

James 6/6/88

12/3/79

6,430'

LATITUDE 39°37'30"
(15') 39°40

LONGITUDE 80°05'00"

WILLIE & JESSIE BARB
ARE THE SURFACE OWNERS
OF TRACTS 1-A, 1-B, 2-A, 2-B, 3

G.F. MAXWELL
102 Ac.

HAROLD
FISHER
35.5 Ac.

6 Ac.
Tr. 2A.

10 Ac.
Tr. 1-A

7.5
TOPO
14.35 Ac. Tr. 1-B

11.37 Ac.
Tr. 3

MERLIN HARRIS
26.88 Ac.

DELIA
MOORE
28 Ac.

RESIDUE OF
100 Ac. LEASE Tr. 2-B
= 31.4 Ac. ± OF WHICH THERE
IS NO DESCRIPTION

CLARENCE PENDLEY
67.73 Ac.

RAY CONKLIN
4.5 Ac.

A. - N20°59'W 489.5'
N17°48'W 486.63' BY SURVEY
B. - S5°05'W 307.15'
C. - S52°16'E 241.27'

POST
NO°59'E
197.10'
POST

#1
ELEV. 1100'
N88°59'E
277.31' POST

FILE NO. P.D.C. # 3-Pg. 21
DRAWING NO. 2
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1" IN 200'
PROVEN SOURCE OF
ELEVATION 1055' INT. 26 &
2 1/4 mi. North of location

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 MINES.
(SIGNED) Paul G. Dean
R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE December 3, 1979
OPERATOR'S WELL NO. 1
API WELL NO.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

47 - 061 - 0589-REV-P
STATE COUNTY PERMIT
Plus Cancelled Plug

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1100' WATER SHED STEWARTS RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE 7 1/2, BLACKSVILLE 15'
SURFACE OWNER JESSIE BARB & MERLIN HARRIS ACREAGE 100
OIL & GAS ROYALTY OWNER JESSIE BARB LEASE ACREAGE 100
LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BENSON ESTIMATED DEPTH 5100'
WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.
ADDRESS 103 E. MAIN ST. ADDRESS 103 E. MAIN ST.
BRIDGEPORT W. VA. 26330 BRIDGEPORT W. VA. 26330

MONONGALIA 0589-REV-P

12/3/79 R

6,430'

LATITUDE 39°37'30"
(15') 39°40'

LONGITUDE 80°05'00"

WILLIE & JESSIE BARB
ARE THE SURFACE OWNERS
OF TRACTS 1-A, 1-B, 2-A, 2-B, 3

G.F. MAXWELL
102 Ac.

HAROLD
FISHER
35.5 Ac.

6 Ac.
Tr. 2-A.

10 Ac.
Tr. 1-A

14.35 Ac. Tr. 1-B

11.37 Ac.
Tr. 3

MERLIN HARRIS
26.88 Ac.

RESIDUE OF
100 Ac. LEASE Tr. 2-B
= 31.4 Ac. ± OF WHICH THERE
IS NO DESCRIPTION

POST
N0°59'E
197.10'
POST

DELIA
MOORE
28 Ac.

#1
ELEV. 1100'
N88°59'E
277.31' POST

RAY CONKLIN

4.5 Ac.

A. - N20°59'W 489.5'
N17°48'W 486.63' BY SURVEY
B. - S3°05'W 307.15'
C. - S52°16'E 241.27'

CLARENCE PENDLEY
67.73 Ac.

FILE NO. P.D.C. # 3 - P9. 21
DRAWING NO. 2
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1" IN 200'
PROVEN SOURCE OF
ELEVATION 1055' INT. 26 &
26/1 1/4 mi. North of location

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 MINES.

(SIGNED) Paul G. Dean

R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

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

FORM IV-6
(8-78)



DATE December 3, 1979

OPERATOR'S WELL NO. 1

API WELL NO. _____

47 - 061 - 0589-REV

STATE COUNTY PERMIT

PLUG CANCELLED Plug.
G

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1100' WATER SHED STEWARTS RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE 7 & BLACKSVILLE 15'

SURFACE OWNER JESSIE BARB & MERLIN HARRIS ACREAGE 100

OIL & GAS ROYALTY OWNER JESSIE BARB LEASE ACREAGE 100

LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

FEB 22 1988

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION BENSON ESTIMATED DEPTH 5100'

WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.

