

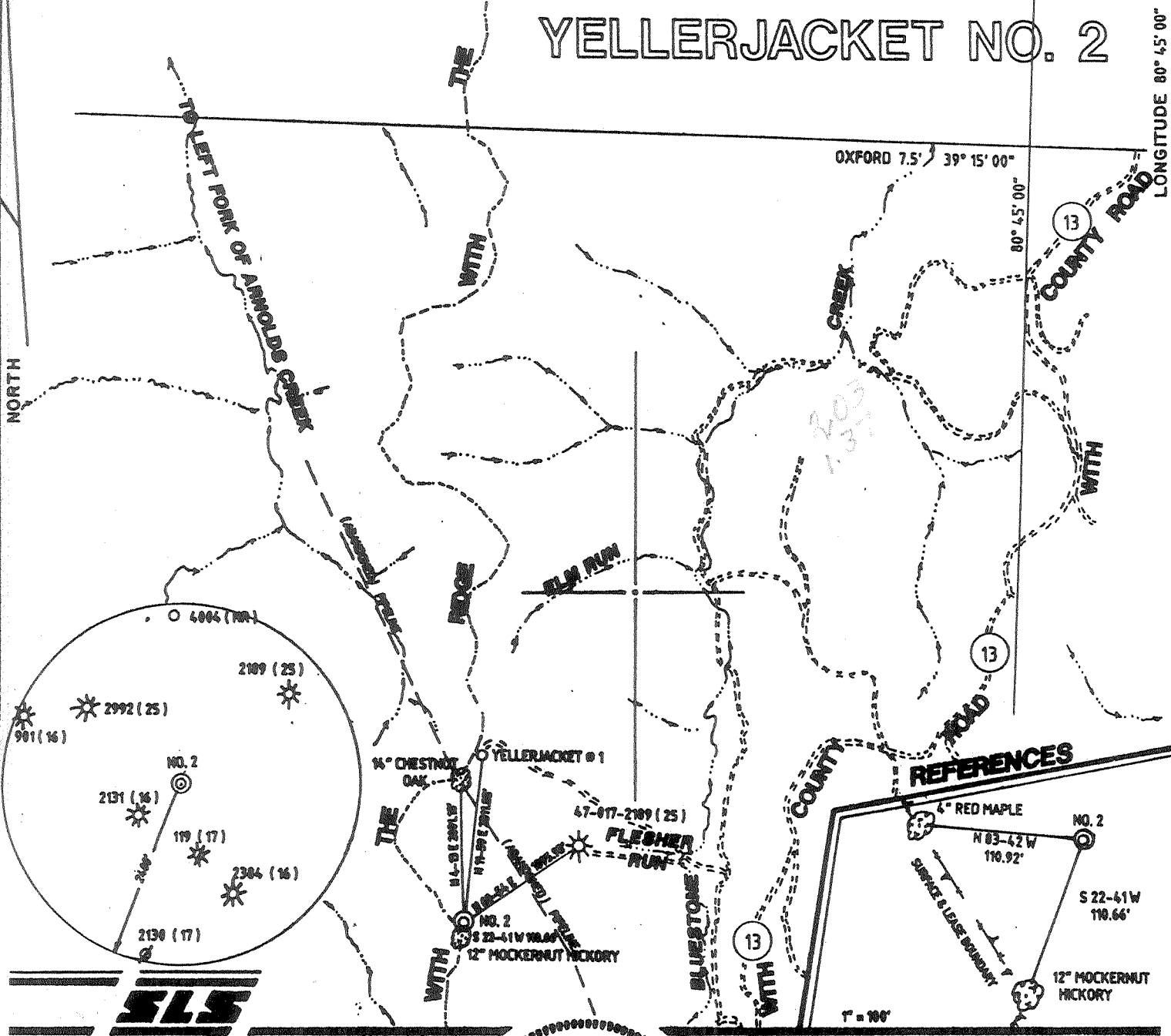
Janie
10/7/93

CHARLES P. HEASTER ET. AL.

