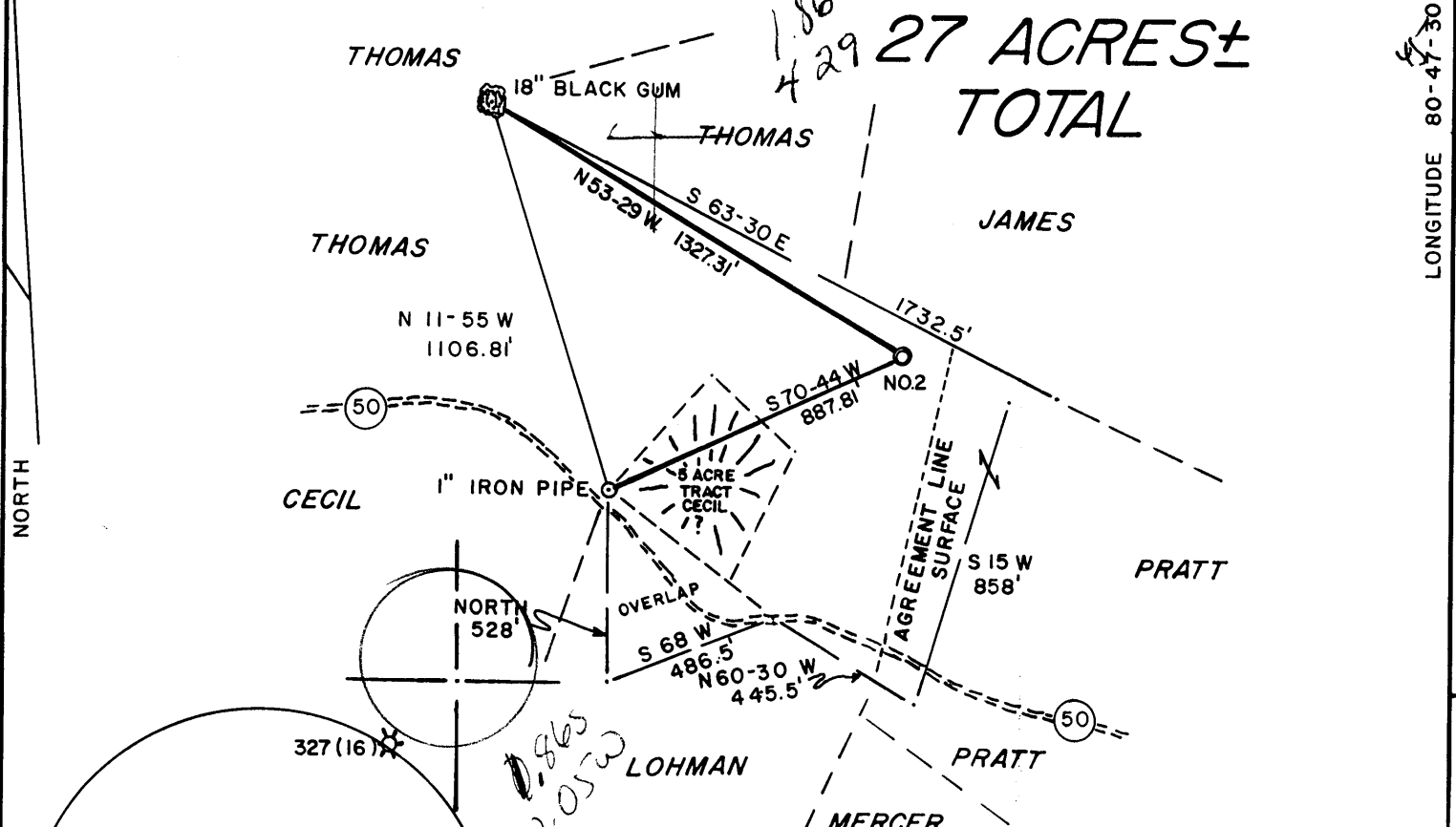


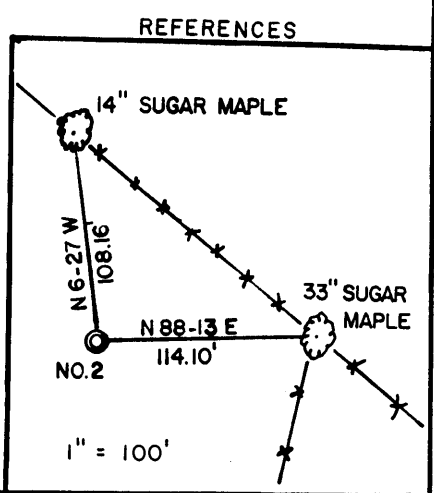
Jimie 6/27/89

THOMAS LEASE

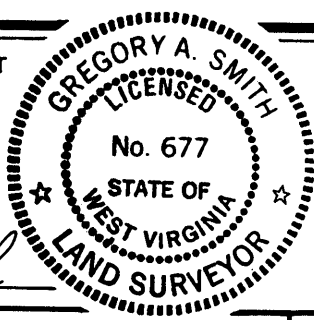
*1.86
4.29* 27 ACRES±
TOTAL



WELL NO. 2



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 JUNE 24, 19 89
 OPERATORS WELL NO. THOMAS NO.2
 API WELL NO. 47 - 095 - 1302
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2095 (28-20)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 1097' SCALE 1" = 500'

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 1072' WATERSHED JEFFERSON RUN DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' 607
 SURFACE OWNER ROBERT P. & NAOMI S. THOMAS ACREAGE 27 133
 ROYALTY OWNER ROBERT P. & NAOMI S. THOMAS et. al. LEASE ACREAGE 27 6
 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 5390' JUN 30 1989

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

575

LONGITUDE 80-47-30
9940

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: THOMAS, ROBERT & NAOMI Operator Well No.: THOMAS #2

LOCATION: Elevation: 1072.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 9940 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 10830 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: 06/27/89
Well work Commenced: 7/6/89
Well work Completed: 7/13/89
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5169
Fresh water depths (ft) 120'

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	13090	13090	65 sks
8-5/8	1955	1955	430 sks
4-1/2	5169	5106	276 sks

RECEIVED
JAN 24 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) _____
 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) _____
 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 5014 with 019 holes, fracked with 14 sks sand, 425 bbls treated fluid, Aug rate 22 bpm, Aug psi 2350

Riley perforated from 4371 with 14 holes, fracked with 250 sks sand, 350 bbls treated fluid, Aug. rate 18 bbls pm. Aug psi 2350

Electric log tops

Big Lime	1910	sand	3309-----4308
Berea	2513	sand/shale	4308-----5040
Riley	5016	Benson	5040-----5048
Benson		sand/shale	5048-----5143

fill	0-----10
shale	10-----20
rr/shale	20-----30
sand/shale	30-----35
sand	35-----79
