

# D.M. HAUGHT LEASE

## 94 ACRES±

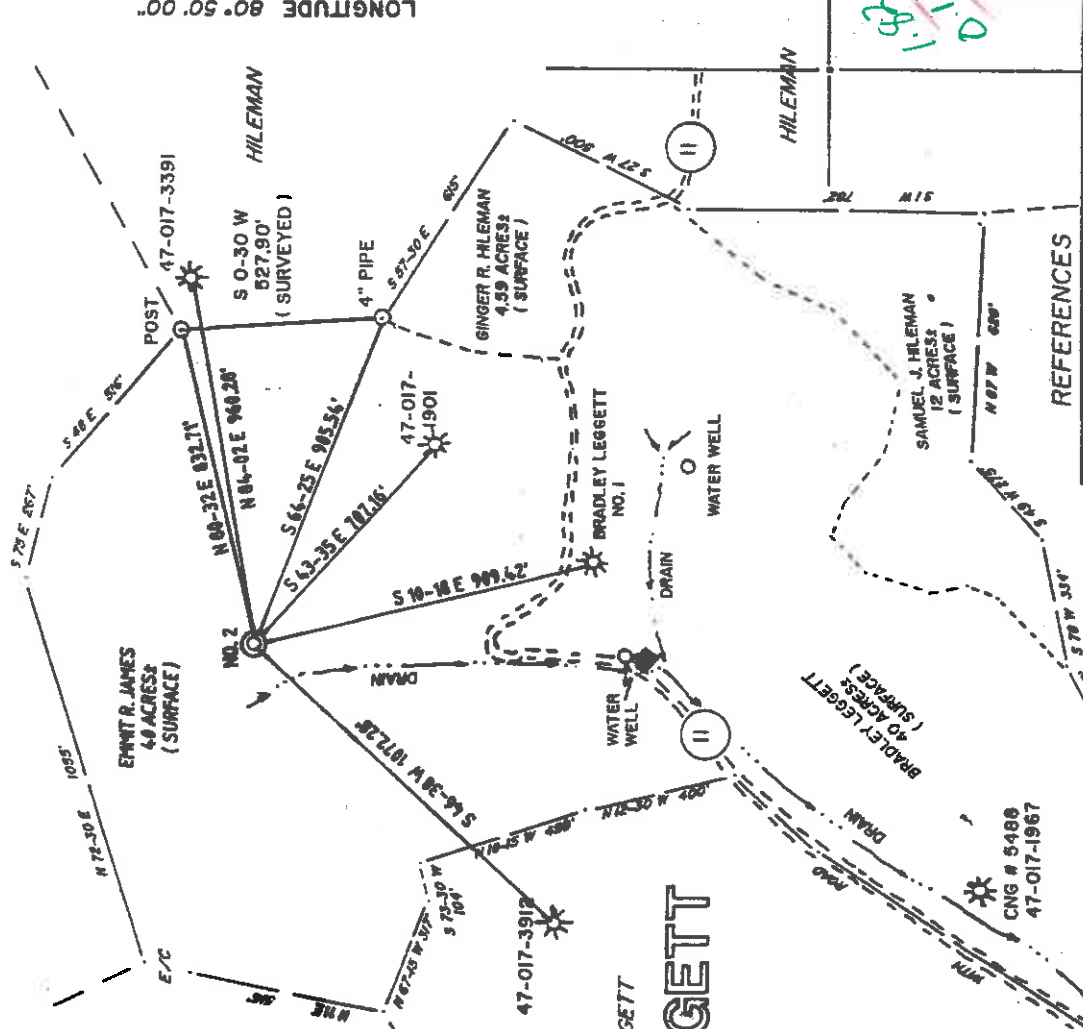
HAESSLY HARDWOOD  
LUMBER COMPANY

LATITUDE 39° 15' 00"

