

(+) 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 Road junction 3200' NW of Location; elev. 2149'

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 J. Jackson
 R.P.E. _____ L.L.S. 708

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE January 23, 19 97
 OPERATOR'S WELL NO. S. Wright No. 4
 API WELL NO. 47-077-00310

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

LOCATION: ELEVATION 2236 WATER SHED Glade Run
 DISTRICT Grant COUNTY Preston
 QUADRANGLE Brandonville 7 1/2'

SURFACE OWNER Shirley Wright ACREAGE 145.58
 OIL & GAS ROYALTY OWNER Shirley Wright LEASE ACREAGE 145.58
 LEASE NO. 521800

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Benson ESTIMATED DEPTH 5060' 5600'
 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

MAR 22 1999

FORM WW-6

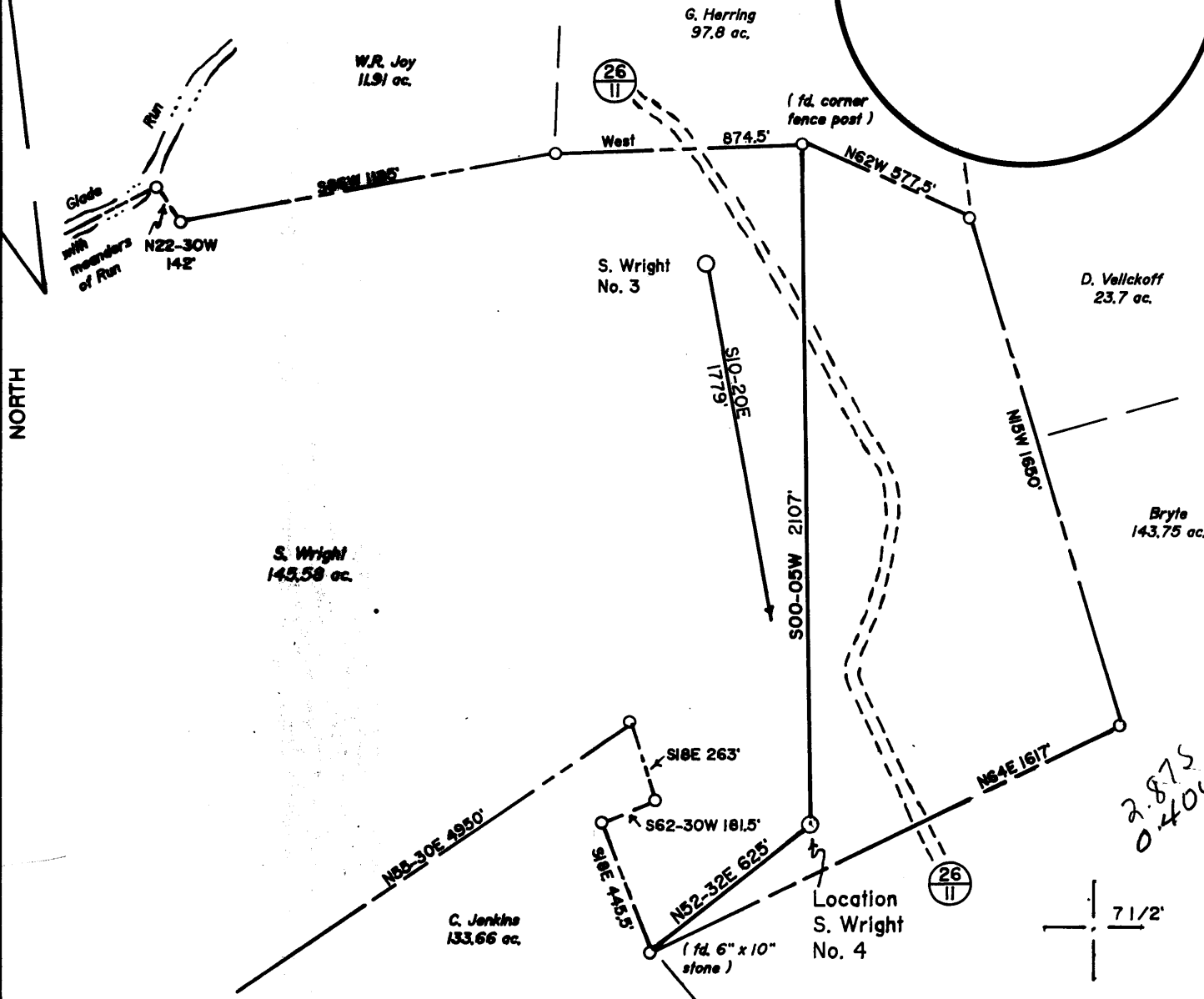
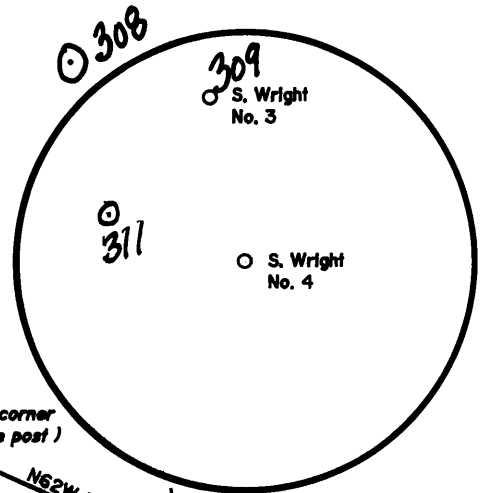
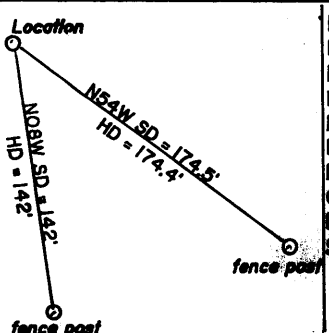
COUNTY NAME PRE PERMIT 0310

