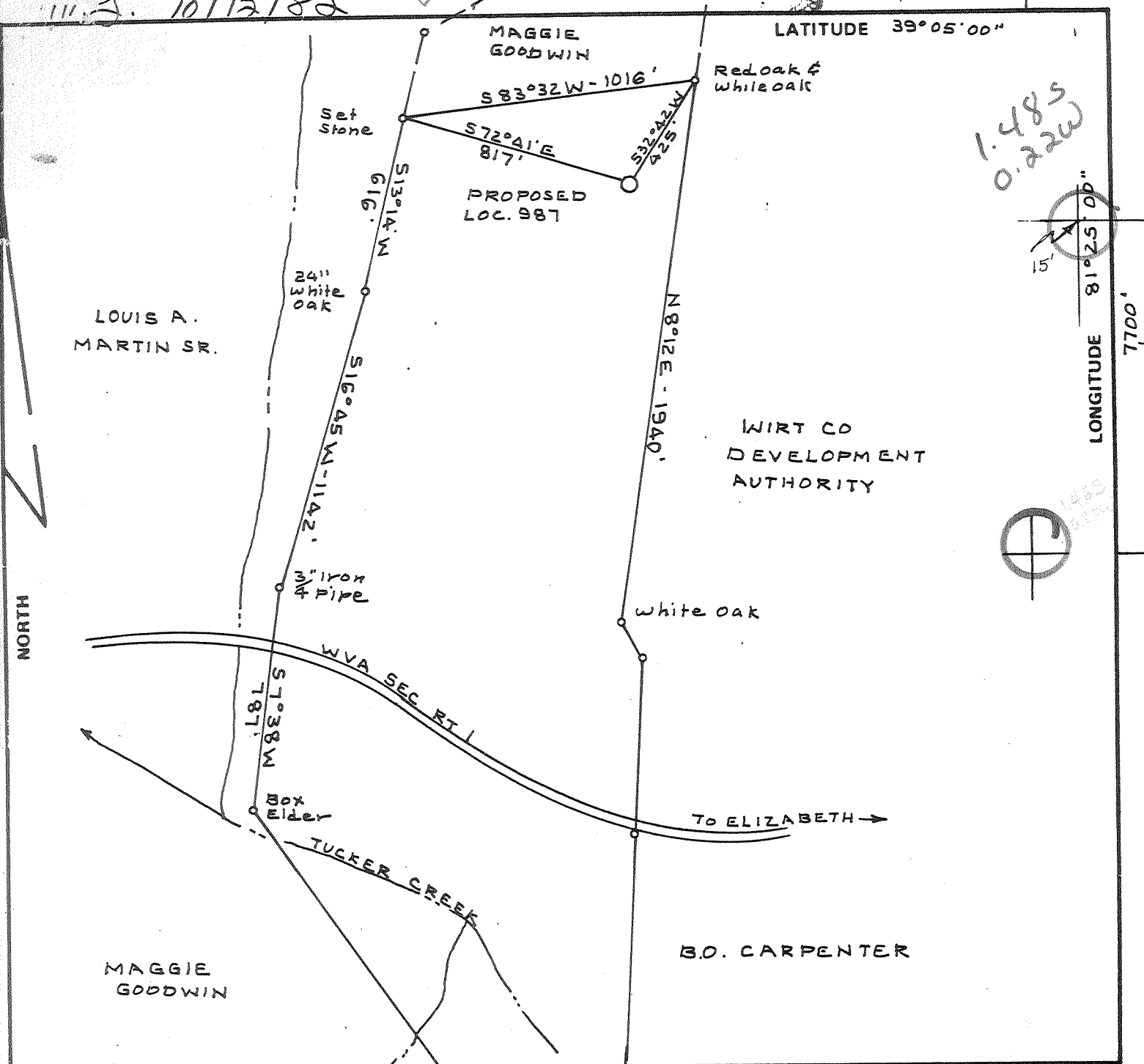


11. A. 10/12/82

1175'



FILE NO. BK 71 PG 98
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1-200
 PROVEN SOURCE OF ELEVATION Road Forks
3200' SW. Loc El 638

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 MINES.
 (SIGNED) C. S. Valley Jr.
 R.P.E. _____ D.S. 92

