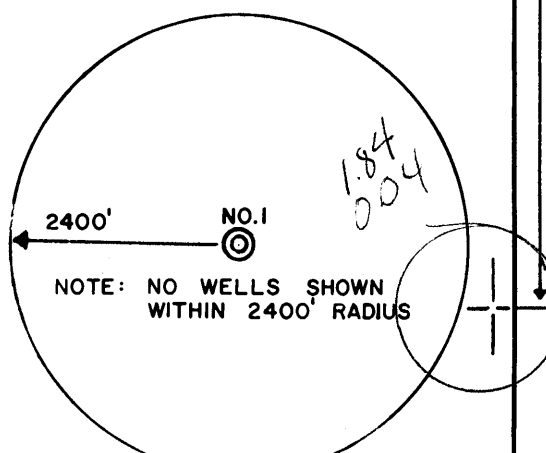
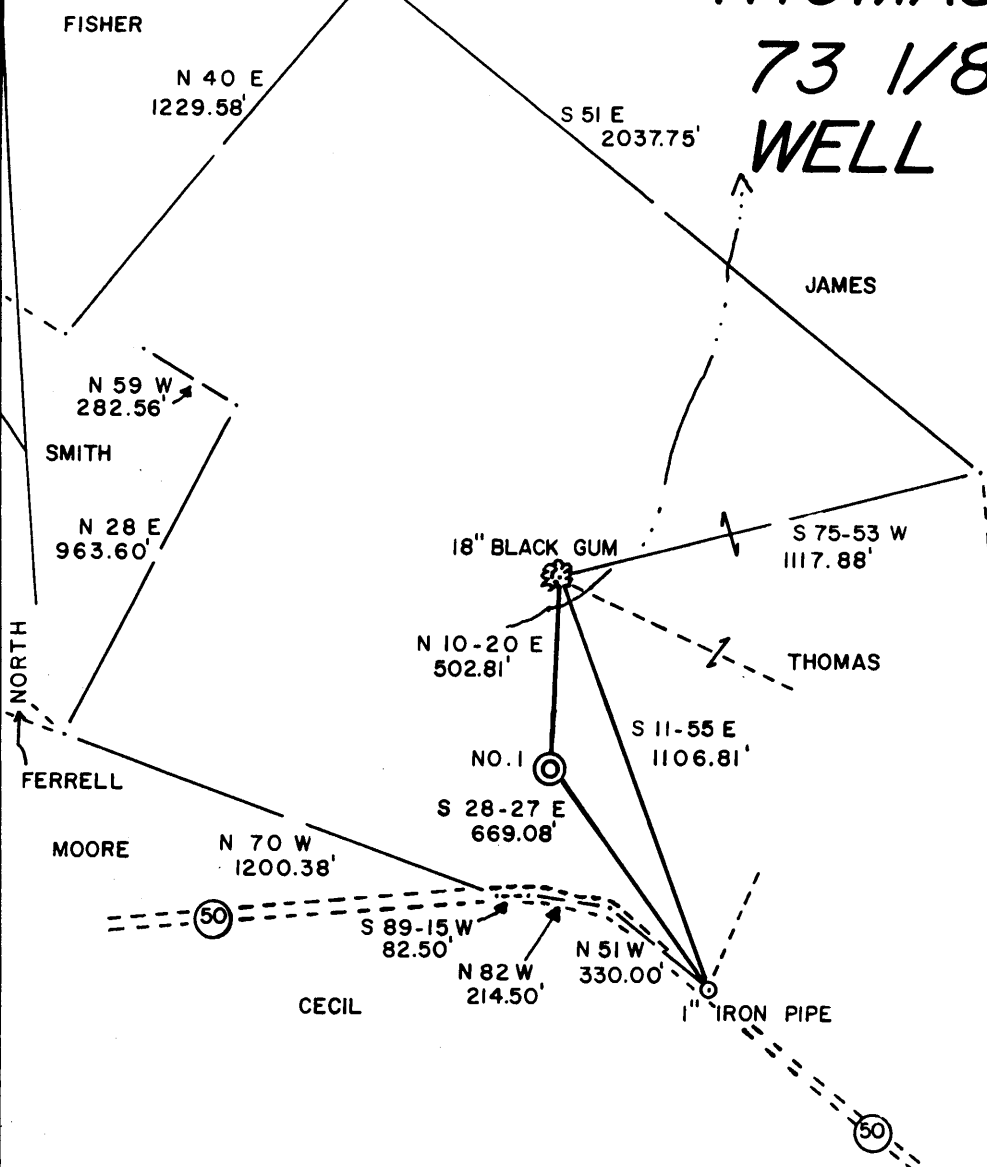


