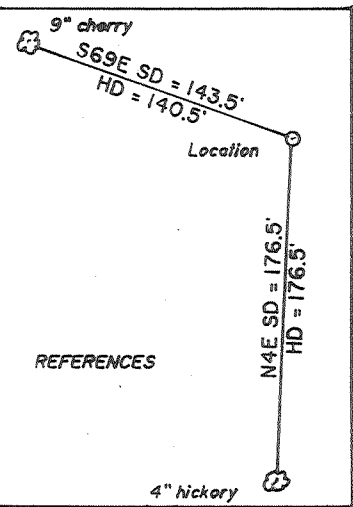
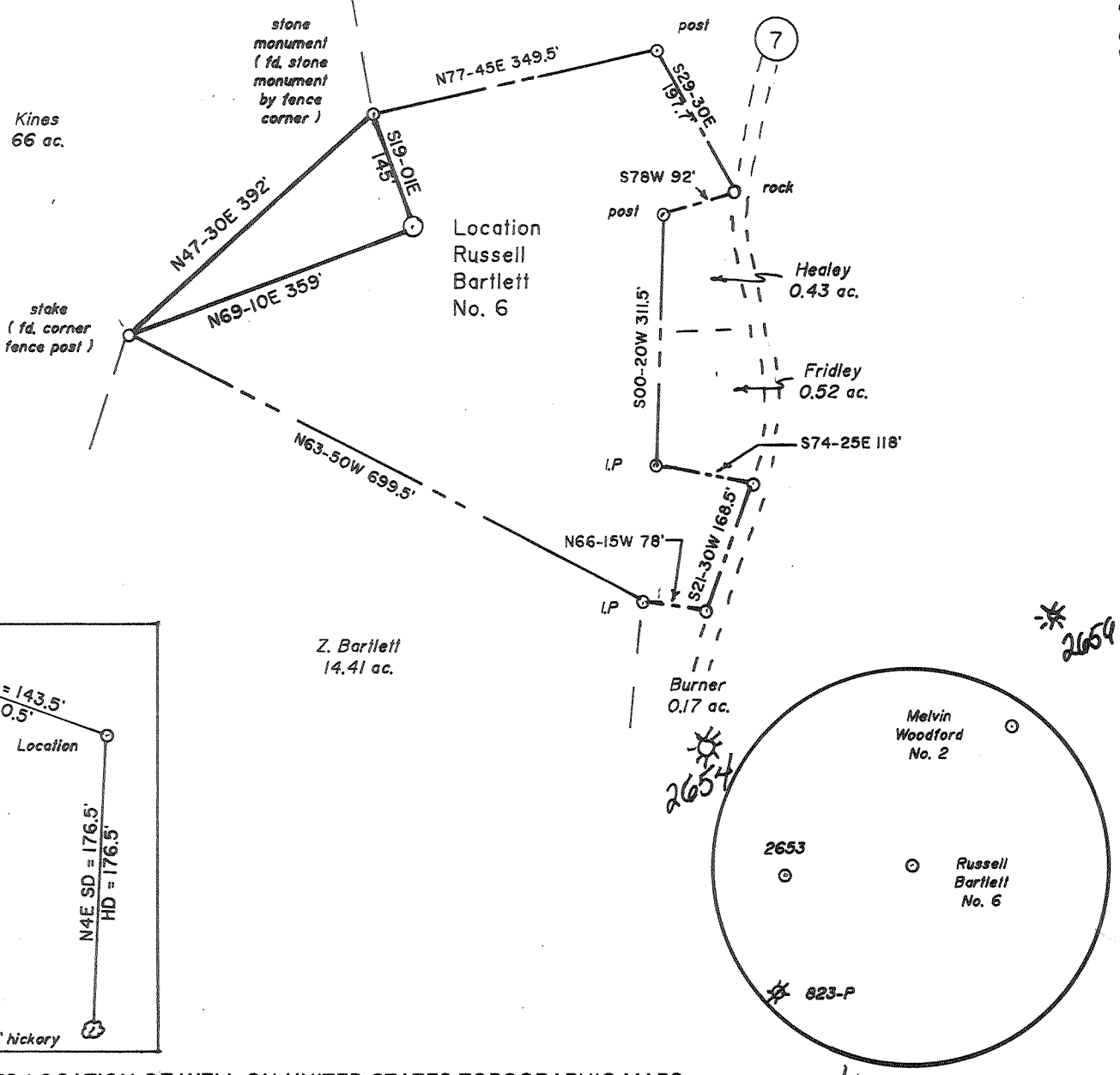
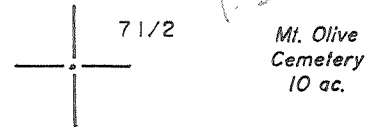


Janice  
9/22/95

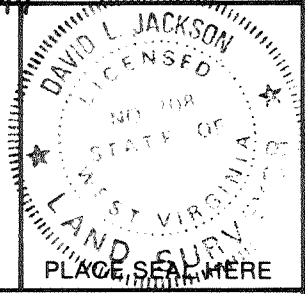
0355  
1.55W



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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 200'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION Road junction 400'  
NW of Location elev: 1637

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 September 6, 19 95  
OPERATOR'S WELL NO. Russell Bartlett No. 6  
API WELL NO. 47-001-02704

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

LOCATION: ELEVATION 1587 WATER SHED Shooks Run  
DISTRICT Philippi COUNTY Barbour  
QUADRANGLE Philippi 7 1/2