PLACE SEAL HERE

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



DATE OCT 8, 19 82
 OPERATOR'S WELL NO. 987
 API WELL NO. 47-105-1003
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Formerly: Wirt-1002

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 879.53 WATERSHED TUCKER CREEK
 DISTRICT ELIZABETH COUNTY WIRT
 QUADRANGLE ELIZABETH N 15' SW
 SURFACE OWNER MAGGIE GOODWIN ACREAGE 85
 OIL & GAS ROYALTY OWNER MAGGIE GOODWIN LEASE ACREAGE 207
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 MARCELLUS ESTIMATED DEPTH 5450
 WELL OPERATOR BOW VALLEY PETRO. INC DESIGNATED AGENT W.E. STOVER
 ADDRESS 600 COMMERCE SQUARE ADDRESS BOX 235
CHARLESTON WVA. 25301 CULLODEN WVA 25510

OCT 18 1982

H T HALL - DEEP well 44 - 0 - unnamed

Plot Card V 650

LATITUDE 39° 05' 00"

LONGITUDE 81° 25' 00"

NORTH

LOUIS A. MARTIN SR.

4" Iron Pipe

WIRT CO. DEVELOPMENT AUTHORITY

WYLS RT 1

Box Elder

N 7° 38' W
787'

White oak

PROPOSED Loc 987

B.D. CARPENTER

MAGGIE GOODWIN

S 68° 52' E
985.16'
TUCKER CREEK

N 36° 00' W
1352'

N 26° 23' W
849'

S 3° 00' W
1020'

Large white oak in fence cor.

N 87° 30' W
502'

Large white oak in fence cor.

FILE NO. BK 71 P 36
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1-200
PROVEN SOURCE OF ELEVATION USGS Rd Forks 2400' ± N.W. of Loc. E1 638

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 MINES.
(SIGNED) C. S. Volley Jr.
R.P.E. _____ M.S. 92

PLACE SEAL HERE

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



DATE SEPT 18, 1982
OPERATOR'S WELL NO. 987
API WELL NO. _____
47 - 105 - 1002
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Cancelled
See; Wirt - 1003

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 611.82 WATER SHED TUCKER CREEK
DISTRICT ELIZABETH COUNTY WIRT
QUADRANGLE ELIZABETH
SURFACE OWNER MAGGIE GOODWIN ACREAGE 85
OIL & GAS ROYALTY OWNER MAGGIE GOODWIN LEASE ACREAGE 207
LEASE NO. _____
PROPOSED WORK: DRILL X 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 MARCELLUS ESTIMATED DEPTH 5200'
WELL OPERATOR BOW VALLEY PETRO. INC. DESIGNATED AGENT W.E. STOVER
ADDRESS 600 COMMERCE SQUARE ADDRESS BOX 235
CHARLESTON WVA 25301 CULLODEN WVA. 25510

OCT 18 1982

REVISED
OCT - 4 1983



Date December 28 1982
Operator's
Well No. 987
Farm Goodwin
API No. 47 - 105 - 1003

OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
Oil and Gas Division

OCT 23 1983

REVISED

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 X /)

LOCATION: Elevation: 879.53 Watershed Tucker Creek
District: Elizabeth County Wirt Quadrangle Elizabeth 7.5'

COMPANY Bow Valley Petroleum, Inc.
ADDRESS 600 Commerce Sq. Charleston, WV.
DESIGNATED AGENT Robert Long
ADDRESS Culloden, West Virginia
SURFACE OWNER Maggie Goodwin
ADDRESS Elizabeth, WV. 26143
MINERAL RIGHTS OWNER Same
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace
ADDRESS Sandridge, WV.

PERMIT ISSUED 10-1-82
DRILLING COMMENCED 10-15-82
DRILLING COMPLETED 11-4-82

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

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"	34.60	34.60	10sks
9 5/8	263.88	263.88	115sks
8 5/8			
7	2150.48	2150.48	150sks
5 1/2			
4 1/2		5456.85	275sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2480' - 5490' feet
Depth of completed well 5500 feet Rotary X / Cable Tools
Water strata depth: Fresh 75 feet; Salt feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2480' - 5490' feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 200 Mcf/d 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
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
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)

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

1st Stage (N₂ Frac)

Perforation Interval = ~~4332'~~ = 5464' (34 holes)

1,080,000 S Ft.³ of N₂, 1050 gallons ACL (Partial Ballout) N₂ Injection Rate 56,000 S Ft.³ /min. Breakdown = 2425#

2nd Stage (N Frac)

Perforation Interval = 2422'-3911' (32 holes) 925,000 S Ft.³ of N₂ 1000 gallons HCL (Partial ballout) N₂ Injection Rate 49,000 S Ft.³/min. Breakdown = 2620#

only have 5456' of 4 1/2" CASING?

