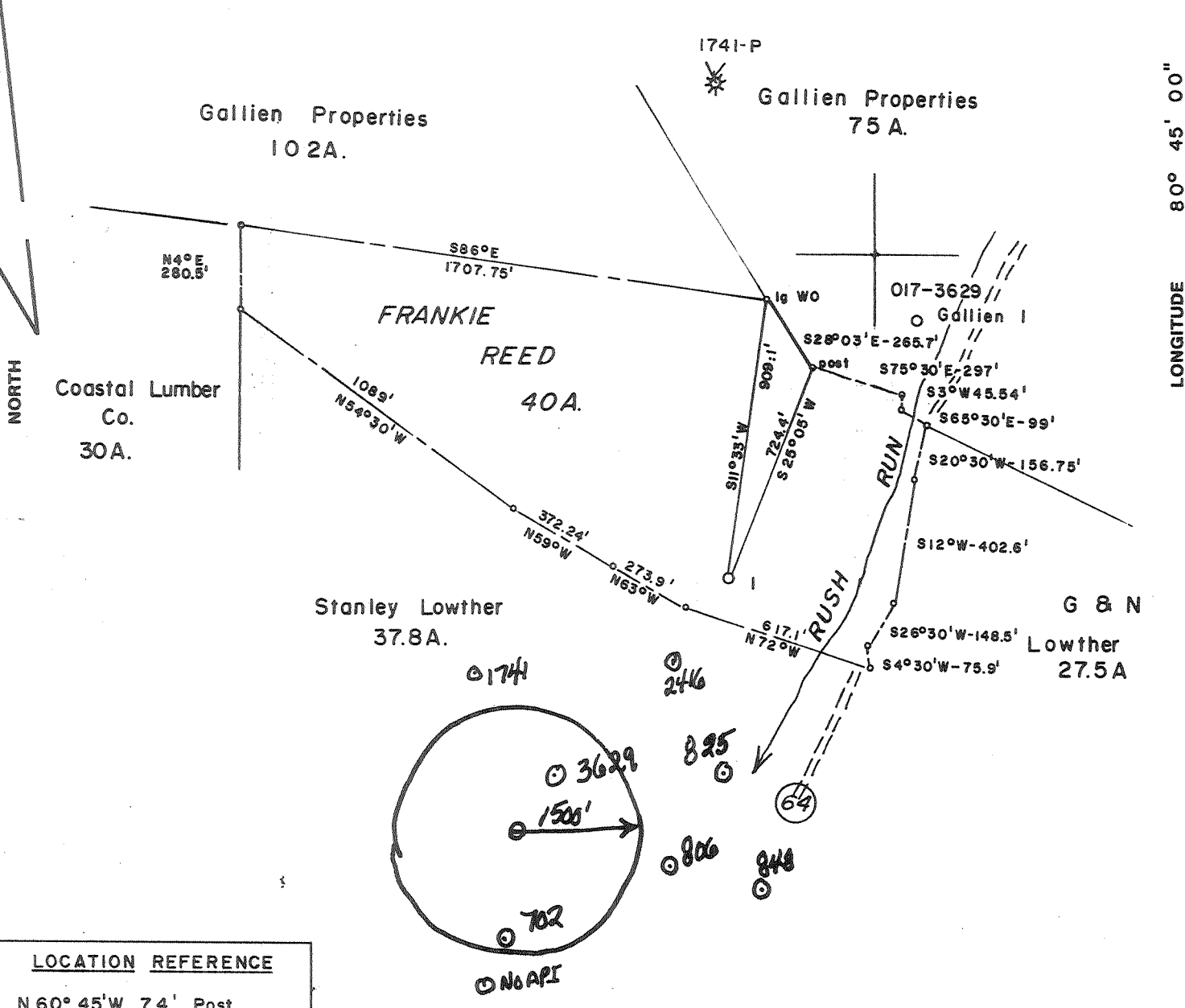


Janie 12/8/89

LATITUDE 39° 07' 30"

4175'

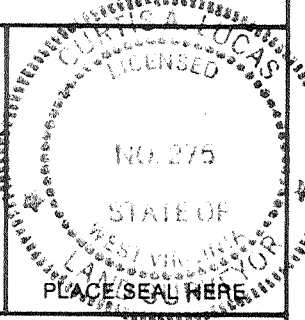


LONGITUDE 80° 45' 00"

LOCATION REFERENCE
 N 60° 45' W 74' Post
 S 26° 30' W 96' Cor. Bldg.

