

LATITUDE 39° 17' 30"

LONGITUDE 80° 45' 00"

2410

MAXWELL LEASE

ANNA DAVIES RILEY

LINE TABLE

- A. S 83-03 E 348.26'
- B. N 30-53 E 83.56'
- C. N 47-59 W 96.42'
- D. N 78-53 W 296.76'
- E. S 85-46 W 671.16'

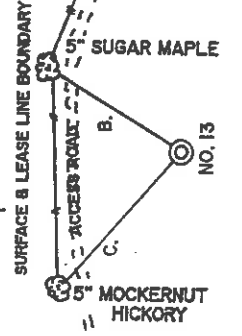
YELLERJACKET WELL # 13

MARY LOU HOLLAND
350 ACRES (SURFACE)

TO LEFT FORK OF ARNOLDS CREEK

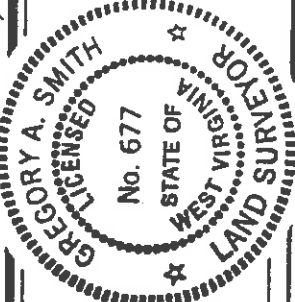
2.32
46

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.I.S. Gregory A. Smith
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 29, 19 94

OPERATORS WELL NO. YELLERJACKET NO. 13

API WELL NO. 47-017-04117-7

PERMIT

MINIMUM DEGREE OF ACCURACY 1/200

FILE NO. 3100.3149 (44-31)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1333'

SCALE 1" = 2000'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 1155' WATERSHED BLUESTONE CREEK

DISTRICT WEST UNION COUNTY Doddridge

SURFACE OWNER MARY LOU HOLLAND

ROYALTY OWNER MARY LOU HOLLAND ET AL

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) *Electricity well drilled in 1994 TO 6620 Production from Alexander, Smokey, Hilkey, Galtier, Mated*

WELL OPERATOR ANVIL OIL CO. INC. DESIGNATED AGENT JUSTIN M. HENDERSON

ADDRESS P.O. BOX 1230 FAIRMONT, WV. 26554-1230

0000

4117 F

COUNTY NAME

PERMIT

LATITUDE 39° 17' 30"

LONGITUDE 80° 45' 00"

12,250'

ANNA DAVIES RILEY

MAXWELL LEASE

LINE TABLE

- A. S 83-03 E 378.26'
- B. N 30-53 E 63.56'
- C. N 47-59 W 98.42'
- D. N 78-53 W 296.76'
- E. S 88-46 W 67.16'

MARY FARR SECRIST

TO LEFT FORK OF ARNOLDS CREEK

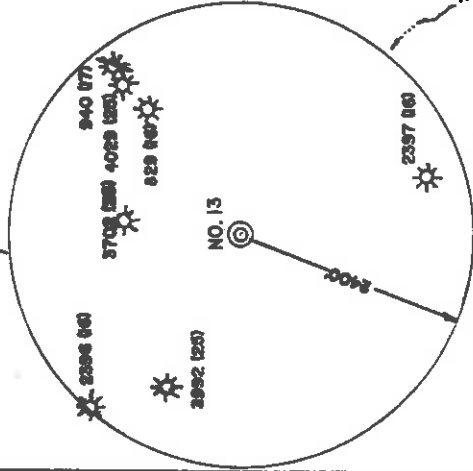
1557.637 ACRES ± YELLERJACKET WELL # 13

MARY LOU HOLLAND
350 ACRES± (SURFACE)

HEASTER

(ABANDONED) PIPELINE

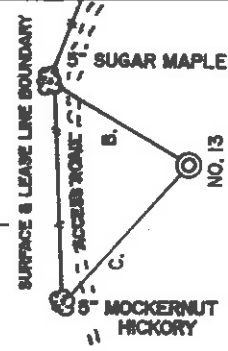
(ABANDONED) PIPELINE



FLASHER RUN

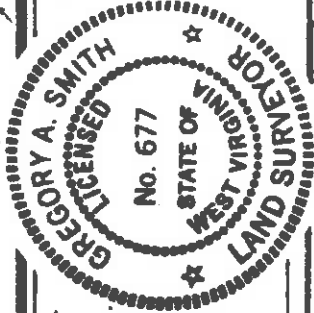
ELM RUN

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 29, 19 94

OPERATORS WELL NO. YELLERJACKET NO. 13

API WELL NO. 47-017-0417 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION TOP OF ANCHOR ELEVATION 1333'

