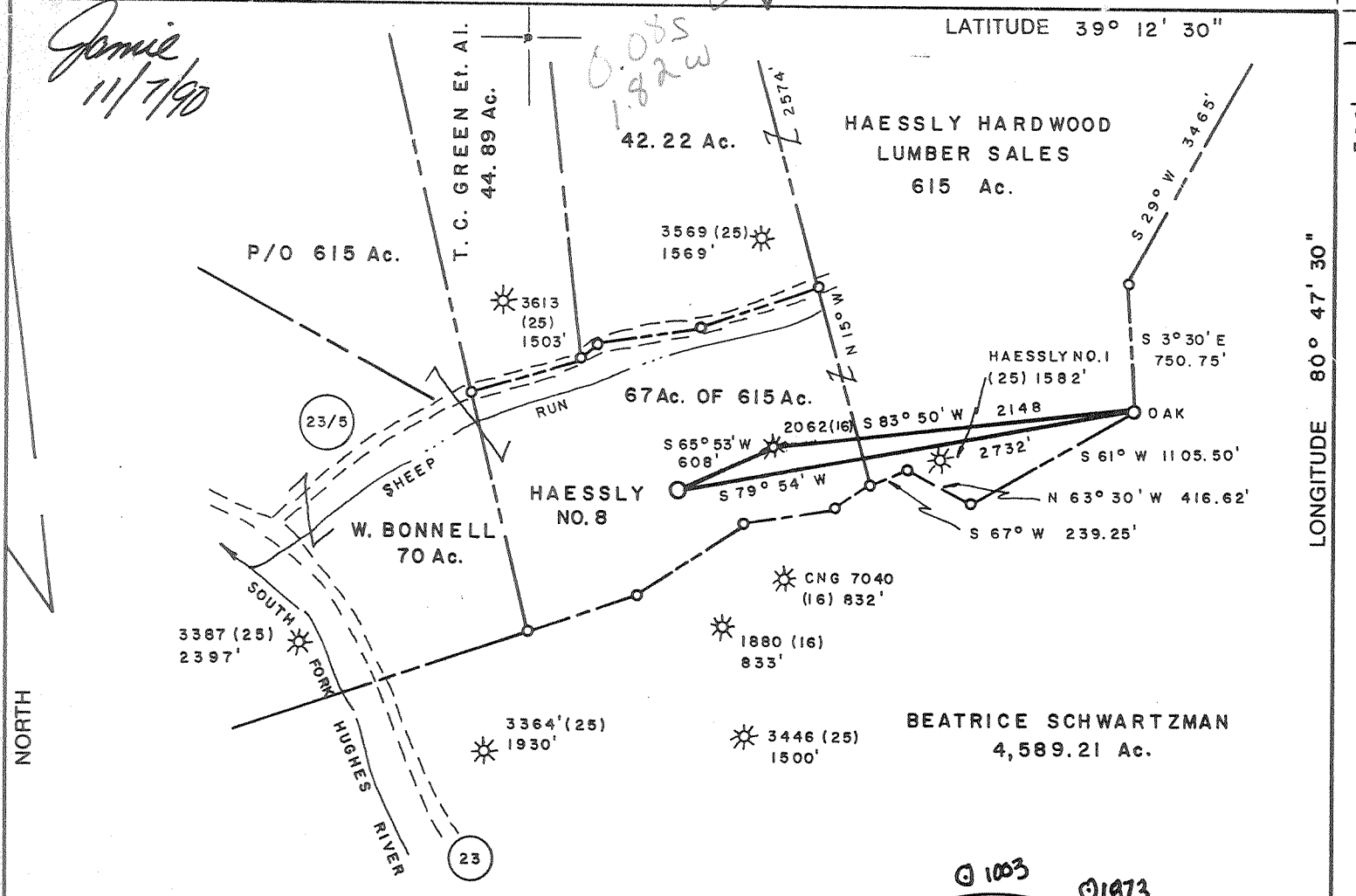
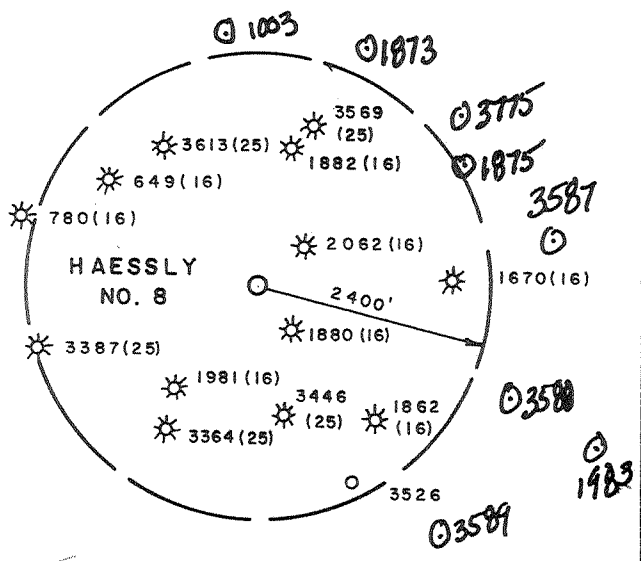


Janie
11/7/90



WELL REF:
 LOC. TO 5" MAPLE S 38° 15' W 120'
 LOC. TO 5" HICKORY S 23° 00' E 93'

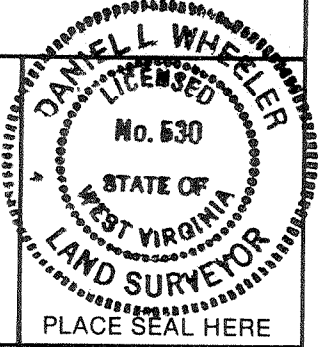
D. L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV. 26301
 304 - 623 - 5851