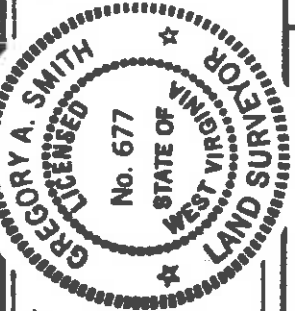
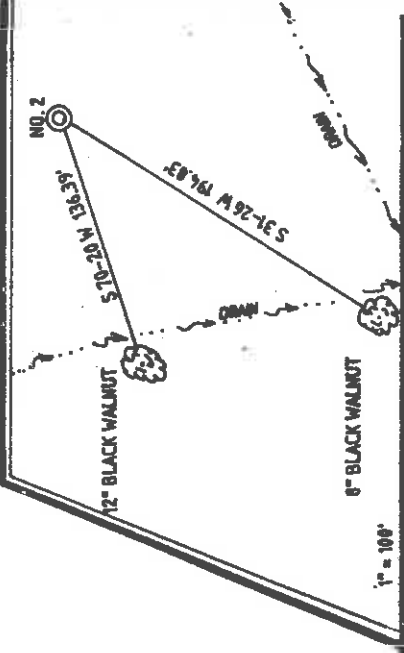
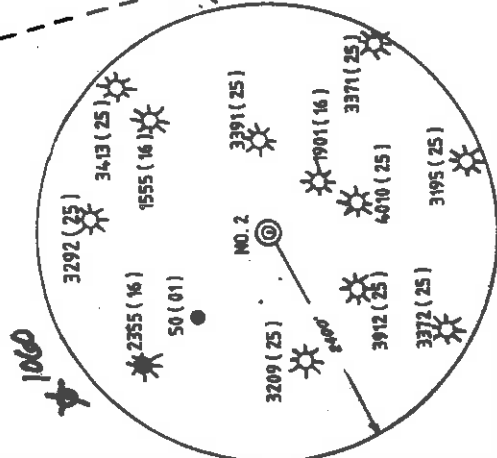
LONGITUDE 80° 50' 00"

*James D. Haught*  
4/11/19

JAMES



# BRADLEY LEGGETT WELL 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.S. *Gregory A. Smith*  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE DECEMBER 8, 19 93  
OPERATORS WELL NO. BRADLEY LEGGETT NO. 2  
API WELL NO. 47-017-0419 COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 200 FILE NO. 2954 (43-25)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 869' SCALE 1" = 500'

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

LOCATION: ELEVATION 1023' WATERSHED TRIBUTARY TO FRED'S RUN OF SOUTH FORK HUGHES RIVER  
DISTRICT SOUTHWEST COUNTY DODDRIDGE

SURFACE OWNER EMMETT R. JAMES QUADRANGLE OXFORD 7.5' 4016.  
ROYALTY OWNER D.M. HAUGHT ET AL. ACREAGE 40 NC  
LEASE ACREAGE 40 OF 132 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 BENSON  
ESTIMATED DEPTH 5400'

WELL OPERATOR FLUHARTY ENTERPRISES INC. DESIGNATED AGENT THOMAS J. FLUHARTY  
ADDRESS P.O. BOX 226 SALEM, WV 26426 ADDRESS P.O. BOX 226 SALEM, WV 26426

NOV 16 1994

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

API # 47- 17-04119  
 18-Apr-94

**Permitting  
 Office of Oil & Gas**

Well Operator's Report of Well Work

Farm name: HILEMAN, ANDA M. Operator Well No.: B. LEGGETT #2

LOCATION: Elevation: 1,023.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
 Latitude: 9600 Feet South of 39 Deg. 15Min. Sec.  
 Longitude 830 Feet West of 80 Deg. 50 Min. Sec.

Company: FLUHARTY ENTERPRISES, INC  
 P. O. BOX 226  
 SALEM, WV 26426-0000

Agent: THOMAS J. FLUHARTY

Inspector: MIKE UNDERWOOD  
 Permit Issued: 04/11/94  
 Well work Commenced: 05/03/94  
 Well work Completed: 10/19/94  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_ Rig  
 Rotary XX Cable \_\_\_\_\_  
 Total Depth (feet) 5,371'  
 Fresh water depths (ft) 83'

Salt water depths (ft) none

Is coal being mined in area (Y/N)?  
 Coal Depths (ft): None Reported

**OPEN FLOW DATA**

Producing formation	Alexander	Pay zone depth (ft)	4821-5139'
Gas:	Initial open flow 1,725 MCF/d	Oil:	Initial open flow trace Bbl/d
	Final open flow 1,015 MCF/d		Final open flow trace Bbl/d
	Time of open flow between initial and final tests		4 Hours
	Static rock Pressure 1,650 psig (surface pressure)		after 24 Hours
Second producing formation	Benson, Riley	Pay zone depth (ft)	4314-4666'
Gas:	Initial open flow 1,725 MCF/d	Oil:	Initial open flow trace Bbl/d
	Final open flow 1,015 MCF/d		Final open flow trace Bbl/d
	Time of open flow between initial and final tests		4 Hours
	Static rock Pressure 1,650 psig (surface pressure)		after 24 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: FLUHARTY ENTERPRISES, INC.