FILE NO. 3100-3149 (44-31)

SCALE 1" = 2000'

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 1155' WATERSHED BLUESTONE CREEK

DISTRICT WEST UNION COUNTY DOODRIDGE

SURFACE OWNER MARY LOU HOLLAND

ROYALTY OWNER MARY LOU HOLLAND ET AL

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 ANYIL 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

46
6699

N^o

API# -047-017-4111
RECEIVED
MAY 20 2000

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

Well Operator's Report of Well Work

Name: Henderson, Justin
Elevation: 1,155.00
District: West Union
Latitude: 12250 Feet South of
Longitude: 2410 Feet West of
Operators Well No.: YellerJacket #13
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

Operator: Justin Henderson

Inspector: Mike Underwood
Permit Issued: 5/1/99
Work Commenced: 6/10/99
Work Completed: 6/22/99

Well Type: Cable Rig
Well Depth (feet) 6620'
Shallow Water Depths (ft) 110'
Total Water Depths (ft) N/A
Coal being mined in area (Y/N) N
Well Depths (ft): none

casing tubing	used in drilling	left in well	cement fill up sks
8 5/8	1200	1187	316
4 1/2	6620	5262	765

Well Flow Data
Producing formation Alexander Pay zone depth (ft) 5118'
Initial open flow 133 MCF/D Oil: Initial open flow 0 BBL/D
Final open flow 1627 MCF/D Final open flow 0 BBL/D
Static Rock Pressure 1750# psig (surface pressure) after 4 Hours

Second producing formation Benson, Riley, Balltown Pay zone depth (ft) 3211-4840'
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: Justin A. Henderson
4/1/2000

D000 4117 F

MAY 9 2000

Stage	Formation	Perfs	Sand	N2
1st	Alexander	5119-5150	400sks	384,000
2nd	Benson	4835-4839	300sks	338,000
3rd	Balltown	3956-3966	350sks	317,000
4th	Warren Speechley	3180-3318	300sks	297,000

Drillers Log

Formation	Top	Bottom
Dirt	0	5
Sd/Sh	5	174 damp @ 110'
Sd/Sh	18	470
Sd	470	480
Sd/Sh	480	1775
Lime	1775	1785
Shale	1785	1813
Lime	1813	1880
Sand	1880	1950 gas ck @ 1937' 44/10 2" w/w
Sd/Sh	1950	2538 gas ck @ 2589' 50/10 2" w/w
Sd	2538	2560 gas ck @ 3461' 20/10 2" w/w
Sd/Sh	2560	4060 gas ck @ 4147' 20/10 2" w/w
Sd	4060	4085 gas ck @ 4861' 20/10 2" w/w
Sd/Sh	4085	5085 gas ck @ 6016' 20/10 2" w/w
Td	5085	5105 gas ck @ T.D. 10/10 2" w/w
Sd/Sh	5105	6600
Lime	6600	6620
T.D.		6620

Electric Log Tops

Formation	Depth top
Big Lime	1817
Berea	2310
Gordon	2490
Benson	4844
Onondaga	6601

Amvil Oil Co
44-017-04117 F.

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

Well Operator's Report of Well Work

Farm Name: Henderson, Justin
 Location: Elevation: 1,155.00
 District: West Union
 Latitude: 12250 Feet South of
 Longitude: 2410 Feet West of

Operators Well No.: YellerJacket #13
 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: 04/11/94
 Well Work Commenced: 05/09/94
 Well Work Completed: 05/17/94
 Rotary Cable Rig
 Total Depth (feet) 6620'
 Fresh Water Depths (ft) 110'
 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	1200	1187	316
4 1/2	6620	5262	765