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL API # 3728
 ELEV. 1313'

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.
 (SIGNED) *Daniel L. Wheeler*
 R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE AUGUST 31, 19 90
 OPERATOR'S WELL NO. HAESSLY NO. 8
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1101' WATERSHED SHEEP RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5'
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES, INC. ACREAGE 67 OF 615
 OIL & GAS ROYALTY OWNER ELI NUTTER HRS. LEASE ACREAGE 615
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500'
 WELL OPERATOR FLUHARTY ENTERPRISES, INC. DESIGNATED AGENT THOMAS J. FLUHARTY
 ADDRESS P.O. BOX 226 396 ADDRESS P.O. BOX 226
 SALEM, WV. 26426 SALEM, WV. 26426

6-6 Straight Fork-Bluestone Creek (133)

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

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Division of Energy

Well Operator's Report of Well Work

FEB 20 91

Farm name: HAESSLEY HARDWOOD LUMBER Operator Well No.: 8

Drilling
Oil and Gas Section

LOCATION: Elevation: 1101.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 390 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 9570 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: FLUHARTY, THOMAS J. OR RE
P. O. BOX 187
SALEM, WV 26426-0000

Agent: THOMAS J. FLUHARTY

Inspector: MIKE UNDERWOOD
Permit Issued: 11/16/90
Well work Commenced: 12/19/90
Well work Completed: 12/30/90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5,426'
Fresh water depths (ft) 70', 440'
Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1,371-1,375'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	208'	208'	CTS
8 5/8"	1467'	1467'	CTS
4 1/2"	5250'	5250'	650 sks

OPEN FLOW DATA

Producing formation Alexander & Benson Pay zone depth (ft) 5054-5090
Gas: Initial open flow 1,314 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 972 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 1,590 psig (surface pressure) after 24 Hours

Second producing formation Riley & Balltown Pay zone depth (ft) 4128-4379
Gas: Initial open flow 1,314 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 972 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1,590 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: Thomas J. Fluharty
FLUHARTY, THOMAS J. OR BEVA I.

By: Thomas J. Fluharty
Date: February 15, 1991

FEB 25 1991

Haessly #8 Well (47-017-3863)

1st Stage Alexander & Benson Perforated from 5054-5090' 10 holes (.39)
 Perforated from 4784-4786' 3 holes (.39)
 582 Bbl H2O, 500 gal. 15% HCL, 9,500# 80/100
 54,200# 20/40 sand

2nd State Riley Perforated from 4128-4379' 11 holes (.39)
 545 Bbl H2O, 500 gal. 15% HCL, 9,500# 80/100
 34,300# 20/40 sand

3rd State Balltown Perforated from 3654-3751' 14 holes (.39)
 552 Bbl H2O, 500 gal. 15% HCL, 7,540# 80/100
 32,880# 20/40 sand

Well Log:

Formation	Top	Bottom	Remarks
Fill	0	36	
Red Rock & Shale	36	220	½" stream of water @ 70
Shale	220	780	½" stream or water @ 440
Red Rock & Shale	780	1155	Gas Smell @ 1040'
Sand & Shale	1155	1371	
Coal	1371	1375	
Sand & Shale	1375	1816	
Big Lime	1816	1905	
Sand & Shale	1905	2520	
Shale	2520	2895	
Sand & Shale	2895	4650	
Benson Stray	4650	4660	
Shale	4660	4784	
Benson	4784	4787	
Shale	4787	5052	
Alexander	5052	5118	
Shale	5118	5426	Open Flow @ TD 65 Mcf

TD 5426

11504

OCT 31 90

017-3863 Issued 11/16/90

Expires 11/16/92

FORM WW-2B

Permitting Oil and Gas Section

Page ___ of ___

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

- 1) Well Operator: Fluharty Enterprises, Inc. 17480 (7) 525
2) Operator's Well Number: #8 3) Elevation: 1101'
4) Well type: (a) Oil ___ / or Gas X/
(b) If Gas: Production X/ Underground Storage ___ / Deep ___ / Shallow X/
5) Proposed Target Formation(s): Riley, Benson & Alexander
6) Proposed Total Depth: 5,500 feet
7) Approximate fresh water strata depths: 100'
8) Approximate salt water depths: 844'
9) Approximate coal seam depths: None
10) Does land contain coal seams tributary to active mine? Yes ___ / No X/
11) Proposed Well Work: Drill and stimulate new well.
12)

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

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

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Division of Energy

OCT 31 90

- 1) Date: October 29, 1990
- 2) Operator's well number #8
- 3) API Well No: 47 - 017 - 3863
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 Haessly Hardwood Lumber Sales
Address R. D. #1, Box 185
Marietta, OH 45750
 - (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 _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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)

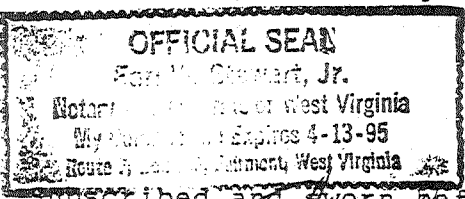
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
XX Certified Mail (Postmarked postal 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 Fluharty Enterprises, Inc.
By: Thomas J. Fluharty
Its: President
Address P. O. Box 226
Salem, WV 26426
Telephone 304-782-3831



Subscribed and sworn before me this 29th day of October, 1990

Ed M. Stewart, Jr.
Notary Public

Notary Public

My commission expires April 13, 1995