

Jamie
12/4/92

5,050'
LATITUDE 39° 12' 30"

LONGITUDE 80° 05' 08"
14,900'

S70° W 1,023'

N00° 30' E

2,574'

DONALD E. & RITA J. HARRIMAN (SURFACE)
6T 109/160 ACRES

D. BALL
130 ACRES

ELMER W. & SHARON PIERCE
67.78 ACRES

WV. RT. NO. 22/2

DONALD E. & RITA J. HARRIMAN (SURFACE)
20.62 ACRES

WELL REFERENCES

LOC. TO 16" MAPLE S13°30'W 98'
LOC. TO 3" DOGWOOD S48°38'E 119'

D. L. WHEELER & ASSOCIATES, INC.
J. F. ALLEN BUILDING, SUITE 200
600 DAVISSON RUN ROAD
CLARKSBURG, WEST VIRGINIA 26301
Tele. Ph.: 304-623-5851
Fax. No.: 304-623-6131

5.72
0.95

S01° 30' W

N14° 53' W

915.75'

N59° 51' W 136'

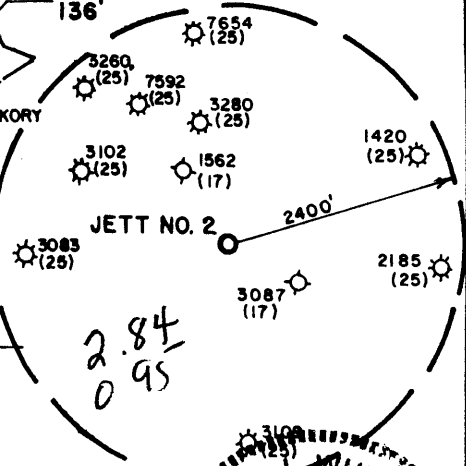
JETT NO. 2

N72° 38' E 1089'

N77° 30' E 1185'

BRIAN W. & DIANE D. HARRIMAN
38 ACRES & 103.75 ACRES

WELL (16)
914'

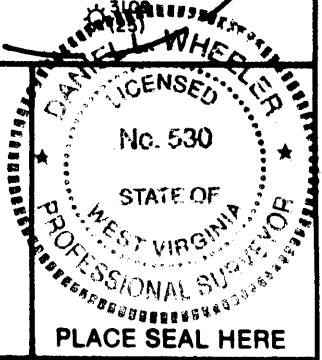


BRYAN W. VANSANT
MARK L. VANSANT
KIRK F. VOSLOE
86 ACRES
JETT NO. 1
1828'

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION WELL API NO. 7186
ELEV. = 1060'

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 NOVEMBER, 30, 1992
OPERATOR'S WELL NO. JETT NO. 2
API WELL NO. 47-085-08157
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1110' WATERSHED BEAR RUN
DISTRICT UNION 4 COUNTY RITCHIE

SURFACE OWNER KURT VOSLOE, MARK VANSANT, BRIAN VANSANT ACREAGE 20.62
OIL & GAS ROYALTY OWNER MYRTLE, RALPH & EVA JETT LEASE ACREAGE 168

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 5300'
WELL OPERATOR FLUHARTY ENTERPRISES, INC. DESIGNATED AGENT THOMAS J. FLUHARTY
ADDRESS P O BOX 226 3916 ADDRESS P O BOX 226
SALEM, WV. 26426 6-6 132 SALEM, WV. 26426

COUNTY NAME
PERMIT

WR-39
RECEIVED
WV Division of
Environmental Protection

API # 47- 85-08151

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

SEP 18 1995

Well Operator's Report of Well Work

Permitting Office of Oil & Gas
Farm name: GRANSANT, BRIAN W. ETAL Operator Well No.: JETT #2

LOCATION: Elevation: 1110.00 Quadrangle: OXFORD
District: UNION County: RITCHIE
Latitude: 14900 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 5050 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: THOMAS J. FLUHARTY

