



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 21, 19 94
 OPERATORS WELL NO. YELLERJACKET NO. 16
 API WELL NO. 47-017-4128 PERMIT



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

MINIMUM DEGREE FILE NO. 300 & 3149 (44-39)
 OF ACCURACY 1"=200 SCALE 1"=2000'
 OF ELEVATION TOP OF KNOB ELEVATION 1333'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1115' WATERSHED BLUESTONE CREEK
 DISTRICT WEST UNION COUNTY DOODRIDGE

SURFACE OWNER MARY LOU HOLLAND QUADRANGLE WEST UNION 7.5'
 ROYALTY OWNER MARY LOU HOLLAND ET AL ACREAGE 1557.637
 LEASE ACREAGE 1557.637 LEASE NO. _____

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 ALEXANDER

ESTIMATED DEPTH 5500'

WELL OPERATOR ANVA OIL CO. INC. DESIGNATED AGENT JUSTIN M. HENDERSON
 ADDRESS P.O. BOX 1230 FAIRMONT, WY. 26554-1230 ADDRESS P.O. BOX 1230 FAIRMONT, WY. 26554-1230

State of West Virginia
 Division of Environmental Protection
 Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Holland, Mary lou
 Location: Elevation: 1,115.00
 District: West Union
 Latitude: 12420 Feet South of
 Longitude: 4520 Feet West of
 Operators Well No.: YellerJacket #16
 Quadrangle: West Union
 County: Doddridge
 39 Deg. 17min. 30sec.
 80 Deg. 45 min. 0 sec.

Company: Anvil Oil Co., Inc.
 P.O. Box 1230
 Fairmont, WV 26554-1230

Agent: Justin Henderson

Inspector: Mike Underwood
 Permit Issued: 04/22/94
 Well Work Commenced: 04/18/94
 Well Work Completed: 05/24/94
 Rotary X Cable _____ Rig
 Total Depth (feet) 5300'
 Fresh Water Depths (ft) 65'
 Salt Water Depths (ft) N/A
 Is coal being mined in area (Y/N) N
 Coal Depths (ft): none

casing tubing	used in drilling	left in well	cement fill up sks
11 3/4			
8 5/8	1160	1146	300
4 1/2	5300	5205	765

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5064'
 Gas: Initial open flow 30 MCF/D Oil: Initial open flow 0 BBL/D
 Final open flow 1463 MCF/D Final open Flow 0 BBL/D
 Static Rock Pressure 1750# psig (surface pressure) after 48 Hours
 Second producing formation Benson, Riley, Balltown Pay zone depth (ft) 3919-4804'
 Gas: Initial open flow * MCF/D Oil: Initial open flow * BBL/D
 Final open flow * MCF/D Final open flow * BBL/D
 static rock pressure * psig (surface pressure) after * Hours

* commingled zones

For: Anvil Oil Co., Inc.

By: Jerry Poling
 Date: 12-1-94

Stage	Formation	Perts	Sand	N2
1st	Alexander	5072-5143	420sks	373,000
2nd	Benson	4797-4801	450sks	400,000
3rd	Baltown	3919-4322	350sks	330,000
4th	Warren Speechley	3163-3282	380sks	295,000

Drillers Log

Formation	Top	Bottom	Formation	Depth top
Dirt	0	5	Big Lime	1768
Sd/Sh	5	55	Berea	2265
Sd	55	65	Gordon	2457
Sd/Sh	65	480	Benson	4796
Sd/Sh	480	1754		
Lime	1754	1760		
Shale	1760	1770		
Lime	1770	1820		
Sand	1820	1910	gas ck @ 1716 no show	
Sd/Sh	1910	2493	gas ck @ 1997' 02/10 2" w/w	
Sd	2493	2523	gas ck @ 2585' 04/10 1" w/w	
Sd/Sh	2523	4804	gas ck @ 4179' 08/10 1" w/w	
Sd	4804	4812	gas ck @ 4958' 10/10 1" w/w	
Sd/Sh	4812	5300	gas ck @ T.D. 10/10 1" w/w	
Td	5300	5300		

Electric Log Tops

Committing

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Well Operator: ANVIL OIL COMPANY

48
2275

8
671

Issued 05/16/94
Expires 05/16/96

Operator's Well Number: YELLERJACKET WELL NO. 16 3) Elevation: 1115'

Well Type: (a) Oil / or Gas X /

(b) If Gas: Production X / Underground Storage /
Shallow X /
Deep /

5) Proposed Target Formation(s): ALEXANDER 439

6) Proposed Total Depth: 5500' feet

7) Approximate fresh water strata depths: 100'

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 AND STIMULATE

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTING INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in Well	
Conductor						Fill-up (cu. ft.)
Fresh Water	8-5/8"		23#	1115'	1115'	d.k. M.L.C. CEMENT TO SURFACE 30 CEMENT SACKS
Coal						
Intermediate						
Production	4-1/2"		10.5#	5500'	5500'	350 SACKS 30 CEMENT SACKS
Tubing						
Liners						

PACKERS: Kind
Sizes
Depths set

For Division of Oil and Gas Use Only

1308/17

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

Permitting
Office of Oil & Gas

1) Date: APRIL 21, 1994
2) Operator's well number
YELLERJACKET WELL NO. 16
3) API Well No: 47 - 017 - 4128
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name MARY LOU HOLLAND
Address 308 CHURCH STREET
WEST UNION, WV 26456

(b) Name
Address

(c) Name
Address

5) (a) Coal Operator:
Name N/A
Address

(b) Coal Owner(s) with Declaration
Name N/A
Address

Name
Address

6) Inspector MIKE UNDERWOOD
Address ROUTE 2, BOX 135
SALEM, WV 26426
Telephone (304) - 782-1042
(c) Coal Lessee with Declaration
Name N/A
Address

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 XXXX 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 9 on the above named parties, by: XXXX Personal Service (Affidavit attached)
XXXX Certified Mail (Postmarked postal receipt attached)
XXXX 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 ANVITA OIL COMPANY, INC.

By: *[Signature]*
Its: PRESIDENT
Address 1909 LOCUST AVENUE
FAIRMONT, WV 26554

Telephone (304) 363-1362

Subscribed and sworn before me this 1st day of APRIL, 1994

My commission expires *[Signature]* DECEMBER 7, 2002 Notary Public