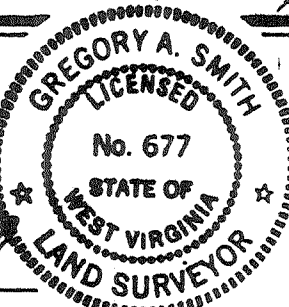
HENDERSON LEASE

1567.64 ACRES±

YELLERJACKET NO. 2



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 OCTOBER 7, 19 93
 OPERATORS WELL NO. YELLERJACKET # 2
 API WELL NO. 47 - 017 - 4052
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3100 (42-76)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323' SCALE 1" = 2000'

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 1376' WATERSHED BLUESTONE CREEK
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER JUSTIN M. HENDERSON ACREAGE 1567.64
 ROYALTY OWNER JUSTIN M. HENDERSON ET. AL. LEASE ACREAGE 1567.64
 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 ALEXANDER
 ESTIMATED DEPTH 5999' *OCT 19 1993*

WELL OPERATOR ANVL OIL CO. Inc. DESIGNATED AGENT JUSTIN L. HENDERSON
 ADDRESS P.O. BOX 1230 FAIRMONT, WY. 26554-1230 ADDRESS P.O. BOX 1230 FAIRMONT, WY. 26554-1230

COUNTY NAME PERMIT

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.: YELLER/JACKET#2

LOCATION: Elevation: 1,376.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 10620 Feet South of 39 Deg. 15Min. Sec.
Longitude 7270 Feet West of 80 Deg. 45 Min. Sec.

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

Agent: JUSTIN L. HENDERSON

Inspector: MIKE UNDERWOOD
Permit Issued: 10/12/93
Well work Commenced: 10-8-93
Well work Completed: 10-15-93
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 5465
Fresh water depths (ft) N/A
Salt water depths (ft) N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	154	154	100sks
8 5/8	1446	1446	320sks
4 1/2	5390	5390	425sks

Is coal being mined in area (Y/N)? no
Coal Depths (ft): none

OPEN FLOW DATA

Producing formation Alexander/Benson Pay zone depth (ft) 5240'
Gas: Initial open flow 33mcf MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 919mcf MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1750# psig (surface pressure) after 4hrs Hours

Second producing formation Warren/Riley Pay zone depth (ft) 3350'
Gas: Initial open flow 33mcf MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow * MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1750 psig (surface pressure) after 4hrs Hours
* Commingled zones

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: Justin Henderson
ANVIL OIL CO., INC.

By: _____
Date: _____

Stage	Formation	Perfs	Sand	N2
1st	Alexander	5235-5308	450sks	410,000
2nd	Benson	4091-4965	350sks	372,000
3rd	Riley Speechley Balltown	3333-3453	400sks	375,000

Drillers Log

Formation	Top	Bottom
Dirt	0	10
Sd/Sh	10	200
RR	200	211
Sh/RR	211	359
RR	359	369
Sd/Sh	369	1423
Coal	1423	1428
Sh	1428	2068
Lime	2068	2122
Sand	2122	2284
Sd/Sh	2284	4920
Sd	4920	4930
Sd/Sh	4930	5465
Td		5406

Electric Log Tops

Formation	Depth top
Big Lime	1969
Berea	2458
Gordon	2643
Benson	4978

APR 47-017-4052

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

*Issued 10/12/93
Expires 10/12/95
(7) 526*

Well Operator: ANVIL OIL AND GAS CO. 2275

Operator's Well Number: YELLERJACKET WELL #2 3) Elevation: 1376'

Well Type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
 Deep / Shallow X /

- 5) Proposed Target Formation(s): ALEXANDER 439
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 130'
- 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 & STIMULATE
- 12) CASING AND TUBING PROGRAM *New Well.*

TYPE	SPECIFICATIONS		FOOTING INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in Well
Conductor	11-3/4"			40'	0'	0 SACKS
<u>Fresh Water</u>	8-5/8"		23#	1490'	1450'	CEMENT TO SURFACE
Coal						<i>3859/11.3</i>
Intermediate						<i>3859/11.2.2</i>
Production	4-1/2"		10.5#	5500'	5400'	350 SACKS
Tubing						<i>3859/11.1</i>
Liners						

PACKERS: Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

9/18/21
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond *Blanket* Agent
(Type)

1) Date: OCTOBER 7, 1993
2) Operator's well number YELLERJACKET WELL #2
3) API Well No: 47 - 017 - 04052
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 JUSTIN M. HENDERSON
Address 108 WOOD 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)- 782-1043
- (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 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 8 on the above named parties, by:

- XXX 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 AND GAS CO.
By: [Signature]
Its: PRESIDENT
Address 1909 LOCUST AVENUE
FAIRMONT, WV 26554
Telephone (304) 363-1362

Subscribed and sworn before me this 7th day of OCTOBER, 1993

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