

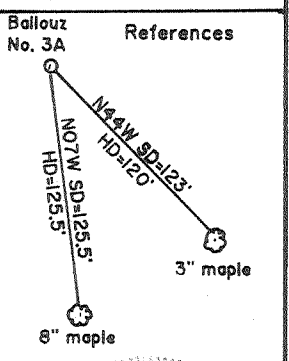
7,800'
LATITUDE 39-25-00 N

LONGITUDE 80-37-30 W
12,250'

NORTH

FILE NO. _____
DRAWING NO. _____ / _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION spot elev. 1070' SW of location; Elev. 1345'

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) David Z. Jackson
R.P.E. _____ L.L.S. 708



PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS



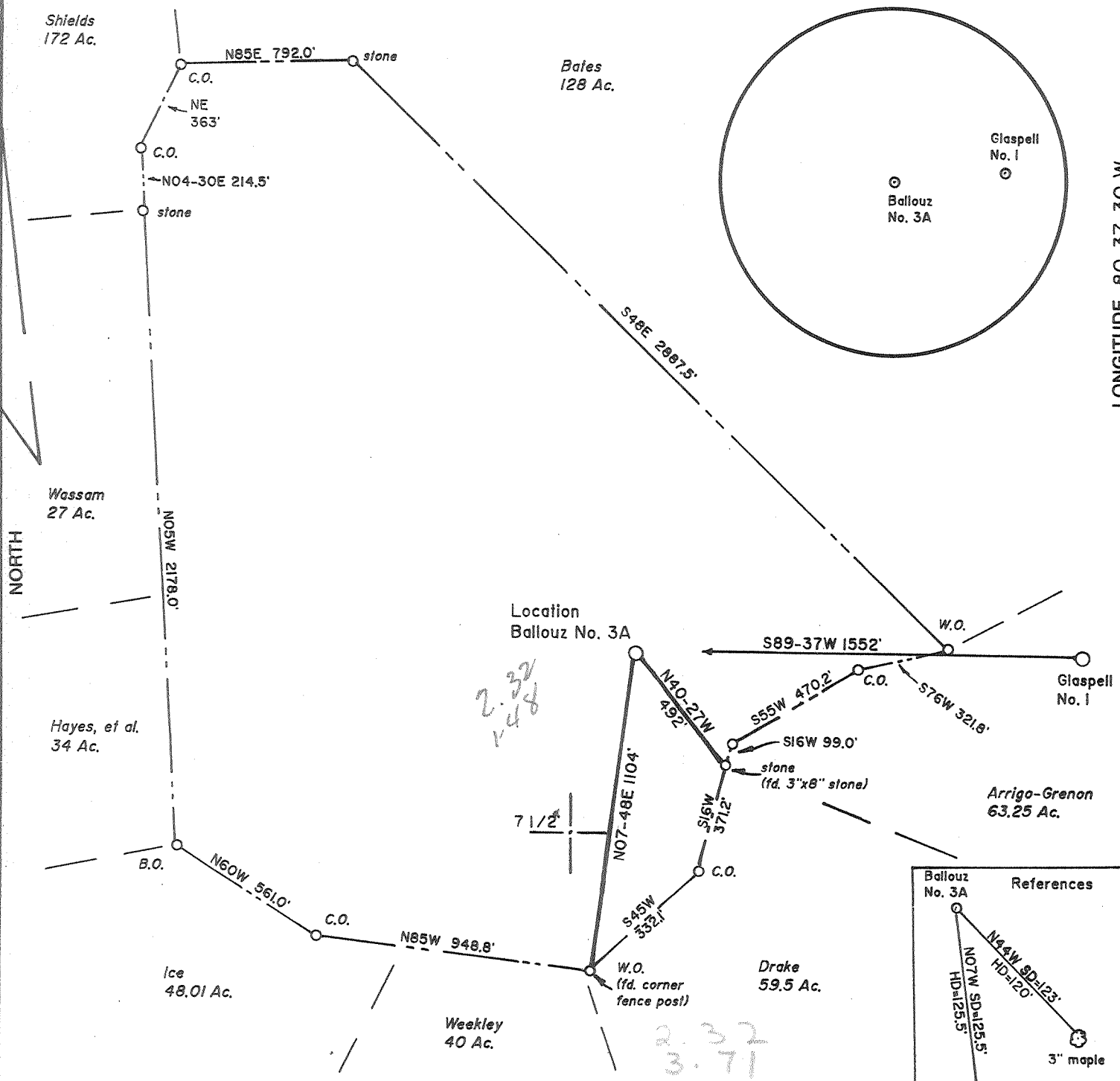
DATE September 24, 1991
OPERATOR'S WELL NO. Ballouz No. 3A
API WELL NO. 47-017-3916

