

ANNA DAVIES RILEY

LATITUDE 39° 17' 30"

5710'

LONGITUDE 80° 45' 00"

OXFORD 7.5' 39° 15' 00"

LINE TABLE
 A. N 9-59 W 89.83'
 B. S 73-36 E 1250.12'
 C. S 43-03 E 1580.26'

MARY FARR SECRIST

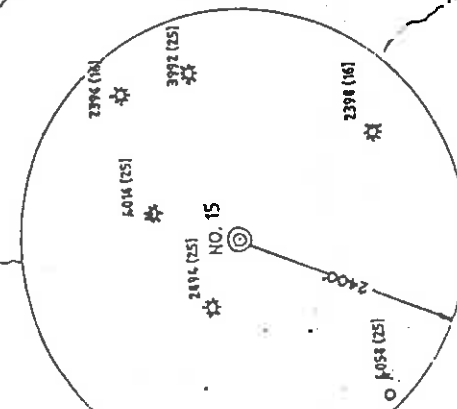
TO LEFT FORK OF ARNOLDS CREEK

MAXWELL LEASE

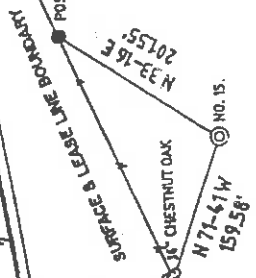
1557.637 ACRES ±
YELLERJACKET WELL # 15

MARY LOU HOLLAND
350 ACRES (SURFACE)

HEASTER

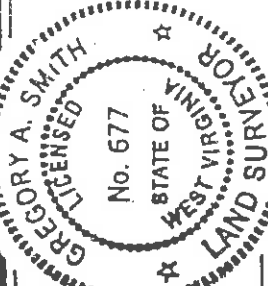


REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAY 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 APRIL 21, 19 96

OPERATORS WELL NO. YELLERJACKET NO. 15

API WELL NO. 47-017-04122

STATE COUNTY PERMIT



WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 MCKUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506

FILE NO. 3100.B.3149
 SCALE 1"=2000'
 TOP OF KHOB ELEVATION 1333'

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

LOCATION: ELEVATION 1324'
 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) *Existing Well drilled in 1997* TARGET FORMATION ALEXANDER
Not to be plugged ESTIMATED DEPTH 5500' *5500' ± 1999*

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

LATITUDE 39° 17' 30"

OXFORD 7.5' 39° 15' 00"

ANNA DAVIES RILEY

MARY FARR SECRETIST

MAXWELL LEASE

1557.637 ACRES ±
YELLERJACKET WELL # 15

MARY LOU HOLLAND
350 ACRES (SURFACE)

LINE TABLE
A. N 9-59 W 89.87'
B. S 79-36 E 1250.12'
C. S 43-03 E 1500.26'

N 79-36 E 312.84'
N 68-18 E 392.70'
N 71-30 E 278.92'
N 52 E 297.99'
N 48 E 347'

N 72 E 88.83'
N 52 E 197.41'
N 78 E 264.91'

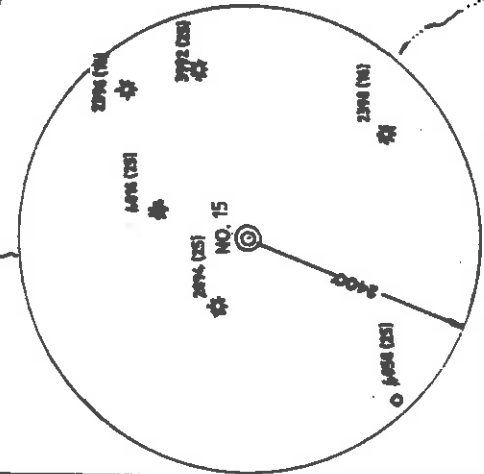
S 88 E 51.74'
S 88 E 51.74'
S 88 E 51.74'
S 88 E 51.74'
S 88 E 51.74'

TO LEFT FORK OF ARNOLDS CREEK

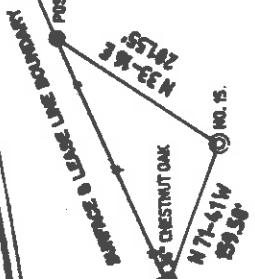
MEASTER

ELM RUN

FLORNER RUN

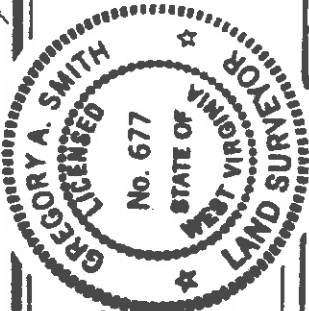


REFERENCES



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L.L.S. *Gregory A. Smith*
677



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

DATE APRIL 21, 19 94
OPERATORS WELL NO. YELLER JACKET NO. 15
API WELL NO. 47-017-4192
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1333'
FILE NO. 3160 & 3149 (44-39)
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 1224' WATERSHED BLUESTONE CREEK