ADDRESS 103 E. MAIN ST. ADDRESS 103 E. MAIN ST.
BRIDGEPORT W.VA. 26330 BRIDGEPORT W.VA. 26330

MONONGALIA 0589-REV-1

WILLIE & JESSIE BARB
ARE THE SURFACE OWNERS
OF TRACTS 1-A, 1-B, 2-A, 2-B, 3

G.F. MAXWELL
102 Ac.

HAROLD
FISHER
35.5 Ac.

6 Ac.
Tr. 2-A

10 Ac.
Tr. 1-A

14.35 Ac. Tr. 1-B

11.37 Ac.
Tr. 3

MERLIN HARRIS
26.63 Ac.

RESIDUE OF
100 Ac. LEASE Tr. 2-B
= 31.4 Ac. ± OF WHICH THERE
IS NO DESCRIPTION

CLARENCE PENDLEY
67.73 Ac.

RAY CONKLIN
4.5 Ac.

A. - N20°59'W 439.5'
N17°48'W 486.63' BY SURVEY
B. - S3°05'W 307.15'
C. - S52°16'E 241.27'

POST
N0°59'E
197.10'
POST

DELIA
MOORE
28 Ac.

ELEV. #1
N83°59'E
277.31' POST

NORTH

LONGITUDE 80° 05' 30"

FILE NO. P.D.C. # 3-19-21
DRAWING NO. 2
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1' IN 200'
PROVEN SOURCE OF
ELEVATION 105.5' INT. 26 E
2 1/4 mi. North of location

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 MINES.
(SIGNED) Paul S. Dean
R.P.E. # 1856 L.L.S. _____

PLACE SEAL HERE

(*) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE December 3, 1979
OPERATOR'S WELL NO. 1
API WELL NO. 47-061-0589-P
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
LOCATION ELEVATION 1100' WATER SHED STEWARTS RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE
SURFACE OWNER JESSIE BARB & MERLIN HARRIS ACREAGE 100
OIL & GAS ROYALTY OWNER JESSIE BARB LEASE ACREAGE 100
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) no plugging off old unit

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BENSON ESTIMATED DEPTH 5100'
WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.
ADDRESS 103 E. MAIN ST. ADDRESS 103 E. MAIN ST.
BRIDGEPORT W.VA. 26330 BRIDGEPORT W.VA. 26330

12/3/79

6,430'

LATITUDE 39°37'30"
(15') 39°40'

LONGITUDE 80°05'00"

WILLIE & JESSIE BARB
ARE THE SURFACE OWNERS
OF TRACTS 1-A, 1-B, 2-A, 2-B, 3

393612
800670

HAROLD FISHER
35.5 Ac.

G.F. MAXWELL
102 Ac.

6 Ac.
Tr. 2A

10 Ac.
Tr. 1-A

14.35 Ac. Tr. 1-B

11.37 Ac.
Tr. 3

RESIDUE OF
100 Ac. LEASE Tr. 2-B
= 31.4 Ac. ± OF WHICH THERE
IS NO DESCRIPTION

MERLIN HARRIS
26.88 Ac.

RAY CONKLIN
4.5 Ac.

CLARENCE PENDLEY
67.73 Ac.

A. - N20°54'W 489.5'
N17°48'W 486.63' BY SURVEY
B. - S3°05'W 307.15'
C. - S52°16'E 241.27'

PAST POST
197.10'
POST
BELIA MOORE
28 Ac.
ELEV. 277.31' POST

FILE NO. P.D.C. # 3-Pg. 21
DRAWING NO. 2
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1" IN 200'
PROVEN SOURCE OF
ELEVATION 1055' INT. 26 &
2 1/4 mi. North of location

I THE UNDERSIGNED, HEREBY CERTIFY THAT
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INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) Paul S Dean
R.P.E. *1856 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE December 3, 1979
OPERATOR'S WELL NO. 1
API WELL NO. _____
47-061-0589-REV
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1100' WATER SHED STEWARTS RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE 7 & BLACKVILLE 15'
SURFACE OWNER JESSIE BARB (MERLIN HARRIS) ACREAGE 100
OIL & GAS ROYALTY OWNER JESSIE BARB LEASE ACREAGE 100
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BENSON ESTIMATED DEPTH 5100'
WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT CORP.
ADDRESS 103 E. MAIN ST. ADDRESS 103 E. MAIN ST.
3-3 GRANT TOWN-HAGANS 67 DEC 28 1979

WILLIE & JESSIE BARBE
ARE THE SURFACE OWNERS
OF TRACTS 1-A, 1-B, 2-A, 2-B, 3

G.F. MAXWELL
102 Ac.

HAROLD
FISHER
35.5 Ac.

