

WR-35



State of West Virginia DEPARTMENT OF ENERGY Oil and Gas Division

Date Jan. 15, 1991 Operator's Well No. Holmes C#2 Farm M. Randell & L. Weaver API No. 47 - 77 - 00251

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow /) LOCATION: Elevation: 1899.52 Watershed Boyd Run District: Valley County Preston Quadrangle Newburg

COMPANY Phillips Petroleum Company (Opr. #38600)

ADDRESS Box 1967, Houston, TX 77251-1967

DESIGNATED AGENT Anthony Pellegrino

ADDRESS 110 Seemont Dr, Kingswood, WV

SURFACE OWNER Randall Weaver

ADDRESS P.O. Bx 72, Arthurdale, WV

MINERAL RIGHTS OWNER Patriot Mining Co.

ADDRESS Bx 3320, Morgantown, WV 26505

OIL AND GAS INSPECTOR FOR THIS Don Ellis 2604 CrabApple Ln, Fairmont, WV 26554

PERMIT ISSUED 8-10-89

DRILLING COMMENCED 11-3-89

DRILLING COMPLETED 12-2-89 (RDCT:6/19/90)

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON N/A

Table with 4 columns: Casing Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13 3/8, 9 5/8, 8 5/8, 7, 5, 4 1/2, 3, 2 3/8, and Liners used N/A.

GEOLOGICAL TARGET FORMATION: Helderberg Depth 8300' feet

Depth of completed well 8175' feet AIR X / Cable Tools

Water strata depth: Fresh 30' 95' 1200'

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth 7820' feet

Gas: Initial open flow 21,715 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 130 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 120 hours

Static rock pressure 2400 psig (surface measurement) after 60 hours shut in (If applicable due to multiple completion--) N/A DAYS

Second producing formation Pay zone depth

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

JAN 18 1991 stamp

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFS: 7820'-7886' (Huntsville Chert) with 3-3/8" csg gun @ 2 SPF, 90° phasing.

FRAC: 1964 bbls Pur-Gel + 120,000 lbs 20/40 Ottawa Sand and Ac-Frac + 200 SCF/bbl CO₂. Pumped down 2-7/8" tbg @ 20/BPM
 Max pressure: 8262 psi
 ISIP: 5219 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
5th. Sand			1865	1888	
Bayard			1966	2037	
1st Speechley			2696	2716	
2nd Speechley			2723	2741	
3rd Speechley			2778	2783	
Balltown			2891	2915	
Riley			3696	3718	
Benson			4005	4061	
Tully Limestone			7296	7416	
Marcellus			7550		
Onondaga			7648		
Huntersville			7662		
Oriskany			7856		
Helderberg			7940		

(Attach separate sheets as necessary)

Phillips Petroleum Company

Well Operator

By: P.D. Bairrington P.D. Bairrington (Prod.Engr.Dir.)

Date: 1-15-91

9/27

Note: Regulation 2.03(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including all encountered in the drilling of a well."

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

Issued 8/10/89 Expires 8/10/91

- 1) Well Operator: Phillips Petroleum Company 38600 (8) 506
- 2) Operator's Well Number: Holmes C-2 3) Elevation: 1899.52
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep X / Shallow /
- 5) Proposed Target Formation(s): Helderberg
- 6) Proposed Total Depth: 7950 feet
- 7) Approximate fresh water strata depths: 30', 95', 1200', 764', 109'
- 8) Approximate salt water depths: Unknown
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill and complete a gas 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	13-3/8"	H-40	48#	100'	100' <i>(CS)</i>	70
Fresh Water	9-5/8"	K-55	40#	1500'	1500' <i>(CS)</i>	470
Coal						<i>38CSR 18-11.3</i>
Intermediate						<i>38CSR 18-11.22</i>
Production	5"	K-55	13#	7950'	7950' <i>←</i>	<i>38CSR 18-11.1</i> 303
Tubing	2-3/8"	J-55	4.7#		7750'	
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
JUL 05 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

129920
15

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

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JUL 05 1989
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: June 21, 1989
Operator's well number
Holmes C#2
API Well No: 47 - 077 - 0251
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 M. Randall & Lorraine Weaver
Address P.O. Box 72
Arthurdale, W.VA 26520
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Don Ellis
Address 2604 Crab Apple Lane
Fairmont, W.VA 26554
Telephone (304)-534-5596

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Patriot Mining Company
Address P.O. Box 3320
Morgantown, W.VA 26505
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
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:
X Personal Service (Affidavit attached) (sfc owner & O&G inspector)
X Certified Mail (Postmarked postal receipt attached) (coal owner)
_____ 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 Phillips Petroleum Company
By: P.D. Bairrington (P.D. Bairrington)
Its: Production Engineering Director
Address Bx 1967
Houston, Texas 77251-1967
Telephone (713) 669-3553

Subscribed and sworn before me this 21st day of JUNE, 1989
My commission expires _____
MARK J. GOSS
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
APRIL 8, 1992
Notary Public