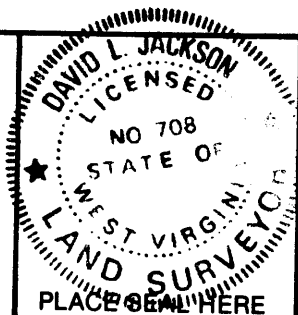


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 1750'
East 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 L. Jackson
 R.P.E. _____ L.L.S. 708



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



DATE August 13, 19 96
 OPERATOR'S WELL NO. G. Herring No. 1
 API WELL NO.

47 - 077 - 00300

RECEIVED
WV Division of
Environmental Protection

NOV 19 1996

Permitting
Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: HERRING, GLEN & ROZENA Operator Well No.: G. HERRING #1

LOCATION: Elevation: 2,155.00 Quadrangle: BRANDONVILLE

District: GRANT County: PRESTON
Latitude: 12250 Feet South of 39 Deg. 45Min. 0 Sec.
Longitude 5425 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: 09/09/96
Well work Commenced: 09/23/96
Well work Completed: 10/03/96
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 3340'
Fresh water depths (ft) _____
80: 30
Salt water depths (ft) _____
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): n/a

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 3/4"	21'		
7"	651'	651'	100 sks
4 1/2"	3050'	3050'	115 sks

OPEN FLOW DATA

Producing formation Sheffield Pay zone depth (ft) 2919-2923
Gas: Initial open flow n/a MCF/d Oil: Initial open flow 0 Bbl/c
Final open flow 411 MCF/d Final open flow 0 Bbl/c
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 600 psig (surface pressure) after 72 Hours

Second producing formation Balltown Pay zone depth (ft) 2687-2692
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/c
Final open flow co-mingled MCF/d Final open flow _____ Bbl/c
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: November 15, 1996

NOV 22 1996

Herring #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Sheffield	17' (2919' - 2923')		400	500	36
2nd	Balltown	20 (2687' - 2692')		400	500	35.5

W E L L L O G

FORMATION

TOP FEET BOTTOM FEET

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

KB - GL	0	10
sand, shale, RR	10	562
Little Lime	562	572
sand, shale	572	589
Big Lime	589	756
sand, shale	756	762
Keener	762	802
sand, shale	802	806
Big Injun	806	904
sand, shale	904	922
Weir	922	1106
sand, shale	1106	1148
Gantz	1148	1185
sand, shale	1185	1226
50 ft	1226	1295
sand, shale	1295	1302
30 ft	1302	1346
sand, shale	1346	1685
4th	1685	1877
sand, shale	1877	1975
5th	1975	2045
sand, shale	2045	2077
Bayard	2077	2138
sand, shale	2138	2220
Warren	2220	2286
sand, shale	2286	2530
Speechley	2530	2588
sand, shale	2588	2600
Tiona	2600	2638
sand, shale	2638	2660
Balltown	2660	2875
sand, shale	2875	2896
Sheffield	2896	2949
sand, shale	2949	3202
Lower Sheffield	3202	3260
sand, shale	3260	3340
		3365

Wet @30'

1/2" Water @80'

Drillers TD

Logger TD

AUG 22 1996 STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Office of Oil & Gas

- 1) Well Operator: PETROLEUM DEVELOPMENT CORPORATION 38200 ① 264
- 2) Operator's Well Number: G. Herring #1 3) Elevation: 2155'
- Well type: (a) Oil ___ / or Gas XX /
- (b) If Gas: Production XX / Underground Storage Deep / Shallow XX /
- Proposed Target Formation(s): Elk Sands
- Proposed Total Depth: 5,550' feet
- Approximate fresh water strata depths: 95'; 200'; 385'; 430'
- 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)

Issued 09/09/96
Expires 09/09/98

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'	-----	-----
Fresh Water						
Coal						
Intermediate	8-5/8"	H-40	20/23#	625'	625'	38CSR18-11.3
Production	4-1/2"	J-55	10/5#	5550'	5550'	38CSR18-11.2.2 450 sks
Tubing						38CSR18-11.1
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)

21491
27

RECEIVED
WV Division of
Environmental Protection
AUG 22 1996
Permitting
Office of Oil & Gas

Date: August 19, 1996
Operator's well number
G. Herring #1
API Well No: 47 - 077 - 0300
State County Permit

**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 Glen and Rozena Herring
Address RD #4,
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:

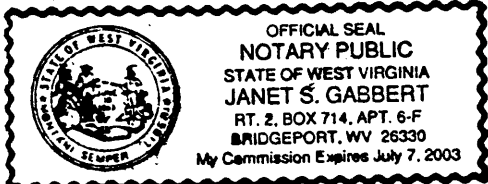
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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 19th day of August, 1996

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