

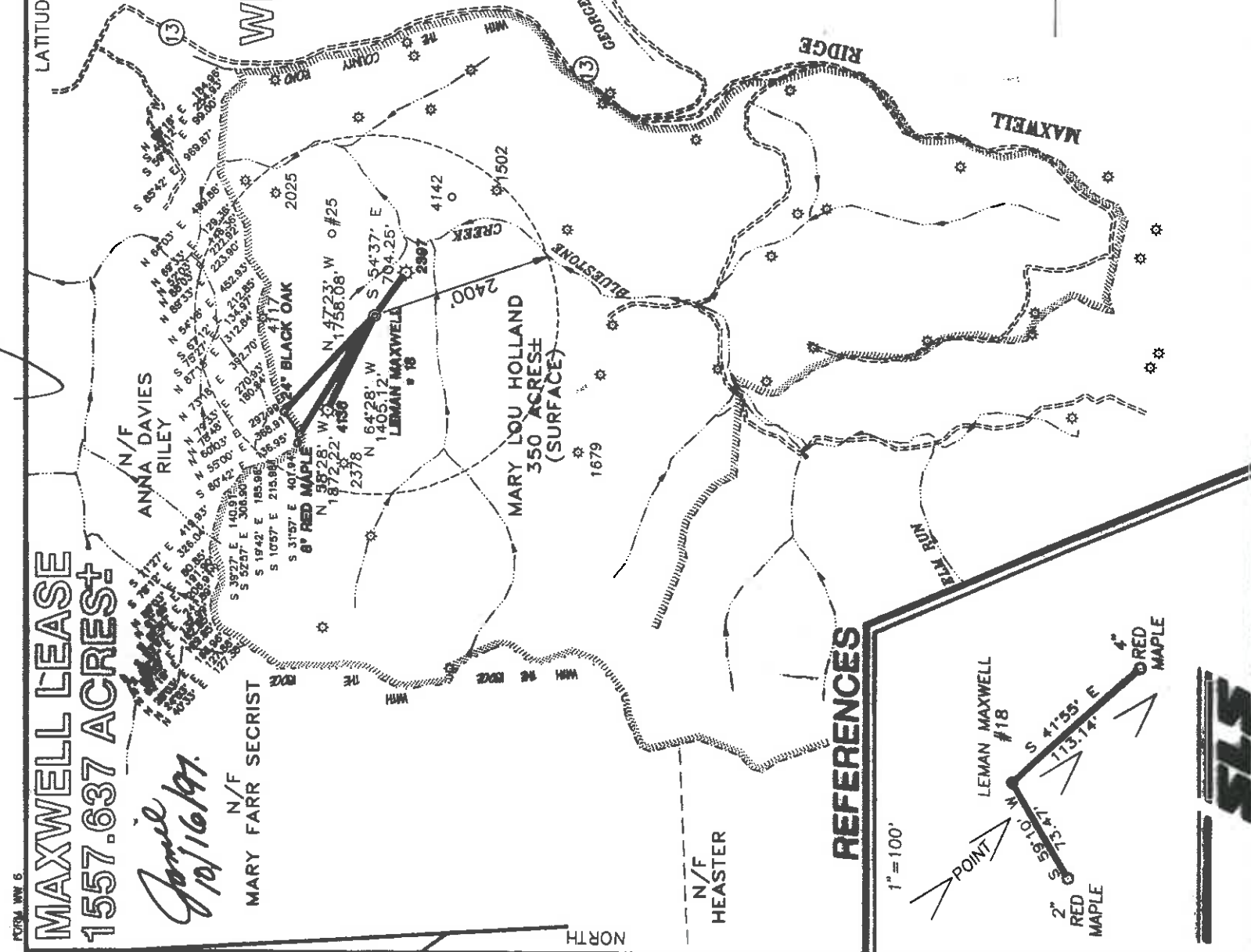
# MAXWELL LEASE 1557.637 ACRES

*Janice*  
*10/16/97*

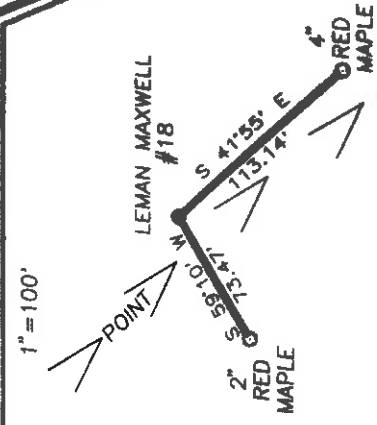
MARY FARR SECRIST  
N/F

WELL #18

LATITUDE 39°17'30"  
LONGITUDE 80°45'00"



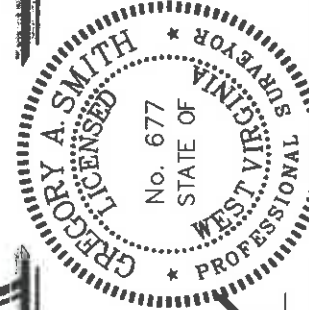
### REFERENCES



2.60 S  
.44 W

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 BY THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

P.S. *Gregory A. Smith*  
677



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

DATE OCTOBER 1, 19 97  
OPERATORS WELL NO. LEMMA MAXWELL #18  
API WELL NO. 47-017-04408 PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3149P18 (64-23)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 860' SCALE 1" = 2000'