6 Ac.
Tr. 2-A

10 Ac.
Tr. 1-A
7 1/2
14.35 Ac. Tr. 1-B
TOPO

11.37 Ac.
Tr. 3
15'
4465
1.22w
POST
NO 59'E
197.10'
POST
#1 B
ELEV. 1100
DELIA
MOORE
28 Ac.
N 88° 59' E
277.31' POST

RESIDUE OF
100 Ac. LEASE Tr. 2-B
= 31.4 Ac. ± OF WHICH THERE
IS NO DESCRIPTION

MERLIN HARRIS
26.88 Ac.

CLARENCE PENDLEY
67.73 Ac.

RAY CONKLIN
4.5 Ac.

A - N20° 59' W 489.5'
N 17° 48' W 486.63' BY SURVEY
B - S6° 41' W 198.64'
C - S37° 31' E 324.11'

RUN
STEWART'S

FILE NO. P.D.C. #3-P9.21
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1" in 200'
PROVEN SOURCE OF
ELEVATION 1055' INT. 26 E
26/1 1/4 MI. NORTH OF LOCATION

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 MINES.
(SIGNED) Paul G. Dean
R.P.C.# 1856 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE October 22, 1979
OPERATOR'S WELL NO. 1
API WELL NO.
47 - 061 - 0589
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1110' WATER SHED STEWART'S RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE, BLACKSVILLE 15'
SURFACE OWNER JESSIE BARBE & MERLIN HARRIS ACREAGE 100
OIL & GAS ROYALTY OWNER JESSIE BARBE LEASE ACREAGE 100
LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION BENSON ESTIMATED DEPTH 5100' NOV 26 1979
WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT
ADDRESS 103 MAIN PO Bx 26 ADDRESS 103 MAIN PO Bx 26
BRIDGEPORT, W.VA BRIDGEPORT, W.VA

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 061 - 0589
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1110' Watershed: Stewarts Run
District: Grant County: Monongalia Triangles: Rivesville

WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT Petroleum Development Corporation
Address 103 East Main Street, PO Box 26 Address 103 East Main Street, PO Box 26
Bridgeport, W. Va. 26330 Bridgeport, W. Va. 26330

PERMITTED WORK: Drill / Convert / Drill deeper / Re-drill /
Plug off old formation / Perforate new formation /
Other physical change in well (specify): _____

RECEIVED

MAR 24 1980

PERMIT ISSUED ON November 1, 19 79

OIL & GAS DIVISION
OIL & GAS INSPECTOR William Blosser
DEPT. OF MINES

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

Address PO Box 1028
Colfax, W. Va. 26566

GEOLOGICAL TARGET FORMATION: Benson Depth 5100 feet

Depth of completed well, 5058 feet Rotary / Cable Tools

Water strata depth: Fresh, 1" @ 40 feet; salt, _____ feet.

Coal seam depths: _____ Is coal being mined in the area? no

Work was commenced January 12, 19 80, and completed January 27, 19 80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT PILLING OR CEMENT OR CEMENT (Cubic Feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling			Left in well
Conductor	11 3/4"			X		42'	42'	surface	Minds
Fresh water									
Oil									Sizes
Intermediate	8 5/8"	H-40	20#	X		1720'	1685'	430 sks.	
Production	4 1/2"	K-55	9.5#	X		5058'	5045'	600 sks.	Leather net
Lines									
Others									Perforations:
									Stop Bottom

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4901 feet

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

Final open flow, 490 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final reads, _____ hours

Static rock pressure, 900 psig (surface measurement) after 48 hours shut in.

(If applicable due to multiple completions:)

Second producing formation Riley Pay zone depth 4541 feet

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 reads, _____ hours

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

Third producing formation: Balltown Pay zone depth: 3762 feet

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

enson	345 bbl	10,000# 80/100	45,000# 20/40	500 gal. 15% acid	4901-5016
riley	345 bbl	10,000# 80/100	40,000# 20/40	500 gal. 15% acid	4541-4688
balltown	345 bbl	10,000# 80/100	40,000# 20/40	500 gal. 15% acid	3762-3953
speechley	370 bbl	10,000# 80/100	40,000# 20/40	500 gal. 15% acid	3566-3575

LL 100

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
sand			0	15	
sand, shale			15	55	fresh H ₂ O 1" @ 40'
R.R.			55	70	
sand, shale			70	310	
shale			310	435	
coal			435	480	
sand, shale			480	933	
sand			933	1161	
sand, shale			1161	1380	
sand			1380	1712	
big lime			1712	1775	
big injun			1775	1844	
sand, shale			1844	1912	
pocono			1912	1972	gas check @ 2200' no show
sand, shale			1972	2292	
50' sand			2292	2325	
sand, shale			2325	2754	
bayard			2754	2804	
sand, shale			2804	3358	gas check @ 3540' no show
speechley			3358	3577	
sand, shale			3577	3759	
balltown			3759	3964	
sand, shale			3964	4525	
riley			4525	4605	
sand, shale			4605	4873	
enson			4873	5026	
sand, shale			5026	5058 TD	gas check @ TD 84 MCF

5058
2725?
2333 EXPL FT.

