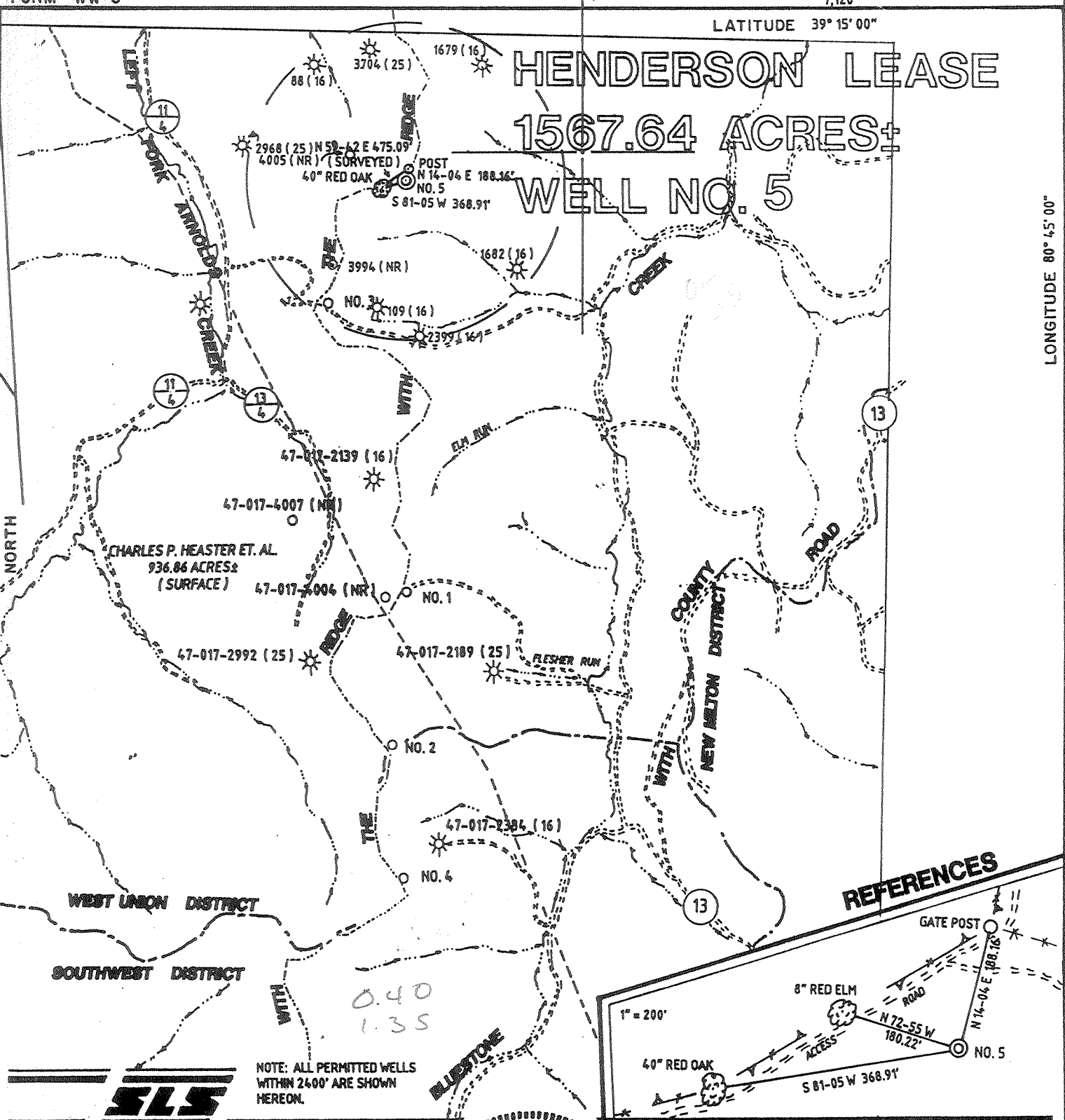


# HENDERSON LEASE

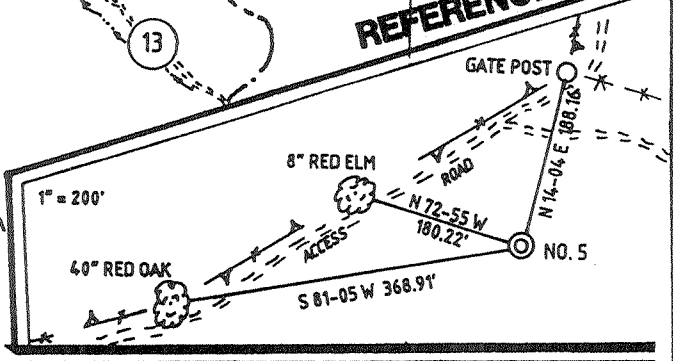
## 1567.64 ACRES±

### WELL NO. 5

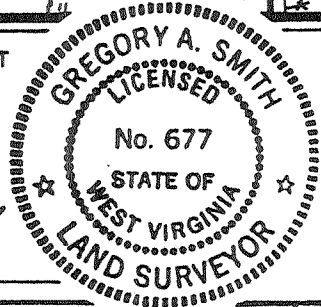


LONGITUDE 80° 57' 08" EAST

#### REFERENCES



NOTE: ALL PERMITTED WELLS WITHIN 2400' ARE SHOWN HEREON.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE OCTOBER 12, 19 93  
 OPERATORS WELL NO. YELLERJACKET # 5  
 API WELL NO. 47 - 017 - 4054  
 STATE COUNTY 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. 677 *Gregory A. Smith*

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3100 (42-77)  
 PROVEN SOURCE OF ELEVATION U.S.G.S. STA. MAXWELL ELEVATION 1395' 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 1250' WATERSHED BLUESTONE CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' Holbrook  
 SURFACE OWNER JUSTIN M. HENDERSON ACREAGE 1567.64 *NE*  
 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 5500'

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

COUNTY NAME PERMIT

6-6-133

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#5

LOCATION: Elevation: 1,163.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE  
Latitude: 4060 Feet South of 39 Deg. 15Min. Sec.  
Longitude 8290 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: 10/14/93  
Well work Commenced: 10-18-93  
Well work Completed: 10-25-93  
Verbal Plugging  
Permission granted on:  
Rotary Cable Rig  
Total Depth (feet) 5424  
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	1310	1310	305sks
4 1/2	5340	5340	750sks

OPEN FLOW DATA

Producing formation Alexander/Benson Pay zone depth (ft) 5220'  
Gas: Initial open flow 60mcf MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 60mcf MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 0 Hours  
Static rock Pressure 1650# psig (surface pressure) after 4hrs Hours

Second producing formation Warren/Riley Pay zone depth (ft) 3300'  
Gas: Initial open flow 60mcf MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 60mcf MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 0 Hours  
Static rock Pressure 1650 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: ANVIL OIL Justin Henderson

By: 

Date: 10-19-93

1125 MCF - Final

1125 8 1395

Stage	Formation	Perfs	Sand	N2