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

LOCATION : ELEVATION 1000' WATERSHED BLUESTONE CREEK  
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'  
SURFACE OWNER MARY LOU HOLLAND ACREAGE 1557.637  
ROYALTY OWNER MARY LOU HOLLAND ET.AL. 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'



COUNTY NAME DODD PERMIT 4408

WELL OPERATOR ANVIL OIL COMPANY DESIGNATED AGENT JUSTIN M. HENDERSON 17 1997  
ADDRESS P.O. BOX 1230 FAIRMONT, WV 26554-1230 ADDRESS P.O. BOX 427 WEST UNION 26456  
*Straight Ek-Bluestone ck 66 (133)*

Date: October 8, 1997

Operator's well number  
Leeman Maxwell #18

API Well No: 47 - 017

State \_\_\_\_\_ County \_\_\_\_\_

4408

Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
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 \_\_\_\_\_

6) Inspector MIKE UNDERWOOD  
Address RT. 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 N/A  
Address \_\_\_\_\_

(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 included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)

XXX Certified Mail (Postmarked postal receipt attached)

Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 COMPANY INC

By: *Justin Henderson*

Its: JUSTIN HENDERSON, PRESIDENT

Address P.O. BOX 1230

FAIRMONT, WV 26554

Telephone 304-362-1362

Subscribed and sworn before me this 8th day of October, 1997

*Belinda Buford*

My commission expires 11/12/2000

Notary Public

*Belinda Buford*

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

*012 4408*  
2018  
2018 8 6.91

1) Well Operator: Anvil Oil and Gas Company, INC 2018 8 6.91 Elevation: 1000'

2) Operator's Well Number: Leeman Maxwell #18 3) Elevation: 1000'

4) Well type: (a) Oil    / or Gas X /     
(b) If Gas: Production X / Undergrnd Storage    / Shallow X / Deep    / <sup>39</sup>Alexander

5) Proposed Target Formation(s): Alexander

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 /

11) Proposed Well Work: Drill and Stimulate

12)    CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	Size	Grade	Weight per ft. drilling	For drilling	Left in well	Fill-up (cu. ft.)
Conductor					1800'	38 CSP 19 1/3
Fresh Water	8 5/8		23#	1155'	155'	cement to surface 38 CSP 19 1/3
Coal						
Intermediate						
Production	4-1/2"		10.5#	5500'	5500'	350 sacks
Tubing						38 CSP 19 1/3
Liners						

PACKERS : Kind     
Sizes     
Depths set   

For Office of Oil and Gas Use Only

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

Plat  WW-9  WW-2B  Bond    (Type)    Agent   

*5A*

WR-35  
Rev (5-01)

DATE: API #: 47-017-04408 ✓

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Holland, Mary L Operator Well No.: L. Maxwell 18

LOCATION: Elevation: \_\_\_\_\_ Quadrangle: \_\_\_\_\_  
District: West Union District County: Doddridge  
Latitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. Min. Sec.  
Longitude: \_\_\_\_\_ Feet West of \_\_\_\_\_ Deg. Min. Sec.

Company: Anvil Oil & Gas  
PO Box 1230

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>Fairmont WV 26555</u>				
Agent: <u>Justin Anderson</u>				
Inspector: <u>Mike Underwood</u>	<u>11 3/4</u>	<u>20'</u>		
Date Permit Issued: <u>10-18-97</u>				
Date Well Work Commenced: <u>11-14-97</u>				
Date Well Work Completed: <u>11-20-97</u>	<u>8 5/8</u>	<u>20#</u>	<u>Surface</u>	<u>1114</u>
Verbal Plugging:			<u>Surface</u>	
Date Permission granted on:	<u>9/12</u>		<u>Surface</u>	<u>5123</u>
Rotary Cable Rig				
Total Depth (feet): <u>5222</u>				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Benson Belltown Pay zone depth (ft) 5123  
Gas: Initial open flow 400 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 277 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1600 psig (surface pressure) after 72 Hours

Second 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

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.

Signed: Anvil Oil & Gas  
By: Harry Kannehe, Consultant  
Date: \_\_\_\_\_

JUN 19 2009

RECEIVED  
Office of Oil & Gas  
MAY 18 2009

Department of  
Environmental Protection

Dood 4408

AND PRODUCTION

Bottom	Oil, Gas or Water	Depth	Remarks
1765			1836 N.S.
1776			Gas 2020 % 2 1/2"
1800			Gas 2481-12/10-1" w/m
1830			Gas 2943 10/10-1" w/m
1840			Gas 3807 10/10-1" w/m
1965			Gas 5864 10/10-1" w/m
2026			Gas 5387 44/10-1" w/m
2126			Gas 5045 40/10-1" w/m
2310			
3075			
3721			
4769			
4780			
4987			
4995			
5200			

TO 6222

RECORD OF REGULAR FORMATIONS

Formation	Color	Hard or Soft	Top
Sand	Gray	Hard	1765
Sdash	Gray	med	1776
L. Lime	Gray	Hard	1800
Sdash	Gray	med	1830
L. Lime	Gray	Hard	1840
Engun sand	Gray	Hard	1965
SAND + SHALE	Gray	med	2026
(Nile) SAND	Gray	med	2126
SAND SHALE	Gray	med	2310
Marginal Sand	Gray	Hard	3075
S + Sh	Gray	med	3721
SAND	DR BROWN	med	4769
SAND SHALE	Gray	med	4780
SAND	BROWN	med	4987
SAND SHALE	Gray	med	4995
SAND SHALE	Gray	med	5200