FILE NO. 1
 MAP _____ SQS _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200'
 PROVEN SOURCE OF ELEVATION Gallien No. 1 (47-017-3629)
El. 842

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 MINES.
 (SIGNED) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE Dec 15, 19 88
 FARM E. Reed NO. 1
 API WELL NO.

47 - 017 - 3771
 STATE COUNTY PERMIT
Cancelled

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 831.4 WATER SHED Rush Run
 DISTRICT Cove COUNTY Doddridge
 QUADRANGLE Auburn
 SURFACE OWNER Frankie Reed ETAL ACREAGE 40
 OIL & GAS ROYALTY OWNER Frankie Reed ETAL LEASE ACREAGE 40
 LEASE NO. _____
 PROPOSED WORK: DRILL 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 Gordon ESTIMATED DEPTH 3000
 WELL OPERATOR INTERSTATE DRILLING INC DESIGNATED AGENT KENNETH L. POTE
 ADDRESS RT 3, BOX 89-V ADDRESS RT 3, BOX 89-V
WESTON WV 26452 WESTON WV 26452

FORM IV-6 (8-78)

H. T. HALL

0509

0600 3771

Jamie 12/8/89

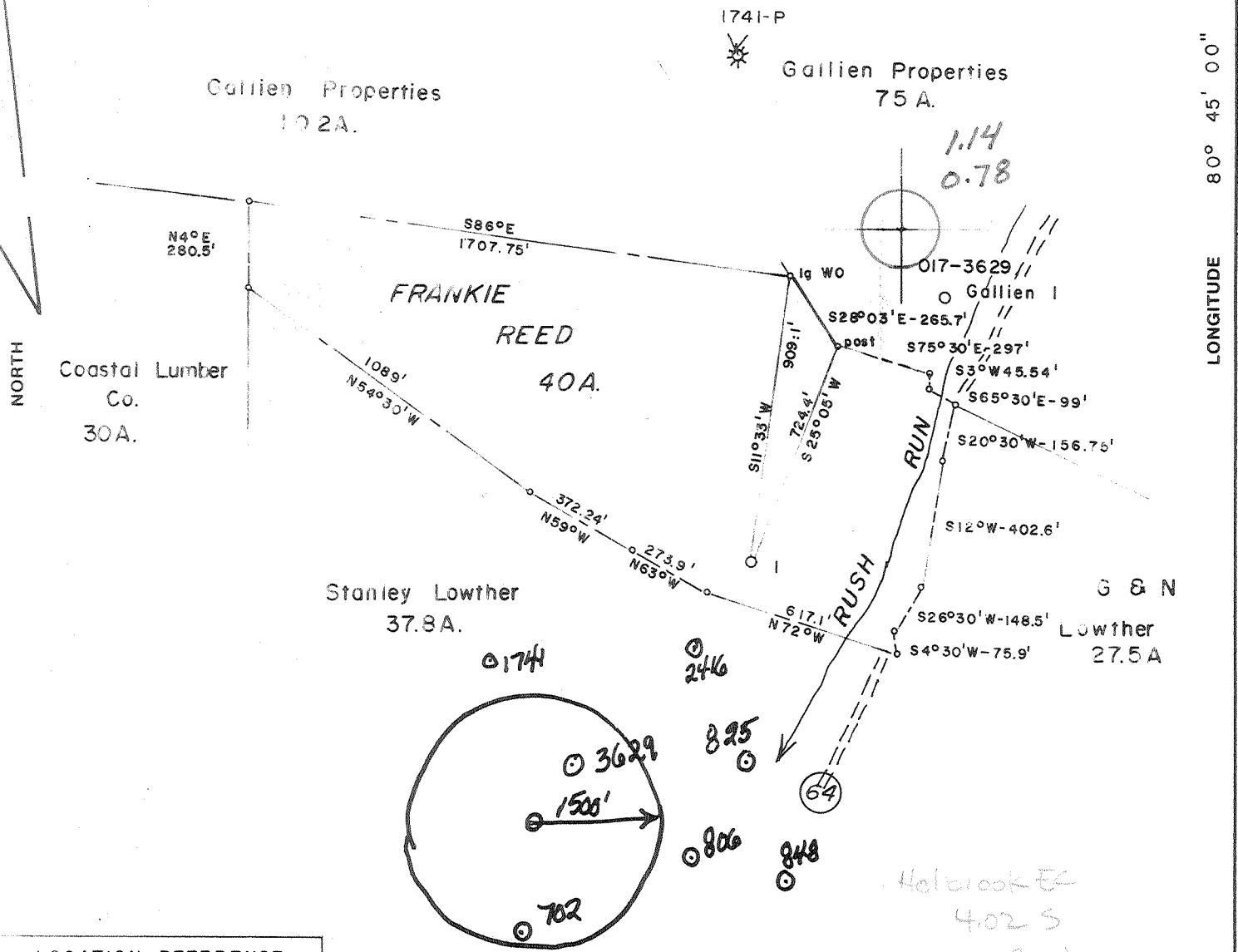
LATITUDE 39° 07' 30"