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1197' WATER SHED McElroy Creek
DISTRICT McClellan COUNTY Doddridge
QUADRANGLE Center Point 7 1/2'
SURFACE OWNER Guy Bates, et al. ACREAGE 248.0
OIL & GAS ROYALTY OWNER Joseph M. Ballouz, et al. LEASE ACREAGE 248.0
LEASE NO. 440900, 440800
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 Benson ESTIMATED DEPTH 5000
WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns
ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

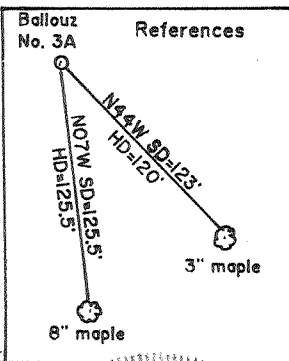
COUNTY NAME Dodd
PERMIT 3916

LATITUDE 39-25-00 N

LONGITUDE 80-37-30 W



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



FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION spot elev. 1070' SW of location; Elev. 1345'

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) David Z. Jackson
 R.P.E. _____ L.L.S. 708

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS



DATE September 24, 1991
 OPERATOR'S WELL NO. Ballouz No. 3A
 API WELL NO. _____

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

LOCATION: ELEVATION 1197' WATERSHED McElroy Creek
 DISTRICT McClellan S COUNTY Doddridge

QUADRANGLE Center Point 7 1/2'
 SURFACE OWNER Guy Bates, et al. ACREAGE 248.0

OIL & GAS ROYALTY OWNER Joseph M. Ballouz, et al. LEASE ACREAGE 248.0
 LEASE NO. 440900, 440800

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 Benson ESTIMATED DEPTH 5000

WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

OCT 18 1991

COUNTY NAME
 PERMIT

017-3916

Issued 10/18/91

Page of

Expires 10/18/93

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

- 1) Well Operator: 687 Petroleum Development Corporation 38200 (5) 286
- 2) Operator's Well Number: Ballouz #3A 3) Elevation: 1197'
- 4) Well type: (a) Oil / or Gas X /
 (b) If Gas: Production X / Underground Storage X /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 210, 975, 1585
- 8) Approximate salt water depths: None reported
- 9) Approximate coal seam depths: 213, 654, 1352
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: Drill & stimulate new well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	H-40	42	30	<u>175' CTB</u>	
Fresh Water				<u>38CSP18 1.3</u>		<u>O.K. 11/16/91</u>
Coal				<u>38CSP18 11.2.2</u>		
Intermediate	8 5/8	H-42	20#	<u>1830'</u>	<u>1830' 1390'</u>	Surface
Production	4 1/2	J-55	10.5	5500	5500	400 sks
Tubing				<u>38CSP18 11.1</u>		
Liners						

RECEIVED

Division of Energy

OCT 02 1991

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

Fee(s) paid Well Work Permit Reclamation Fund WPCP
 Flat WW-9 WW-2B Bond Surety Blanket Agent
 (Type)

13027

0861264

1) Date: 09/27/91
2) Operator's well number
Ballouz #3A
3) API Well No: 47 - 017 - 3916
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

DEPARTMENT OF ENERGY

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

OCT 02 91

4) Surface Owner(s) to be served:
(a) Name Guy Bates
Address C.P. Star Route, Box 144
West Union, WV 26456
(b) Name Dorothy A. Moses
Address 93 West High Street
Salem, WV 26426
(c) Name William Asher
Address 511 Collins Ave.
Centerville, GA 31028
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304) - 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name No declaration of record
Address _____
(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

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:

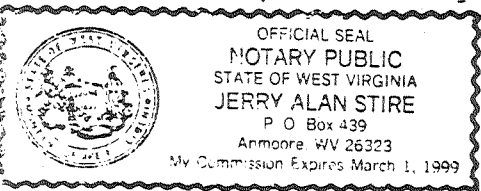
- _____ Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 PetroTeam Development Corporation
By: [Signature]
Its: Geologist
Address P.O. Box 26
Bridgeport, WV 26330
Telephone 304-842-6256



Subscribed and sworn before me this 30th day of September, 1991

My commission expires March 1, 1999 Notary Public