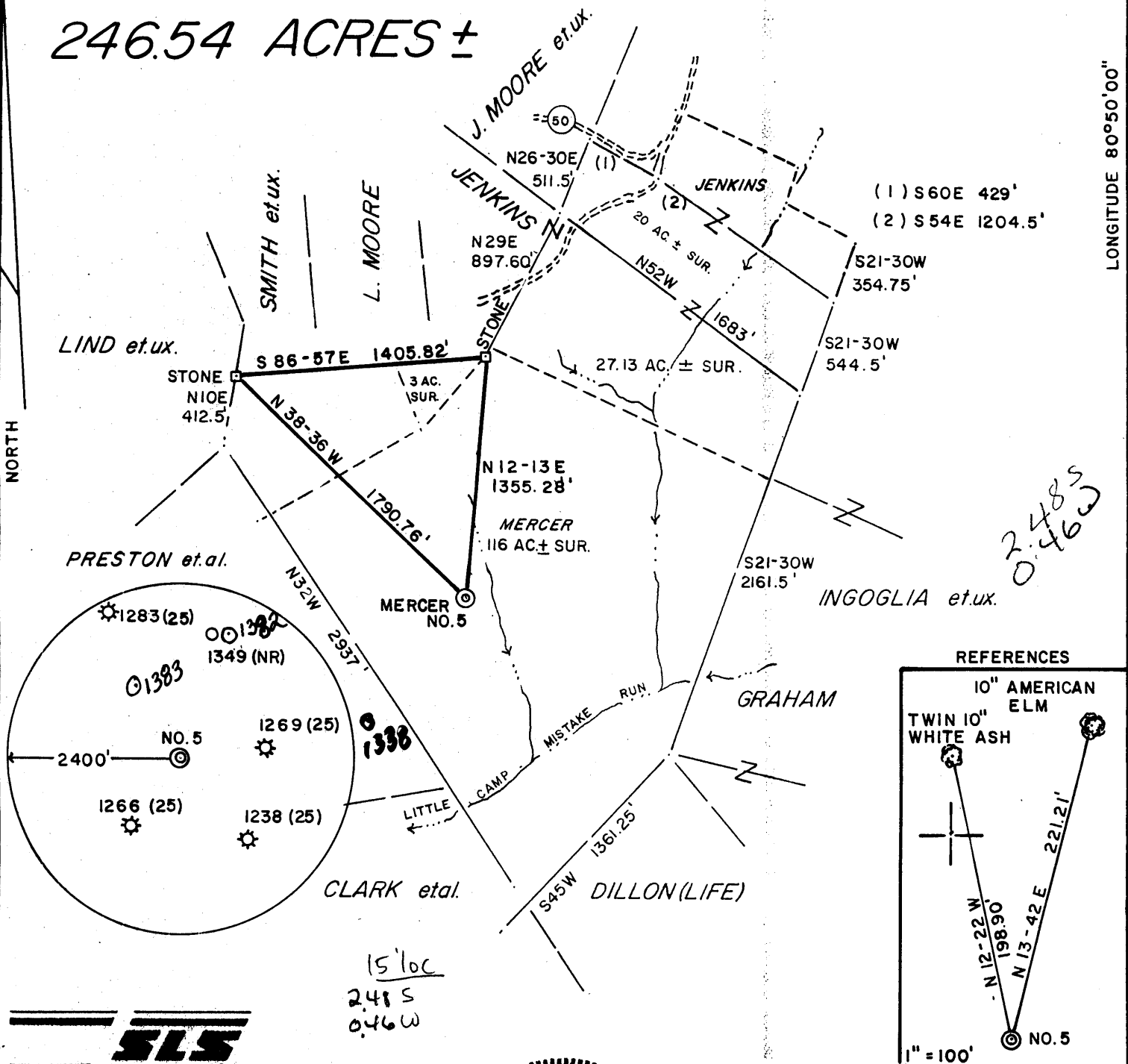


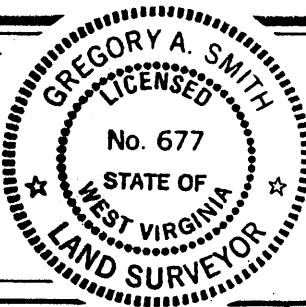
Janice 9/4/90

# MERCER LEASE 246.54 ACRES ±

# WELL NO. 5



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. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MAY 30, 1990  
 OPERATORS WELL NO. MERCER NO. 5  
 API WELL NO. 47 - 095 - 1428  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1878(24-62)(26-3,4,5)  
 PROVEN SOURCE OF ELEVATION B. M. ELEV. 734' SCALE 1" = 800'