sand	79-----143
sand/shale/rr	143-----200
sand/shale	200-----812
shale	812-----827
sand/shale	827-----938
rr/shale	938-----962
sand	962-----1095
sand	1095-----1112
sand/shale	1112-----1174
sand	1174-----1188
sand/shale	1188-----1243
sand	1243-----1258
sand/shale	1258-----1295
sand	1295-----1355
shale	1355-----1370
sand	1370-----1408
shale	1408-----1444
sand	1444-----1505
shale/sand	1505-----1602
sand	1602-----1625
sand/shale	1625-----1652
rr/shale	1652-----1687
sand/shale	1687-----1901
shale	1901-----1909
lime	1909-----1920
shale/sand	1920-----1939
B. Lime	1939-----2003
Kenner	2003-----2015
B. Injun	2015-----2040
sand	2040-----2950
sand/shale	2950-----3309

RECEIVED
JAN 24 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

H 509

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: Thomas Well No. 2 3) Elevation: 1072'
4) Well type: (a) Oil / or Gas X / (b) If Gas: Production X / Underground Storage / Deep / Shallow X /
5) Proposed Target Formation(s): Benson
6) Proposed Total Depth: 5300' feet
7) Approximate fresh water strata depths: 85'
8) Approximate salt water depths: N/A
9) Approximate coal seam depths: 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

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

9054

PACKERS : Kind Sizes Depths set

2491

For Division of Oil and Gas Use Only Fee(s) paid: Well Work Permit Reclamation Fund WPCP Plat WW-9 WW-28 Bond Agent (Type) Jull

1) Date: 6-26-89
2) Operator's well number
Thomas #2
3) API Well No: 47 - 095 - 1302
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>Robert & Naomi Thomas</u>
Address <u>Box 118, Ross Run Road</u>
<u>Wilbur, WV 26459</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____
Address _____</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____
Address _____</p> |
| <p>6) Inspector <u>Glen P. Robinson</u>
Address <u>Route 1</u>
<u>Mineral Wells, WV 26150</u>
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 *Justin L. Henderson*
Its: President
Address P.O. Box 1230
Fairmont, WV 26554-1230
Telephone (304) 363-1262

Subscribed and sworn before me this 26th day of JUNE, 1989

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