(Attach separate sheets to complete as necessary)

Parrish Development Corporation
Well Operator
By James M. Wheeler
WELL COMPLETION ENGINEER

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. One
API Well No. 47 - 061 - 0589
State County Permi

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1110' Watershed: Stewarts Run
District: Grant County: Monongalia Quadrangle: Rivesville

WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT Petroleum Development Corp.
Address P.O. Box 26 Address P.O. Box 26
Bridgeport, WV 26330 Bridgeport, WV 26330

OIL & GAS ROYALTY OWNER W.O. Barb and Jessie Barb, his wife COAL OPERATOR
Address Rt. 2, Box 286 Address
Morgantown, WV 26505

ACREAGE 100 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER 1. W.O. Barb & Jessie Barb) 85.64 Ac. Name W.O. Barb & Jessie Barb
2. Marlin D. Harris) SAME Address Rt. 2, Box 286
Morgantown, WV 26505) ADDRESS Morgantown, WV 26505
ACREAGE 26.88 Name

FIELD SALE (IF MADE) TO:
Name Address
Address COAL LESSEE WITH DECLARATION ON RECORD:
Name

OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser Address
Address P.O. Box 1028
Colfax, WV 26566

RECEIVED
NOV - 1 1979

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated December 17, 1974, to the undersigned well operator from W.O. Barb and Jessie Barb, his wife
[If said deed, lease, or other contract has been recorded:]

Recorded on February 14, 1975, in the office of the Clerk of the County Commission of Monongalia County, West Virginia, in Deed Book 758 at page 101. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1414 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

PETROLEUM DEVELOPMENT CORPORATION
Well Operator
Shirley Mitchell
Mining Superintendent

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 5100' feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 60 feet; salt, _____ feet.

Approximate coal seam depths: 480 Is coal being mined in the area? Yes _____ / No _____ /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	13 3/8						20	20	Kinds
Fresh water									
Oil									Sizes
Intermediate	8 5/8	H	25#	X		1400	1400	Circulate	
Production	4 1/2	K	10.5	X				250	Depths set
Casing									
Packers									Perforations:
									Top Bottom

Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously filed on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall be required for fracturing or stimulating a well where fracturing or stimulation is to be part of the work for which a permit is sought and such as on the Form IV-2 filed in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 7-5-80.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the location, the well location has been added to the mine map. The undersigned has no objection to work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

By _____
Its _____

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: HARRIS, ELEANOR Operator Well No.: W.O. BARB 1

LOCATION: Elevation: 1110.00 Quadrangle: RIVESVILLE
District: GRANT County: MONONGALIA
Latitude: 8235 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude: 6430 Feet West of 80 Deg. 5 Min. 0 Sec.

Company: PETROLEUM DEVELOPMENT CORPORATION Coal Operator: CONSOLIDATION COAL CO.
P.O. BOX 26, 103 EAST MAIN ST. or Owner P.O. BOX 1314
BRIDGEPORT, WV 26330 MORGANTOWN, WV 26505

Agent: STEVEN R. WILLIAMS Coal Operator
Inspector: DONALD ELLIS or Owner
Permit Issued: 06/09/88

RECEIVED
JUL 26 1988

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____

ss:

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

GERALD ERAMBERT and JEFF STEVENS

first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by PETROLEUM DEVELOPMENT CORPORATION, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12th day of July, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
cement	5014	3500		
6% gel	3500	1800		
cement	1800	1685		
cut 4 1/2" @ 1800			1800	3233
6% gel	1685	surface		
8 5/8" casing				1685
11 3/4" casing				445

Description of monument: 30" above ground, 8 5/8" csg with 2" vent so as not (API# on monument) to allow solids or liquids from entering the well. and that the work of plugging and filling said well was completed on the 12th day of July, 1988.

And further deponents saith not.

Steven R. Williams, President

Sworn and subscribe before me this 20th day of July, 1988

My commission expires: November 12, 1996

Jody L. Horne
Notary Public

AUG 01 1988