

# THOMAS LEASE

*Jamie 7/7/89*  
**WELL NO. 3**

STONE AT 3-WAY FENCE  
N19-04 E 195.86'

FISHER  
EAST END OF ROCK LEDGE  
N 59 W 282.56'  
32" SUGAR MAPLE

SMITH

**44.725 AC. ±**

18" BLACK GUM

28.4 AC. ± RESERVATION

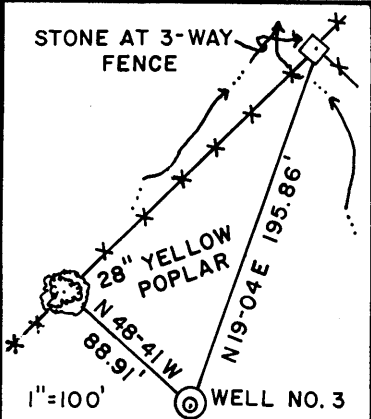
JAMES

THOMAS

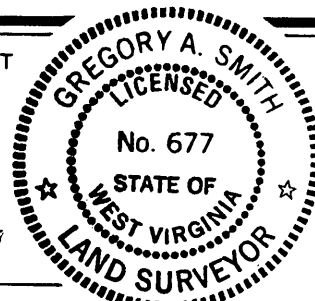
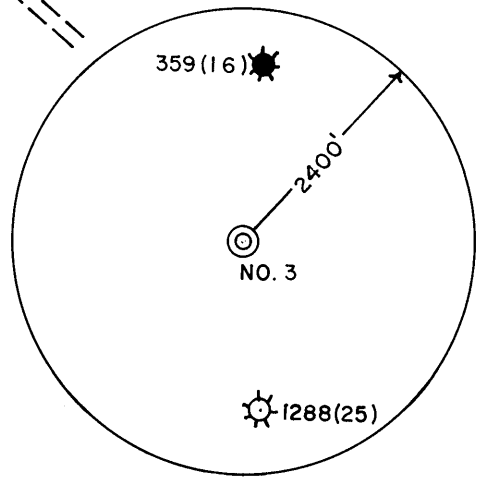
MOORE

CECIL

### REFERENCES



**73.125 AC. ± TOTAL**



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 1, 19 89

OPERATORS WELL NO. THOMAS NO. 3

API WELL NO. 47-095-1306  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2036 (28-26)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1164' SCALE 1"=500'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



WELL TYPE: OIL \_\_\_ GAS X LIQUID WASTE "IF" PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 901' WATERSHED BRANCH OF JEFFERSON RUN West Union C  
 DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' 607  
 SURFACE OWNER ROBERT P. & NAOMI S. THOMAS ACREAGE 73.125 133  
 ROYALTY OWNER ROBERT P. & NAOMI S. THOMAS LEASE ACREAGE 44.725 OF 73.125 5  
 PROPOSED WORK: 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 5300'

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

**JUL 14 1989**

*6-6 Wilbur (092)*

575

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 #3

LOCATION: Elevation: 901.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER  
Latitude: 7830 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 710 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: JUSTIN L. HENDERSON

Inspector: GLEN P. ROBINSON  
Permit Issued: 07/10/89  
Well work Commenced: 7/18/89  
Well work Completed: 7/25/89  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5009  
Fresh water depths (ft) 144'

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	129.10	129.10	65 sks
8-5/8	1819.75	1819.75	375 sks
4-1/2	5009.00	4916.00	280 sks

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JAN 24 1990

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow small 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 4 Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after 48 Hours

Second producing formation Riley 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 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

090, 127

Well treated as follows                      Untreated Natural Flow

Benson perforated from 4790-4805 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----- 1781  
Berea----- 2300  
Riley----- 4370  
Benson----- 4795

rr	o-----20		b. lime	1725-----4790
sand	20-----25		benson	4790-----4805
shale	25-----30		sh	4805-----
rr	30-----41	wet 40		
sh/rr	41-----108			
coal	108-----110			
sd/sh	110-----120			
rr	120-----131			
sd/sh	131-----135			
sh	135-----143	wet 140		
rr	143-----148			
sd/sh	148-----182	wet 165 (salt)		
rr	182-----194			
sd/sh	194-----201			
rr	201-----240			
sd/sh	240-----420			
sand	420-----525			
rr/sh	525-----750			
sd/sh	750-----795			
sd/sh	795-----1136			
sand	1136-----1400			
sh	1400-----1689			
lime	1689-----1725			

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DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

9/84

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

- 1) Well Operator: Anvil Oil Company, Incorporated 2275 (1) 606
- 2) Operator's Well Number: Thomas Well No. 3 3) Elevation: 901'
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage  /  
 Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5300' feet
- 7) Approximate fresh water strata depths: 138', 176', 60', 206', 368', 440'
- 8) Approximate salt water depths: 1667', 1688' N/A 1918', 318'
- 9) Approximate coal seam depths: 826'-831', 8473' N/A 505', 583', 515'  
*Blossoms*
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 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' 4 joints	CTS.
Fresh Water	8-5/8"		23	1763'	1763'	By Rule 38 CSR 18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"		10.5	5300'	5300'	By Rule 38 CSR 18-11.1
Tubing						
Liners						

*AS Per M. Underwood request*

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

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 JUL 07 1989

For Division of Oil and Gas Use Only      DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

Fee(s) paid:  Well Work Permit     Reclamation Fund     WPCP  
 Plat     WW-9     WW-2B     Bond Blanket Sure     Agent

*2495  
 15*

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

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: June 26, 1989  
Operator's well number  
Thomas #3  
API Well No: 47 - 095 - 1306  
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 Robert Thomas & Naomi Thomas
  - Address Box 118, Ross Run Road  
Wilbur, WV 26459
  - (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)-489-9162

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

xxx 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:

- XX 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: [Signature]  
Its: President  
Address P.O. Box 1230 Fairmont WV

Telephone 304-363-1362

Subscribed and sworn before me this 7th day of July, 1989

My commission expires 7/8/90

Notary Public