

2.175
0.80W

Henckel
194.16 ac.

N90E 2986.5'

W.O.
(fd. 32"
W.O.)

J. Herring
27.2 ac.

PA
WV

S77-13W 1610'

S61-00E
134'

G. Herring
97.81 ac.

S87-53W 1924'

(fd. stonepile)

S43W
99'

Location
S. Wright
No. 1

S25W
371.2'

J. Herring
27.2 ac.

N56-38E 1499'

S4W 363'

NORTH

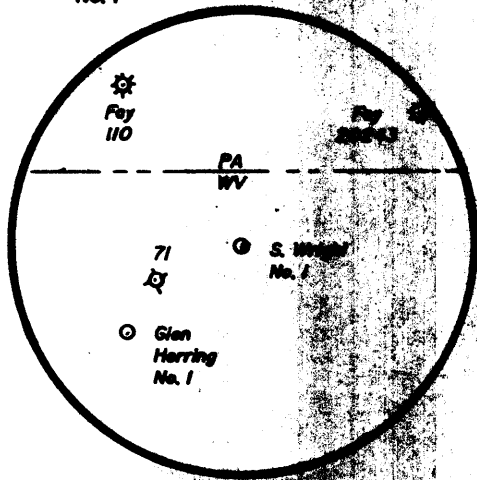
Glen
Herring
No. 1

S82-30W 495'

S68W 552.8'

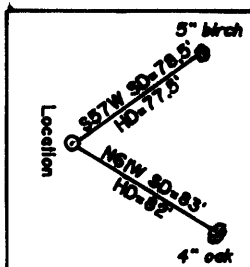
G. Herring
97.81 ac.

7 1/2'



26
12

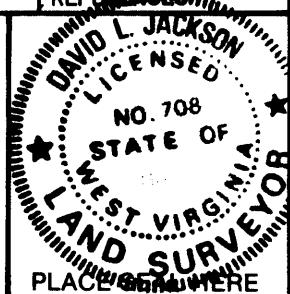
26
11



(+) 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 1050'
Southeast 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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) David L. Jackson
R.P.E. _____ L.L.S. 708



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



DATE August 19, 19 96
OPERATOR'S WELL NO. S. Wright No. 1
API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 2140 WATERSHED Big Sandy Creek
DISTRICT Grant COUNTY Preston
QUADRANGLE Brandonville 7 1/2'
SURFACE OWNER Shirley Wright ACREAGE 84.76
OIL & GAS ROYALTY OWNER Shirley Wright LEASE ACREAGE 85.75
LEASE NO. 521900

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) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Elk Sands ESTIMATED DEPTH 5500
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

JAN 13 1997

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

Permitting
Oil and Gas Well Operator's Report of Well Work

Farm name: WRIGHT, SHIRLEY Operator Well No.: S. WRIGHT #1

LOCATION: Elevation: 2,140.00 Quadrangle: BRUCETON MILLS

District: GRANT County: PRESTON
Latitude: 11400 Feet South of 39 Deg. 45Min. 0 Sec.
Longitude 4250 Feet West of 79 Deg. 32 Min. 30 Sec.

Company: PETROLEUM DEVELOPMENT COR
103 E. MAIN ST. - P.O. BOX 26
BRIDGEPORT, WV 26330-0026

Agent: ERIC STEARNS

Inspector: PHILLIP TRACY
Permit Issued: 09/12/96
Well work Commenced: 11/23/96
Well work Completed: 12/03/96
Verbal Plugging
Permission granted on:
Rotary ^x Cable _____ Rig _____
Total Depth (feet) 3315'
Fresh water depths (ft) _____
35; 88
Salt water depths (ft) _____
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): n/a

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 5/8"	23'		
7"	585'	585'	93 sks
4 1/2"	2993.9'	2993.9'	207 sks

OPEN FLOW DATA

Producing formation Sheffield Pay zone depth (ft) 2901-2895
 Gas: Initial open flow n/a MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 291 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 580 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ 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: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns
Date: January 10, 1997

JAN 21 1997

S. Wright #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Sheffield	18 (2901' - 2895')		300	500	30

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET
KB - GL	0	10
sand, shale, RR	10	522
Little Lime	522	534
sand, shale	534	546
Big Lime	546	638
sand, shale	638	646
Keener	646	720
sand, shale	720	724
Big Injun	724	826
sand, shale	826	916
Weir	916	1062
sand, shale	1062	1106
Gantz	1106	1144
sand, shale	1144	1190
50 ft	1190	1274
sand, shale	1274	1314
30 ft	1314	1342
sand, shale	1342	1728
4th	1728	1844
sand, shale	1844	1958
5th	1958	2030
sand, shale	2030	2043
Bayard	2043	2101
sand, shale	2101	2178
Warren	2178	2242
sand, shale	2242	2420
Speechley	2420	2644
sand, shale	2644	2654
Tiona	2654	2689
sand, shale	2689	2695
Balltown	2695	2845
sand, shale	2845	2875
Sheffield	2875	2891
sand, shale	2891	2945
Lower Sheffield	2945	2982
sand, shale	2982	3306

REMARKS: FRESH & SALT
WATER, COAL, OIL & GAS

Wet @35'

1/2" Water @88'

Drillers TD

3315

Logger TD

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

- 22496
- 1) Well Operator: PETROLEUM DEVELOPMENT CORPORATION ⁶⁸⁷ (1) 264
- 2) Operator's Well Number: S. Wright #1 3) Elevation: 2,140'
- Well type: (a) Oil ___ / or Gas XX / *Issued 09/12/96*
 (b) If Gas: Production XX / Underground Storage ___ / *Expires 09/12/98*
 Deep ___ / Shallow XX /
- Proposed Target Formation(s): Elk Sands ⁴³⁶
- Proposed Total Depth: 5,500' feet
- 7) Approximate fresh water strata depths: 80'; 185'; 370'; 415'
- 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)

RECEIVED
 Environmental Protection
 AUG 27 1996
 Permitting
 Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	11-3/4"	H-40	42#	30'	-----	-----
Coal						
Intermediate	8-5/8"	H-40	20/23#	580'	580'	38CSR18-11.3 38CSR18-11.2.2
Production	4-1/2"	J-55	10.5#	5,500'	5,500'	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 _____ Agent
 (Type)

5215
 03
 20

12

RECEIVED
WV Division of
Environmental Protection

AUG 27 1996

1) Date: August 21, 1996
2) Operator's well number
S. Wright #1
3) API Well No: 47 - 077 - 0303
State County Permit

Permitting
Office of Oil & 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:
(a) Name Shirley Wright
Address Rt. 4, Box 89
Bruceton Mills, WV 26525
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
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 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:

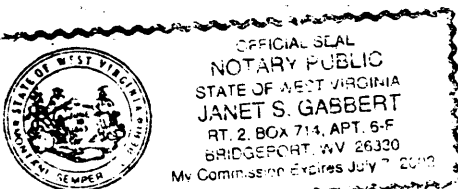
- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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: VP, Exploration & Development
Address P O Box 26
Bridgeport, WV 26330
Telephone 304-842-6256



Subscribed and sworn before me this 23RD day of AUGUST, 1996

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