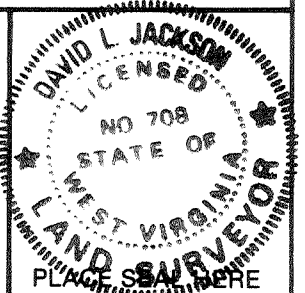


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road Junction 2500'
SW of Location: elev. 1184'

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 July 28, 19 94
 OPERATOR'S WELL NO. John Stout No. 2
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1293' WATER SHED Big Battle Run
 DISTRICT McClellan COUNTY Doddridge
 QUADRANGLE Smithburg 7 1/2'
 SURFACE OWNER Austin K. Ford et ux ACREAGE 60
 OIL & GAS ROYALTY OWNER John & Helen Stout LEASE ACREAGE 110
 LEASE NO. 485700

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

COUNTY NAME
 PERMIT

FORM WW-6

SEP 2 1994

MAY 30 1995

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: FORD, AUSTIN & NAOMI Operator Well No.: JOHN STOUT 2

LOCATION: Elevation: 1,293.00 Quadrangle: SMITHBURG

District: MCCLELLAN County: DODDRIDGE
Latitude: 5600 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 4950 Feet West of 80 Deg. 37 Min. 30 Sec.

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

Agent: ERIC R. STEARNS

Inspector: MIKE UNDERWOOD
Permit Issued: 09/02/94
Well work Commenced: 02/21/95
Well work Completed: 02/27/95
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 5498
Fresh water depths (ft) _____
1438
Salt water depths (ft) _____
n/a
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 502-506

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	215'	215'	120 sks
8 5/8"	1933'	1933'	480 sks
4 1/2"	5451'	5451'	260 sks

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5339-5343
 Gas: Initial open flow 103 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 335 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 1600 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: May 23, 1995

JUN 2 1995

John Stout #2

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Benson	17 (5339' - 5343')	500	400	500	64

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	1883	1/4" Stream H2O @ 1438'
Maxton	1883	1943	Coal 502'-506'
sand, shale	1943	2178	
Little Lime	2178	2188	
sand, shale	2188	2210	
Big Lime	2210	2290	
sand, shale	2290	2295	
Keener	2295	2345	
sand, shale	2345	2348	gas chk @ 2192' no show
Big Injun	2348	2422	gas chk @ 2280' no show
sand, shale	2422	2573	gas chk @ 2349' no show
Weir	2573	2624	gas chk @ 2501' 4/10 thru 2" w/water
sand, shale	2624	2775	gas chk @ 2595' 4/10 thru 2" w/water
Berea	2775	2807	
sand, shale	2807	2955	gas chk @ 2690' 4/10 thru 2" w/water
Gordon	2955	3006	
sand, shale	3006	3283	gas chk @ 2873' 2/10 thru 2" w/water
5th	3283	3333	gas chk @ 3125' 2/10 thru 2" w/water
sand, shale	3333	3643	gas chk @ 3403' 2/10 thru 2" w/water
Warren	3643	3795	gas chk @ 3904' 2/10 thru 2" w/water
sand, shale	3795	4120	gas chk @ 4123' 2/10 thru 2" w/water
Speechley	4120	4560	gas chk @ 5059' 2/10 thru 2" w/water
sand, shale	4560	4620	gas chk @ 5183' 2/10 thru 2" w/water
Bradford	4620	4720	gas chk @ 5278' 2/10 thru 2" w/water
sand, shale	4720	5044	
Riley	5044	5276	
sand, shale	5276	5338	gas chk @ 5372' 6/10 thru 2" w/water
Benson	5338	5390	gas chk @ collars 6/10 thru 2" w/water
sand, shale	5390	5498	Driller TD
		5493	Logger TD

RECEIVED
 WV Division of
 Environmental Protection

017-4153

Issued 09/02/94
 Expires 09/02/96
 Page -- of

AUG 18 1994

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

19642

Permitting
 Office of Oil & Gas

Operator: Petroleum Development Corporation 38200 (5) 611

Operator's Well Number: John Stout #2 3) Elevation 1293'

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

Proposed Target Formation(s): Benson 435

Proposed Total Depth: 5600' feet

Approximate fresh water strata depths: 160' 1690' 1880'

Approximate salt water depths: none reported

Approximate coal seam depths: 650-653' 890-894'

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

Proposed Well Work: Drill and stimulate new well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	113/4"	H-40	42#	175'	175'	cts
Fresh Water						
Coal						
Intermediate	8 5/8"	H-40	20/23#	1925'	1925'	cts
Production	4 1/2"	J-55	10.5#	5600'	5600'	450 sks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths sec _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPC
 Plat WW-9 WW-28 Bond _____ Age _____
 (Type)

12283
 38

6

AUG 18 1994

Permitting
Office of Oil & Gas

- 1) Date: August 15, 1994
- 2) Operator's well number
John Stout #2
- 3) API Well No: 47 - 017 - 4153
State - County - Permit

940085

STATE OF WEST VIRGINIA
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 Austin K. and Naomi J. Ford
Address Rt. 2, Box 146
Salem, WV 26426
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Reserve Coal Properties Company
Address 1800 Washington Road
Pittsburgh, PA 15241
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304)-782-1043

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
 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:

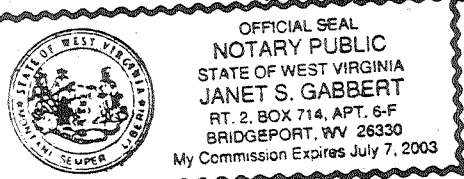
- Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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: Geologist
 Address P O Box 26
Bridgeport, WV 26330
 Telephone 304-842-6256



Subscribed and sworn before me this 15th day of August, 1994

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