4175'

NORTH

LONGITUDE 80° 45' 00"

6050'



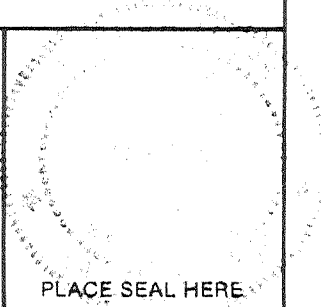
LOCATION REFERENCE

N 60° 45' W 74' Post
S 26° 30' W 96' Cor. Bldg.

FILE NO. 1
 MAP SQS
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200'
 PROVEN SOURCE OF ELEVATION Gallien No. 1 (47-017-3629)
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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



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 STATE COUNTY PERMIT

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 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
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 LOCATION: ELEVATION 831.4 WATER SHED Rush Run
 DISTRICT Cove 2 COUNTY Doddridge
 QUADRANGLE Auburn
 SURFACE OWNER Frankie Reed ETAL ACREAGE 40
 OIL & GAS ROYALTY OWNER Frankie Reed ETAL LEASE ACREAGE 40
 LEASE NO. _____
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 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Gordon ESTIMATED DEPTH 3000
 WELL OPERATOR INTERSTATE DRILLING INC DESIGNATED AGENT KENNETH L. POTE
 ADDRESS RT 3, BOX 89-V WESTON WV 26452 ADDRESS RT 3, BOX 89-V WESTON WV 26452

DEC 22 1989

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

- 1) Well Operator: Interstate Drilling, Inc. ⁹¹¹ 23950 (2) 224
- 2) Operator's Well Number: Reed #1 3) Elevation: 831.4'
- 4) Well type: (a) Oil / or Gas /x/
(b) If Gas: Production /x/ Underground Storage /
Deep / Shallow /x/
- 5) Proposed Target Formation(s): Gordon 419
- 6) Proposed Total Depth: 3,000 feet
- 7) Approximate fresh water strata depths: 250 feet 273', 82'
- 8) Approximate salt water depths: 1523'
- 9) Approximate coal seam depths: No Coal
- 10) Does land contain coal seams tributary to active mine? Yes / No /x/
- 11) Proposed Well Work: Drill and Stimulate New Formation
- 12) Drill & Stimulate New Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	J-55	42#	20'	0'	
Fresh Water						
Coal						3865818-11.3
Intermediate	8-5/8"	J-55	20#	850'	850'	Cement to Surface
Production	4-1/2"	J-55	10.5#		2850'	3865818-11.1
Tubing						
Liners						

RECEIVED
DEC 05 1989

PACKERS : Kind _____
Sizes _____
Depths set _____

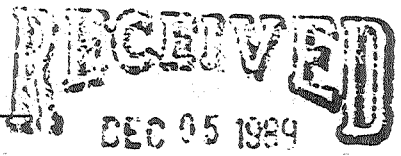
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

1164
31

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

17-3771



Page 1 of 2
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: December 1, 1989
2) Operator's well number
Reed #1
3) API Well No: 47 - 017 -
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 Thomas Harvey
Address Rt. 1, Box 30-A
Bridgeport, WV 26330
(b) Name Donald M. May
Address 19842 West Ave. of the Oaks
Newhall, CA 91321
(c) Name Susan V. Drennan, Pers. Rep. for
Address Mary Stout Gulnac Estate
Rt. 1, Box 165-A
Galena, KS 66739
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 COAL--
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
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)
x 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 INTERSTATE DRILLING, INC.
By: [Signature]
Its: Secretary-Treasurer/Manager of Operations
Address Rt. 3, Box 89-V
Weston, WV 26452
Telephone 304-269-6441

Subscribed and sworn before me this 1st day of December, 1989

[Signature] Notary Public
My commission expires October 31, 1994