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5118'
 Gas: Initial open flow 133 MCF/D Oil: Initial open flow 0 BBL/D
 Final open flow 1627 MCF/D Final open Flow 0 BBL/D
 Static Rock Pressure 1750# psig (surface pressure) after 4 Hours
 Second producing formation Benson, Riley, Balltown Pay zone depth (ft) 3211-4840'
 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

MAR 10 1995
 MAR 10 1995

Stage	Formation	Perfs	Sand	N2
1st	Alexander	5119-5150	400sk	384,000
2nd	Benson	4835-4839	300sk	338,000
3rd	Balktown	3956-3966	350sk	317,000
4th	Warren Speechley	3180-3318	300sk	297,000

Drillers Log

Formation	Top	Bottom	Formation	Depth top
Dirt	0	5	Big Lime	1817
Sd/Sh	5	174 damp @ 110'	Berea	2310
Sd/Sh	18	470	Gordon	2490
Sd	470	480	Benson	4844
Sd/Sh	480	1775	Onondaga	6601
Lime	1775	1785		
Shale	1785	1813		
Lime	1813	1880		
Sand	1880	1950	gas ck @ 1937' 44/10 2" w/w	
Sd/Sh	1950	2538	gas ck @ 2589' 50/10 2" w/w	
Sd	2538	2560	gas ck @ 3461' 20/10 2" w/w	
Sd/Sh	2560	4060	gas ck @ 4147' 20/10 2" w/w	
Sd	4060	4085	gas ck @ 4861' 20/10 2" w/w	
Sd/Sh	4085	5085	gas ck @ 6016' 20/10 2" w/w	
Td	5085	5105	gas ck @ T.D. 10/10 2" w/w	
Sd/Sh	5105	6600		
Lime	6600	6620		
T.D.		6620		

Electric Log Tops

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION
 Office of
 ANVIL OIL COMPANY, INC. 2275. (9) 671
 Issued 4/11/94
 Expires 4/11/96

- 1) Well Operator: ANVIL OIL COMPANY, INC.
- 2) Operator's Well Number: YELLERJACKET WELL NO. 13 3) Elevation: 1155'
- 4) Well Type: (a) Oil / or Gas X /
- (b) If Gas: Production X / Underground Storage /
 Deep / Shallow X /
- Proposed Target Formation(s): ALEXANDER 439
- Proposed Total Depth: 5500' feet
- Approximate fresh water strata depths: 100'
- Approximate salt water depths: N/A
- Approximate coal seam depths: N/A
- Does land contain coal seams tributary to active mine? Yes / No X /
- Proposed Well Work: DRILL AND STIMULATE
New Well

CASING AND TUBING PROGRAM

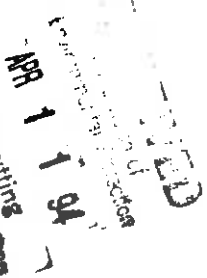
TYPE	SPECIFICATIONS			FOOTING INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in Well	
Conductor						Fill-up (cu. ft.)
Fresh Water	8-5/8"		23#	1155'	1155'	CEMENT TO SURFACE
Coal						30CSA/11.1
Intermediate						
Production	4-1/2"		10.5#	5500'	5500' +	350 SACKS
Tubing						30CSA/11.1
Liners						

PACKERS: Kind _____ Sizes _____ Depths set _____

For Division of Oil and Gas Use Only

1240 #12

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



1) Date: MARCH 31, 1994
2) Operator's well number
YELLERJACKET WELL NO. 13
3) API Well No: 47 - 017 - 4117
State - County - Permit

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: 5) (a) Coal Operator:
(a) Name MARY LOU HOLLAND Name N/A
Address 308 CHURCH STREET Address
WEST UNION, WV 26456
(b) Name Address
(c) Name Address
6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration
Address ROUTE 2, BOX 135 Name N/A
SALEM, WV 26426 Address
Telephone (304) - 782-1042

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 xxx 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 7 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 COMPANY, INC.
BY: Justin L. Henderson
Its: JUSTIN L. HENDERSON - PRESIDENT
Address 1909 LOCUST AVENUE
FAIRMONT, WV 26554
Telephone (304) 363-1362

Subscribed and sworn before me this 1st day of MARCH, 1994
My commission expires DECEMBER 7, 2002 Notary Public