DISTRICT WEST UNION COUNTY DODDGE

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) _____

LEASE NO. _____

QUADRANGLE WEST UNION 7.5' **56**
ACREAGE 1557.637
LEASE ACREAGE 1557.637

COUNTY NAME _____ PERMIT _____

WELL OPERATOR ANYL OIL CO. INC. 45 DESIGNATED AGENT JUSTIN M. HENDERSON
ADDRESS P.O. BOX 1230 FARMINGTON, WY. 26554-1230

WR-35

Reviewed \$

API # 47- 17-04122 F

RECEIVED
Office of Oil and Gas
MAY 26 2000
W/Engineering

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: HENDERSON, JUSTIN M Operator Well No.: YELLOWJACKET #15

LOCATION: Elevation: 1,141.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
Latitude: 7990 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 5620 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: JUSTIN L. HENDERSON

Inspector: MIKE UNDERWOOD
Permit Issued: 05/27/99
Well work Commenced: 6/11/99
Well work Completed: 7/8/99
Verbal Plugging
Permission granted on: _____ Rig
Rotary Cable _____
Total Depth (feet) _____
Fresh water depths (ft) _____
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.
8 5/8	11A3	11A3	to surface
4 1/2	-	-	-
-	-	-	-
-	-	-	-

OPEN FLOW DATA

Producing formation _____ 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 _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation Coal Pay zone depth 1023 - 2420
 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 _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ 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. JUSTIN L. HENDERSON
By: Justin L. Henderson
Date: 6/1/2000

0000 4122 F

JUN 9 2000

Division. part. 2402. 20 - 8 holes

Fine: 100 bbls. H20, 750 gals Weid 25,000 ± SD. + 180,000 gal. H₂O

Inson - part. 1802. 27 - 11 holes

Fine 490 bbls. H₂O, 1000 gals Weid + 350,000 ± SD

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: 1,224.00
District: West Union
Latitude: 11980 Feet South of
Longitude: 5710 Feet West of

Operators Well No.: YellerJacket #15
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: 04/28/94
Well Work Completed: 05/03/94
Rotary Cable Rig
Total Depth (feet) 5427
Fresh Water Depths (ft) 75'
Salt Water Depths (ft) N/A
Is coal being mined in area (Y/N) N
Coal Depths (ft): 70-73

casing tubing	used in drilling	left in well	cement fill up sks
11 3/4			
8 5/8	1240	1224	300
4 1/2	5427	5381	760

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5233'
Gas: Initial open flow 298 MCF/D Oil: Initial open flow 0 BBL/D
Final open flow 1021 MCF/D Final open Flow 0 BBL/D
Static Rock Pressure 1500# psig (surface pressure) after 4 Hours

Second producing formation Benson, Riley, Balltown Pay zone depth (ft) 3334-4978'
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	5259-5316	400sks	384,000
2nd	Benson	4970-4974	450sks	402,000
3rd	Warren Speechley	3374-3456	400sks	285,000

Drillers Log

Formation	Top	Bottom	Formation	Depth top
Dirt	0	5	Big Lime	1934
Sd/Sh	5	70	Berea	2484
Coal	70	73	Gordon	2632
Sd/Sh	73	328	Benson	4968
Sd	328	357		
Sh/Sd	357	1879		
Sd/Sh	1879	1920		
Lime	1920	1988		
Sand	1988	2082	gas ck @ 1940' 50/10 1" w/w	
Sd/Sh	2082	2646	gas ck @ 2035' 40/10 2" w/w	
Sd	2245	2570	gas ck @ 2749' 32/10 2" w/w	
Sd/Sh	2570	4965	gas ck @ 3280' 40/10 2" w/w	
Sd	4965	4973	gas ck @ 5021' 38/10 2" w/w	
Sd/Sh	4973	5427	gas ck @ T.D. 50/10 2" w/w	
Td		5427		

Electric Log Tops

017-9122

Issued 04/20/94
Expires 04/22/96

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

Well Operator: ANVIL OIL COMPANY 2275 (8) 671

Operator's Well Number: YELLERJACKET WELL NO. 15 3) Elevation: 1224'

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

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

Proposed Target Formation(s): ALEXANDER 429

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	
	Size	Grade	Weight per ft.	For drilling	Left in Well
Conductor					Fill-up (cu. ft.)
Fresh Water	8-5/8"		23#	1224'	1224'
Coal					CEMENT TO SURFACE
Intermediate					
Production	4-1/2"		10.5#	5500'	5500'
Tubing					
Liners					

28658181/3
CEMENT
20.4 Mcu
CEMENT TO SURFACE
28658181/1.2.2

New Well

PACKERS: Kind _____ Sizes _____ Depths set _____

For Division of Oil and Gas Use Only

1263/4

Fee(s) paid: Well Work Permit Reclamation Fund
 Plat WW-9 Bond Agent

WPCP Agent

1) Date: APRIL 21, 1994
2) Operator's well number
YELLERJACKET WELL NO. 15
3) API Well No: 47 - 017 - 4122
State - County - Permit

Division of Oil & Gas

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 _____

Inspector MIKE UNDERWOOD
Address ROUTE 2, BOX 135
SALEM, WV 26426
Telephone (304) - 782-1042

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

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

Name _____
Address _____

(c) Coal Lessee with Declaration
Name N/A
Address _____

6) _____
Inspector MIKE UNDERWOOD
Address ROUTE 2, BOX 135
SALEM, WV 26426
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 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)
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 am 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: _____
Its: _____
Address 1909 LOCUST AVENUE
FAIRMONT, WV 26554
Telephone (304) 363-1362

Subscribed and sworn before me this 21st day of APRIL, 1994

My commission expires DECEMBER 7, 2002

Notary Public