SURFACE OWNER Russell S. Bartlett et ux ACREAGE 5.35  
OIL & GAS ROYALTY OWNER Russell S. Bartlett et ux LEASE ACREAGE 5.35  
LEASE NO. 503000

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 Benson ESTIMATED DEPTH 5000  
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

6-6-309

JAN 04 1996

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

Permitting  
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BARTLETT, RUSSELL & BETTY Operator Well No.: R. Bartlett #6

LOCATION: Elevation: 1,587.00 Quadrangle: PHILIPPI

District: PHILIPPI County: BARBOUR  
 Latitude: 1900 Feet South of 39 Deg. 10Min. 0 Sec.  
 Longitude 8200 Feet West of 80 Deg. 2 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: 09/21/95  
 Well work Commenced: 12/02/95  
 Well work Completed: 12/07/95  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary x Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total Depth (feet) 4511'  
 Fresh water depths (ft) \_\_\_\_\_  
70: 1768  
 Salt water depths (ft) \_\_\_\_\_  
n/a  
 Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): 133-136

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	22'	22'	
8 5/8"	798'	798'	205 sks
4 1/2"	4150'	4150'	240 sks

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4045-4049  
 Gas: Initial open flow ns MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 60 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 900 psig (surface pressure) after 72 Hours

Second producing formation Balltown Pay zone depth (ft) 3049-3073  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow co-mingled 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.

*Eric Stearns*

For: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns  
 Date: December 29, 1995.

R. BARLETT #6

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Riley	17 (4045' - 4049')	50	400	500	55
2nd	Balltown	20 (3049' - 3073')	50	600	500	75

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	1385	Coal 133' - 136'
Little Lime	1385	1392	1/4" stream water @70'
sand, shale	1392	1420	
Big Lime	1420	1488	
sand, shale	1488	1493	
Keener	1493	1551	
sand, shale	1551	1563	
Big Injun	1563	1630	
sand, shale	1630	1750	gas chk @ 1719' no show
Gantz	1750	1784	
sand, shale	1784	1813	1" stream water @1768'
50 ft	1813	1873	gas chk @ 1813' no show
sand, shale	1873	1877	
30 ft	1877	1919	
sand, shale	1919	2130	gas chk @ 2000' no show
4th	2130	2304	gas chk @ 2217' no show
sand, shale	2304	2322	
5th	2322	2378	gas chk @ 2342' no show
sand, shale	2378	2388	
Bayard	2388	2407	
sand, shale	2407	2446	
Elizabeth	2446	2520	
sand, shale	2520	2722	gas chk @ 2625' no show
Speechly	2722	2973	
sand, shale	2973	3000	
Balltown	3000	3461	gas chk @ 3410' no show
sand, shale	3461	3532	
Bradford	3532	3676	
sand, shale	3676	3944	gas chk @ 3941' no show
Riley	3944	4205	gas chk @ 4525' no show
sand, shale	4205	4290	gas chk @ TD no show
Benson	4290	4336	gas chk @ Collar no show
	4336	4525	Drillers TD
		4511	Logger TD

**RECEIVED**  
WV Division of Environmental Protection

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

Issued 09/21/95

Well No: SEP 09-1995 : PETROLEUM DEVELOPMENT CORPORATION 38200 (5) 545

Operating Well Number: Russell Bartlett #6 3) Elevation: 1,587'  
Office of Oil & Gas

Well type: (a) Oil    / or Gas   XX    
(b) If Gas: Production   XX   Underground Storage     
Deep    Shallow   XX  

Proposed Target Formation(s): Elk Sands <sup>436</sup>

Proposed Total Depth: 5,300' feet

Approximate fresh water strata depths: 35'; 190'; 765'

Approximate salt water depths: 1765' (Gantz)

Approximate coal seam depths: 52-57'; 142'-147'; 529'-34'; 655'-59'

Does land contain coal seams tributary to active mine? Yes    / No   XX  

Proposed Well Work: 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"	H-40	42#	30'	-----	-----
Fresh Water						
Coal						
<del>Intermediate</del>	8 5/8"	H-40	20/23#	800'	800' <u>  G5  </u>	38CSR18-11.3 38CSR18-11.2.2
Production	4 1/2"	J-55	10.5#	5,300'	5,300'	450 Sks.
Tubing						38CSR18-11.1
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

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

RECEIVED

WV Division of Environmental Protection

SEP 12 1995

Permitting Office of Oil & Gas

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

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

- 1) Date: September 8, 1995
2) Operator's well number Russell Bartlett #6
3) API Well No: 47 - 001 - 2704 State - County - Permit

4) Surface Owner(s) to be served: (a) Name Russell and Betty Bartlett Address Rt. 3, Box 53 Philippi, WV 26416 (b) Name Address (c) Name Address

5) (a) Coal Operator: Name Address (b) Coal Owner(s) with Declaration Name Mike Ross, Inc. Address P O Box 219 Coalton, WV 26257 Name Address (c) Coal Lessee with Declaration Name Address

6) Inspector Phillip Tracy Address Rt. 2, Box 37-A Montrose, WV 26283 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

XX 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)
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 PETROLEUM DEVELOPMENT CORPORATION
By: [Signature]
Its: VP Exploration & Development
Address P O Box 26 Bridgeport, WV 26330
Telephone 304-842-6256

Subscribed and sworn before me this 11th day of SEPTEMBER, 1995

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