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fres and salt water, coal, oil and ga
<u>Drillers Log</u>					
Alternating Sands & Shales			0	1800	
Big Lime			1800	2024	
Injun Sand			2024	2060	
Squaw Sand			2060	2116	
Shale			2116	5500 TD	
<u>Electric Log Tops</u>					
Elev. 879.53					
K.B... 889.53					
Salt Sand			1086	1150	
Maxon Sand			1685	1790	
Big Lime			1820	1895	
Injun Sand			1895	1937	
Weir (Pocono)			1937	2430	
Sunbury Shale			2430	2481	
Upper Devonian Shale			2481	3592	
Huron Shale			3592	4552	
Rhinestreet Shale			4552	5417	
Marcellus Shale			5417	5516	
<i>01011 - 5492 (from 889 KB)</i>					

(Attach separate sheets as necessary)

BOW VALLEY PETROLEUM, INC.

Well Operator

By:

Marvin Combs

Date:

December 28, 1982

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 ... encountered in the drilling of a well."

IV-35
(Rev 8-81)

DEC 28 1982



Date December 28, 1982

OIL & GAS
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Operator's
Well No. 987

Farm Goodwin

API No. 47 - 105 - 1003

JAN 10 1983

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 x /)

LOCATION: Elevation: 611.82 Watershed Tucker Creek
District: Elizabeth County Wirt Quadrangle Elizabeth 7.5'

COMPANY Bow Valley Petroleum Inc.
ADDRESS 600 Commerce Sq., Charleston, WV 25301

DESIGNATED AGENT W. E. Stover
ADDRESS Culloden, WV

SURFACE OWNER Maggie Goodwin
ADDRESS Elizabeth, WV 26143

MINERAL RIGHTS OWNER Same
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Sandridge, WV

PERMIT ISSUED 10-1-82

DRILLING COMMENCED 10-15-82

DRILLING COMPLETED 11-4-82

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	34.60	34.60	10 sks.
9 5/8	263.88	263.88	115 sks.
8 5/8			
7	2150.48	2150.48	150 sks.
5 1/2			
4 1/2		5456.85	275 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2480'-5490' feet

Depth of completed well 5500 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 75 feet; Salt _____ feet

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

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2480'-5490' feet

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

Final open flow 200 Mcf/d 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

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

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)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
Well fraced in two stages; each stage consisting of 750,000 sft³ of N₂ with 500 gallons of acid for initial breakdown

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Alternating Sands & Shales			0	1800	
Big Lime			1800	2024	
Injun Sand			2024	2060	
Squaw Sand			2060	2116	
Shale			2116	5500 T.D.	
					Electric log tops: <u>Sunbury Shale-2422 to 2480'</u>
					5500 2480 <u>3020</u>
					Up. Dev. undir. ≈ 2480-3600
					Huron ≈ 3600 - 4500
					Jave Rhinestret 4500 - 4700
					angola ≈ 4700 ≈ 5025
					Rhinestret - ~5025- 5350
					Sonyea - 5350-5500

(Attach separate sheets as necessary)

Bow Valley Petroleum Inc.
Well Operator

By: Marius Combs

Date: December 28, 1982

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."