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 893' WATERSHED LITTLE CAMP MISTAKE RUN OF MIDDLE ISLAND CREEK  
 DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5'

SURFACE OWNER LAWRENCE MERCER HRS. ACREAGE 116 W. Union C  
 ROYALTY OWNER LAWRENCE MERCER HRS. et al. LEASE ACREAGE 116 OF 246.54

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 5100'

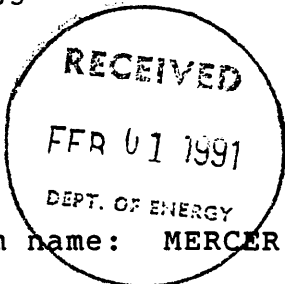
WELL OPERATOR ANVIL OIL CO., INC. DESIGNATED AGENT JUSTIN HENDERSON  
 ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554-1230 ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554-1230

SEP 10 1990

6-6 Wilbur (092)

S/S

COUNTY NAME PERMIT



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

Well Operator's Report of Well Work

Farm name: MERCER, FRANKLIN L. Operator Well No.: MERCER 5

LOCATION: Elevation: 893.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 13250 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 2500 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: ANVIL OIL CO., INC.  
2099 PLEASANT VALLEY ROAD  
FAIRMONT, WV 26554-1230

Agent: JUSTIN L. HENDERSON

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/06/90  
Well work Commenced: 10/09/90  
Well work Completed: 10/18/90  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) \_\_\_\_\_  
Fresh water depths (ft) 53' 90'

Salt water depths (ft) NONE

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): NONE

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
113/4	127'	127'	127' 77ft 3
8 5/8	1752	1752	1752 460ft3
4 1/2		4956	2486' 300ft3

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4836-40  
Gas: Initial open flow 50 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 640 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1600 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
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 pressure) after \_\_\_\_\_ 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: [Signature]  
Date: 11/30/91

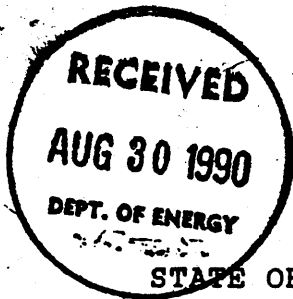
Perforated 4836-4840 with 14 (.39) holes.  
Fractured with 520 BBLs of sand laden fluid- 45,000 # sand  
120,000 SCF N2 fluid- 45,000# sand - 120,000 Scf N2

Mercer #5

Log top and Formation Information

Sand and shale , red rock	0' to 1721'	
Little Lime	1721' to 1735'	H2O at 53' and 90'
Big lime and Injun	1735' to 1884'	
Sand and shale	1884' to 4408"	Gas shows
Riley	4408' to 4450'	1883'
Sand and shale	4450' to 4800'	2005'
Benson	4800' to 4850'	2506'
Sand and shale	4850' to 5002'	4846'
TD	5002"	





1) Date: 6-8-90  
 2) Operator's well number  
     Mercer #5  
 3) API Well No: 47 - 095 - 1428  
     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 Franklin L. Mercer  
 Address 15777 Highland Dr.  
East Liverpool, OH 43920  
 (b) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 5) (a) Coal Operator:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (b) Coal Owner(s) with Declaration  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Coal Lessee with Declaration  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 6) Inspector Glen Robinson  
 Address Route 1  
Mineral Wells, WV 26150  
 Telephone (304)- \_\_\_\_\_

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 & Gas Co., Inc.  
 By: Justin L. Henderson  
 Its: President  
 Address P.O. Box 1230  
Fairmont, WV 26555-1230  
 Telephone 304 363 1362

Subscribed and sworn before me this 28<sup>th</sup> day of August, 1990

My commission expires 7/8/2000

Notary Public