BY: *Thomas J. Fluharty*

Date: November 15, 1994

NOV 16 1994

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	40'	0	N/A
11 3/4"	176'	176'	CTS
8 5/8"	1,482'	1,482'	CTS
4 1/2"	5,317'	5,317'	450 sks

Fracture Information:

Formation	From	To	Remarks
1st Stage	Alexander	12- .39 Holes	4821-5139' 500 Gal 15% HCl, 649 Bbl H2O, 5,000# 80/100, 50,000# 20/40
2nd Stage	Benson & Riley	12- .39 Holes	4314-4666' 500 Gal 15% HCl, 562 Bbl H2O, 5,000# 80/100, 40,000# 20/40
Clay Sand	0'	17'	1/4" Stream H2O @ 83'
Sand/Shale	17	80	
Shale	80	85	
Sand	85	90	
Red Rock	90	120	
Sand	120	134	
Red Rock	134	155	
Sand/Shale	155	183	
Shale	183	280	
Red Rock	280	310	
Sand/Shale	310	395	Gas Check @ 2327' 22/10 Thru 2" H2O
Red Rock	395	1584	
Sand/Shale	1584	1859	
Red Rock/Shale	1859	1992	
Big Lime	1992	4660	
Shale/Sand	4660	4668	Gas Check @ 4844' 20/10 Thru 2" H2O
Benson	4668	5070	
Shale/Sand	5070	5144	Gas Check @ TD 22/10 Thru 2" H2O
Alexander	5144	5371	
Shale	5371		
TD			

-5848/

47-017-0 ~~4119~~ 4119 of

dated 4/11/94

1) Well Operator: Fluharty Enterprises, Inc. 17490 (7) 526  
2) Operator's Well Number: Bradley Leggett #2 Well 3) Elevation: 1,023'  
4) Well type: (a) Oil    / or Gas XX / Expres 411196

18985

5) Proposed Target Formation(s): Riley, Benson & Alexander

6) Proposed Total Depth: 5,500 feet

7) Approximate fresh water strata depths: 125'

8) Approximate salt water depths: 1,250'

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes    / No XX /

11) Proposed Well Work: Drill & Stimulate new well.

12)

**CASING AND TUBING PROGRAM**

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	FOOTAGE INTERVALS	CEMENT
Conductor	16"			40'	40' <u>945910113</u>	Fill-up (cu. ft.)
Fresh Water	11 3/4		42#	160'	160' <u>→ 160'</u>	<u>CTS 1000</u>
Coal	8 5/8		23#	1,500'	1,500' <u>→ 1,500'</u>	CTS
Intermediate					<u>3059 11.2.2</u>	
Production	4 1/2		10 1/2#	5,200'	5,200' <u>→</u>	400 sks
Tubing						<u>3059 1941</u>
Liners						RECEIVED WW Division

PACKERS : Kind    Sizes    Depths set    APR 11 1994

check 31 Permitted Office 6

For Office of Oil and Gas Use Only

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

1) Date: March 22, 1994  
2) Operator's well number  
Bradley Leggett #2 Well  
3) API Well No: 47 - 017 - 4119  
State - County - Permit

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

**RECEIVED**

4) Surface Owner(s) to be served:

(a) Name ~~Samuel F. Hildeman~~ Andy M.  
Address Rt. 1, Box 78  
West Union, WV 26456

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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

(b) Coal Owner(s) with **RECEIVED**  
Name N/A Division of Environmental Protection  
Address \_\_\_\_\_

Name \_\_\_\_\_ Permitting Office  
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 XX 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.

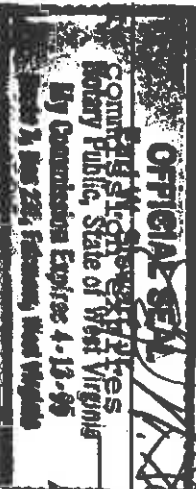
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Phiberty Enterprises, Inc.  
By: \_\_\_\_\_  
Its: President  
Address P. O. Box 226  
Salem, WV 26426

Subscribed and sworn before me this 22nd day of March, 1994

Notary Public



APRIL 13, 1995