(Obverse)

(Revised 3-51)



Well No. 987

Farm Goodwin

API #47-105-1002

Date 9-27-82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas x /

(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /

LOCATION: Elevation: 611.82 Watershed: Tucker Creek
District: Elizabeth County: Wirt Quadrangle: Elizabeth

WELL OPERATOR Bow Valley Petroleum Inc.
Address 600 Commerce Square
Charleston, WV 25301

DESIGNATED AGENT W.E. Stover
Address Box 235
Culloden, WV 25510

OIL AND GAS ROYALTY OWNER Maggie Goodwin
Address Elizabeth,
West Virginia 26143
Acreage 207

COAL OPERATOR N/A
Address _____

SURFACE OWNER Maggie Goodwin
Address Elizabeth,
West Virginia 26143
Acreage 85

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME N/A
Address _____

FIELD SALE (IF MADE) TO:
NAME C
Address _____

NAME _____
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Mr. Deo Mace
Address Rt. 1, Box 5
Sand Ridge, WV 25274
Telephone (304) 655-7398

COAL LESSEE WITH DECLARATION ON RECORD:
NAME N/A
Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 6-5-83
BY [Signature]

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 1-17, 1982,
to the undersigned well operator from Maggie Goodwin

(If said deed, lease, or other contract has been recorded:)

Recorded on 2-25, 1982, in the office of the Clerk of County Commission of
Wirt County, West Virginia, in 163 Book at page 920. A permit is
granted 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
modification 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 receipt of this Application by the Dept.
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 own-
er(s), and coal lessees on or before the day of the mailing or delivery of this Application
to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL AND GEOPHYSICAL LOGS DIRECTLY TO:
Bow Valley Petroleum Inc.
Well Operator

WEST VIRGINIA OIL AND GAS COMMISSION
115 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092
OCT 04 1982
By: Charlton B. Roberts
OIL & GAS DIVISION
DEPT. OF MINES Geologist
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) Ray Resources

Address 2101 Washington Street, East

Charleston, West Virginia 25311

GEOLOGICAL TARGET FORMATION Marcellus Shale

Estimated depth of completed well 5,200 feet. Rotary x / Cable tools /

Approximate water strata depths: Fresh, 60,110 feet; salt, feet.

Approximate coal seam depths: N/A

Is coal being mined in this area: Yes / No x /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL UP OR SACKS (Cubic ft.), PACKERS (Kinds, Sizes, Depths set, Perforations: Top Bottom)

NOTE: 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 paid 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 dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 well location, the well location has been added to the mine map. The undersigned has no objection to the 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.

Date: , 19 .

By: _____

Its: _____



1) Date: OCTOBER 12, 1982
 2) Operator's Well No. 987
 3) API Well No. 47 State 105 County 1003 Permit

DRILLING CONTRACTOR:
Ray Resources

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 817.53 Watershed: BUCKER CREEK
 District: ELIZABETH County: WIRT Quadrangle:
- 6) WELL OPERATOR South Valley Petroleum 11) DESIGNATED AGENT W.E. STOVER
 Address 600 Cambridge Square Address Box 235
Charleston, W. Va. 25301 Elizabethtown 25511
- 7) OIL & GAS ROYALTY OWNER Maggie Gardwin 12) COAL OPERATOR N/A
 Address Elizabethtown, W. Va. Address
26145
- 8) SURFACE OWNER Maggie Gardwin 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Elizabethtown, W. Va. Name
26145 Address
- 9) FIELD SALE (IF MADE) TO:
 Address Name
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Mrs. Des Mize Name
 Address Address
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Marcellus shale
 17) Estimated depth of completed well, 5450 feet
 18) Approximate water strata depths: Fresh, 60.10 feet; salt, feet.
 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X /
- 20) CASING AND TUBING PROGRAM

RECEIVED
OCT 12 1982

OIL & GAS DIVISION
DEPT. OF MINES

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	<u>13 7/8</u>			<u>X</u>		<u>30</u>	<u>30</u>	<u>20 Sks</u>		Kinds
Fresh water	<u>7 7/8</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>70 Sks</u>		
Coal										Sizes
Intermediate	<u>7</u>			<u>X</u>		<u>2000</u>	<u>2000</u>	<u>70 Sks</u>		
Production	<u>4 1/2</u>			<u>X</u>		<u>5350</u>	<u>5350</u>	<u>260 Sks</u>		Depths set
Tubing										
Liners										Perforations: Top Bottom

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) 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.

Notary: _____ Signed: Marion S. Roberts
 My Commission Expires _____ Its: _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 67-105-1003 Date October 12 1982

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires June 12, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>MY</u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>338</u>
----------------------	------------------	-----------------	-------------------	-----------------

Administrator, Office of Oil and Gas