1st	Alexander Benson	4879-5277	475sks	489,000
2nd	Balltown	4082-4097	250sks	300,000
3rd	Warren Speechley	3298-3422	300sks	305,000

### Drillers Log

Formation	Top	Bottom
Dirt	0	5
Sd/Sh	5	82
RR	82	97
Sh/Sd	97	1251
Sd	1251	1325
Sd/Sh	1325	1890
Lime	1890	1986
Sd	1986	2115
Sd/Sh	2115	4924
Sd	4924	4928
Sd/Sh	4928	5424
Td		5424

### Electric Log Tops

Formation	Depth top
Big Lime	1906
Berea	2409
Gordon	2606
Benson	4938

017-4054

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

Issued 10/14/93

Expires 10/14/95

Well Operator: ANVIL OIL CO. INC. <sup>0048</sup> 2275 (8) 526

Operator's Well Number: YELLERJACKET WELL #5 3) Elevation: 1250'

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

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

Proposed Target Formation(s): ALEXANDER 439

6) Proposed Total Depth: 5500' feet

7) Approximate fresh water strata depths: 140'

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

RECEIVED

WV Division of Environmental Protection

OCT 14 93

Permitting Office of Oil & Gas

TYPE	SPECIFICATIONS			FOOTING INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in Well	Fill-up (cu. ft.)
Conductor	11-3/4"			175'	175'	CTS <i>Mike Mitchell</i>
Fresh Water	8-5/8"		23#	1250'	1250'	CTS
Coal						
Intermediate						
Production	4-1/2"		10.5#	5500'	5400'	350 SACKS
Tubing						
Liners						

RECEIVED  
WV Division of Environmental Protection

OCT 14 93

Permitting Office of Oil & Gas

PACKERS: Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent

(Type)

18053

924/21

1) Date: October 8, 1993  
2) Operator's well number VellerJacket #5  
3) API Well No: 47 - 017 - 4054  
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 Justin 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 N/A

6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304) 782-1043

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
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

\_\_\_\_\_ 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 Company, Inc  
By: \_\_\_\_\_  
Its: President  
Address 1909 Locust Avenue  
Fairmont, WV 26554  
Telephone 304-363-1362

Subscribed and sworn before me this 14 day of October, 1993

[Signature]  
My commission expires 7/8/2000 Notary Public