Brandonville

LATITUDE 39-45-00 N

LONGITUDE 79-32-30 W

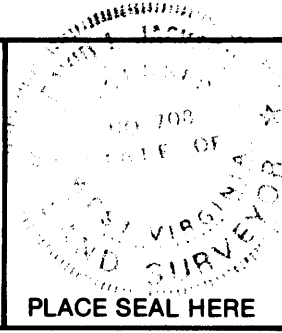
*Janice
2/24/97*



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NW of Location: elev. 2149'

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 (SIGNED) David T. Jackson
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STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS



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 API WELL NO. _____

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Ch. Judd

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Benson ESTIMATED DEPTH 5060' 5600' FEB 28 1997
 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

FORM WW-6

COUNTY NAME

PERMIT

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: PETROLEUM DEVELOPMENT CORPORATION ⁶⁸⁷ 38200 ① 264
- Operator's Well Number: S. Wright #4 3) Elevation: 2236'
- Well type: (a) Oil ___ / or Gas XX / *Issued 02/24/97*
 (b) If Gas: Production XX / Underground Storage ___ / *Expires 02/24/99*
 Deep ___ / Shallow XX /
- Proposed Target Formation(s): Elk Sands ⁴³⁷
- Proposed Total Depth: 5600' feet
- 7) Approximate fresh water strata depths: 175'; 280'; 465'; 510'
- 8) Approximate salt water depths: None Reported
- 9) Approximate coal seam depths: None Reported
- 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	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	H-40	42#	30'	-----	-----
Fresh Water						
Coal						
Intermediate	8 5/8"	H-40	20/23#	770'	770'	38CSR18-11.3 38CSR18-11.2,2
Production	4 1/2"	J-55	10.5#	5600'	5600'	38CSR18-11.1 450 sks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Blanket Agent

(Type)

Environmental Protection
FEB 07 1997
Permitting
Office of Oil & Gas

23225

24

1) Date: January 27, 1997
2) Operator's well number S. Wright #4
3) API Well No: 47 - 077 - 0311
State County Permit

FEB 07 1997
Permitting
Office of Oil and Gas

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Shirley Wright Name _____
Address Rt. 4, Box E4 Address _____
Bruceston Mills, WV 26525
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Phillip Tracy (c) Coal Lessee with Declaration
Address Rt. 2, Box 37-A Name _____
Montrose, WV 26283 Address _____
Telephone (304)- 636-8798

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

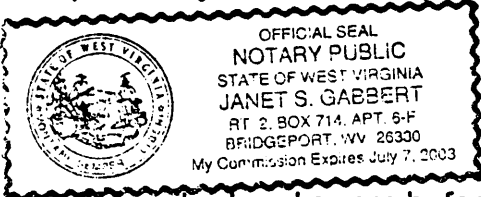
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

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

I have read and understand Chapter 22-6 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 PETROLEUM DEVELOPMENT CORPORATION
By: Eric R. Stearns
Its: V. P. Exploration & Development
Address P O Box 26
Bridgeport, WV 26330
Telephone 304-842-6256

Subscribed and sworn before me this 27th day of JANUARY, 1997

Janet S. Gabbert Notary Public
My commission expires July 7, 2003