Jonie 3/13/89

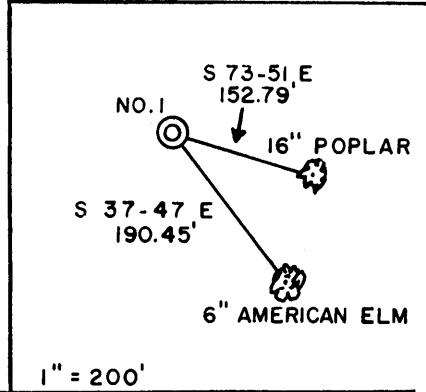
LATITUDE 39-25-00

THOMAS LEASE 73 1/8 ACRES WELL NO. 1

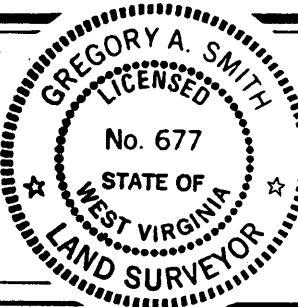


LONGITUDE 80-00-00
016

REFERENCES



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 MARCH 11, 19 89
 OPERATORS WELL NO. THOMAS NO. 1
 API WELL NO. 47-095-1287
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2036 (26-63)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1164' 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 940' WATERSHED BRANCH OF JEFFERSON RUN West Union C
 DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' 607
 SURFACE OWNER ROBERT P. and NAOMI S. THOMAS ACREAGE 73-1/8 ACRES 133
 ROYALTY OWNER ROBERT P. and NAOMI S. THOMAS ET. AL. LEASE ACREAGE 100 ACRES 5

PROPOSED WORK: LEASE NO. _____
 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 PO. BOX 1230 FAIRMONT, WV 26554 ADDRESS PO. BOX 1230 FAIRMONT, WV 26554

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 S. Operator Well No.: THOMAS 1

LOCATION: Elevation: 940.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 9710 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 220 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: 03/14/89
Well work Commenced: 3/22/89
Well work Completed: 3/29 via 7I
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5048
Fresh water depths (ft) 50 258

Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11=3/4	12930	12930	60
8-7/8	180720	180720	385 <i>Stick</i> 3.85
4 1/2	5092		

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325 Stick

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4920-5048
Gas: Initial open flow smell MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 240 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

095-1287

Perforate Benson from 4922-4927, with 14 holes. Frack with 100 sks 80/100, 400 sks 20/40, 76,000 scf N2 and 525 bbls treated fluid. Avg rate = 23 bbls min Avg psi = 2272#

Perforate Riley from 4518-4550, frack with 100 sks 80/100, 400 sks 20/40 76,000 sfs N2 and 525 bbls treated fluid.

Electric Log Tops	
Big Lime 1898	salt water 1/2" 2040
Weir	2242
Berea	2430
Benson	4903

No coal

*Correction - Big
after treated with
gray being of
mixed oil*

OK Jimmie 1/27/90

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

358

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

- 1) Well Operator: Anvil Oil Co. Inc. 2275, 1, 606
- 2) Operator's Well Number: Thomas No. 1 3) Elevation: 940'
- 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: 5100' feet
- 7) Approximate fresh water strata depths: 60'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A Possible coal Blossom @ 611'
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill and Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4			120'	120'	5 cts.
Fresh Water	8 5/8		23	1800'	1800'	By Rule 38 CSR 18-11.3
Coal						380518-11.2.2
Intermediate						
Production	4 1/2		10.5	5100'	5100'	By Rule 38 CSR 13-11.1
Tubing						
Liners						

PACKERS : Kind
 Sizes
 Depths set

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For Division of Oil and Gas Use Only

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

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: 3/10/89
2) Operator's well number
Thomas #1
3) API Well No: 47 -095 - 1287
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 P. Thomas & Naomi S. Thomas
Address Box 11B, Ross Run Rd.
Wilbur, WV 26459
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Glen P. 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 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 10th day of March, 1989

My commission expires 7/8/90 Notary Public