Inspector: SAMUEL HERSMAN
Permit Issued: 12/04/92
Well work Commenced: 12/10/92
Well work Completed: 12/16/92
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5,462'
Fresh water depths (ft) none reported
Salt water depths (ft) 1,800'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 120-123'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	40'	0	
11 3/4"	131'	131'	cts
8 5/8"	1,523'	1,523'	cts
4 1/2"	5,322'	5,322'	391 sks

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5100-5160'
Gas: Initial open flow 100 MCF/d Oil: Initial open flow trace Bbl/d
Final open flow 100 MCF/d Final open flow trace Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1,400 psig (surface pressure) after 24 Hours

combined Second producing formation Benson Stray Pay zone depth (ft) 4770-4785'
Gas: Initial open flow 100 MCF/d Oil: Initial open flow trace Bbl/d
Final open flow 100 MCF/d Final open flow trace Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1,400 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.

Fluharty Enterprises, Inc.
For: FLUHARTY, THOMAS J. OR REVA I.

By: Thomas J. Fluharty
Date: June 21, 1993

<u>Formation</u>	<u>From</u>	<u>To</u>	<u>Comments</u>
Top Soil	0	5	
Sand	5	55	
Sandy Shale	55	120	
Coal	120	123	
Sand & Shale	123	378	
Shale & Red Rock	378	1191	
Sandy Shale	1191	1899	
Lime	1899	2029	
Sand	2029	2170	
Sand & Shale	2170	2220	
Sand	2220	2350	
Shale	2350	2710	
Sand	2710	2716	
Shale	2716	4768	
Benson Stray	4768	4781	
Shale	4781	5100	
Alexander	5100	5160	
Shale	5160	5462	
TD		5462	

RECEIVED
DEC 03 92
Permitting
Office of Oil & Gas

Page 1 of _____
Form WW2-A
(09/87)
File Copy

1) Date: December 1, 1992
2) Operator's well number
Jett #2 Well
3) API Well No: 47 - 085 - 8151
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 Brian Van Sant
Address 2802 Jett Rd
Marshall WV 24504
(b) Name Mar Clark J. Vahel
Address 14106 HARRISVILLE RD
MT. AIRY MO. 21771
(c) Name Kurt J. Vahel KURT
Address 2529 Fern Hill Rd
WV Hill MO 21771
6) Inspector Sam Hersman
Address Rt. 1, Box 240
Harrisville, WV 26362
Telephone (304)- 628-3185

5) (a) Coal Operator:
Name BRIAN VAN SANT
Address n/a
(b) Coal Owner(s) with Declaration
Name MARK VAN SANT
Address n/a
VASANT
(c) Coal Lessee with Declaration
Name n/a
Address _____

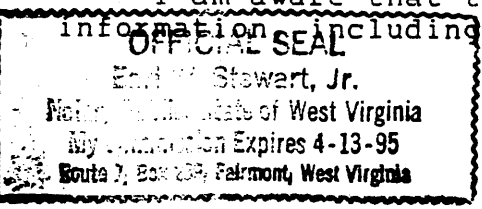
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X 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 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 1st day of December, 1992

My commission expires 4/13/95 Notary Public

RECEIVED

WV Division of
FORM WVP-100 Environmental Protection

085-8151
dated 12/04/92

Page _____ of _____
Expires 12/04/94

DEC 03 1992

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Permitting
Office of Oil & Gas

- 1) Well Operator: Fluharty Enterprises, Inc. 17480 (4) 525
- 2) Operator's Well Number: Jett #2 Well 3) Elevation: 1,110'
- 4) Well type: (a) Oil / or Gas X/
- (b) If Gas: Production X/ Underground Storage /
Deep / Shallow /
439
- 5) Proposed Target Formation(s): Riley, Benson & Alexander
- 6) Proposed Total Depth: 5,400' feet
- 7) Approximate fresh water strata depths: 75'
- 8) Approximate salt water depths: 1,400'
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Drill & Stimulate
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"			40'	0	
Fresh Water	11 3/4		42#	120'	120'	cts
Coal						
Intermediate	8 5/8		23#	1,470'	1,470'	cts
Production	4 1/2		10 1/2#	5,300'	5,300'	300 sks
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

C #35 / 41
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP