

FILE COPY
RECEIVED

MAY 30 1985



1) Date: _____, 19____
2) Operator's Well No. LaRosa #2
3) API Well No. 47 -033-3213
State County Permit

**OIL & GAS DIV.
DEPT. OF MINES**

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1390 Watershed: Davisson Run and Ann Moore Run
District: Simpson 8 County: Harrison Quadrangle: Clarksburg 7 1/2' 297
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Steven R. Williams
Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330 Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey Address Rt. #2, Box 232-D Jane Lew, WV 26378 **38200**
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate X /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate trata depths: Fresh, 40 - 940 feet; salt, 1670 feet.
- 14) Approximate coal seam depths: 358 Is coal being mined in the area? Yes _____ / No X _____

15) 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	13/4	H-40	42#	X		30	-	-	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J-55	20/23#	X		1150	1150	cement to surface	(neat cement)
Production	4 1/2	J-55	10.5#	X		5000	5000	400 sks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3213 Date May 31 19 85

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires May 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>116</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>837-223</u>

Margaret J. Hesse
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File



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MAY 30 1982

OIL & GAS DIV.
DEPT. OF MINES

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: P.O. Box 25, 403 E. Main St., Bridgeport, WV 26330
 2) WELL OPERATOR: Petroleum Development Corp., P.O. Box 103 E. Main St., Bridgeport, WV 26330
 3) DRILLING CONTRACTOR: Stephen Gasey, Rt. 42, Box 234-D, Jane Lew, WV 26378
 4) PROPOSED WELL WORK: Drill Plug off old formation Perforate new formation
 5) GEOLOGICAL TARGET FORMATION: Beason
 6) Estimated depth of completed well: 5000 feet
 7) Approximate true depth: 40 - 910 feet
 8) Approximate coal seam depth: 358 feet
 9) CASING AND TUBING PROGRAM: (Table below)

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
 Reason: _____

116	M4	M4	M4	M4	M4	M4	M4	M4	M4
-----	----	----	----	----	----	----	----	----	----



1) Date: _____, 19____
 2) Operator's Well No. LaRosa #2
 3) API Well No. 47
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1390 Watershed: Davisson Run and Ann Moore Run
 District: Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Steven R. Williams
 Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330 Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey 9) DRILLING CONTRACTOR:
 Address Rt. #2, Box 232-D Jane Lew, WV 26378 Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulation _____
 Plug off old formation _____ / Perforate new formation _____ / Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate strata depths: Fresh, 40 - 940 feet; salt, 1670 feet.
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- 15) CASING AND TUBING PROGRAM

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MAY 30 1985

**OIL & GAS DIV.
 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	113/4	H-40	42#	X		30	-	-	Kinds
Fresh water									
Coal									Sizes
Intermediate	85/8	J-55	20/23#	X		1150	1150	cement to surface	(neat cement)
Production	4 1/2	J-55	10.5#	X		5000	5000	400sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

WAIVER

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: James O. Hara 5/22/85
 Its _____

SURFACE OWNER'S COPY



1) Date: _____, 19____
 2) Operator's Well No. LaRosa #2
 3) API Well No. 47 State _____ County _____ Permit _____

-033-3213

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil _____ / Gas XX /
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 District: Simpson County: Harrison Quadrangle: Clarksburg 7 1/2'
- 6) WELL OPERATOR Petroleum Development Corp. 7) DESIGNATED AGENT Steven R. Williams
 Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330 Address P.O. Box 26, 103 E. Main St. Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Stephen Casey Address Rt. #2, Box 232-D Jane Lew, WV 26378
 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate 30 1985
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
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15) 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		Kinds	Sizes
Conductor	113/4	H-40	42#	X		30	-	-		Kinds
Fresh water										
Coal										Sizes
Intermediate	85/8	J-55	20/23#	X		1150	1150	cement to surface		(neat cement)
Production	4 1/2	J-55	10.5#	X		5000	5000	400sks		Depths set
Tubing										
Liners										Perforations:
										Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

James C. Williams
 (Signature) Date: 5/22/85

By _____

Its _____ Date _____

(Signature)

Date: _____



**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
James J. LaRosa	Petroleum Development Corp.	.125	1141	977

1) Date: May 28 1985
2) Operator's Well No. Larosa #2
3) API Well No. 47-033-3213 State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

(1) SURFACE OWNER(S) OF RECORD TO BE SERVED

(1) Name James D. Larosa
Address 420 Buckhannon Pike
Clarkburg, West Virginia 26301

5(1) COAL OWNER(S) WITH DECLARATION ON RECORD

Name James D. Larosa
Address 420 Buckhannon Pike
Clarkburg, West Virginia 26301

(1) Name
Address

(1) Name
Address

5(1) COAL LESSEE WITH DECLARATION ON RECORD:

Name
Address

TO THE PERSON(S) NAMED ABOVE: You should have received this form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SPECIFIED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU). HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

This notice that under Chapter 22 of the West Virginia Code, the underground well operator purpose to file or has filed this notice and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the Plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXERCISE RIGHTS

Check and provide one of the following:
 I hold the right to extract oil or gas.
 Included in the lease or other continuing contract or contracts by which the requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

In the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision to the volume of 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.

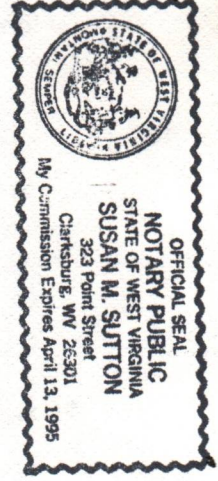
See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, Plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator

In my County and State by

John Williamson
this 28th day of May, 1985

My Commission Expires April 13, 1985



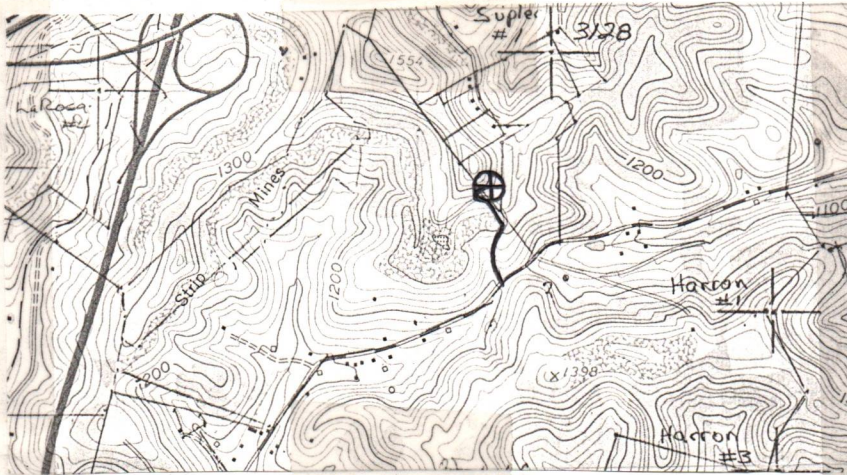
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OIL & GAS DIV.
DEPT. OF MINES

WELL OPERATOR Petroleum Development Corporation
By John Williamson President
Address P.O. Box 26, Bridgeport, WV. 26330
Telephone 304/842-6256

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Clarksburg 7 1/2'

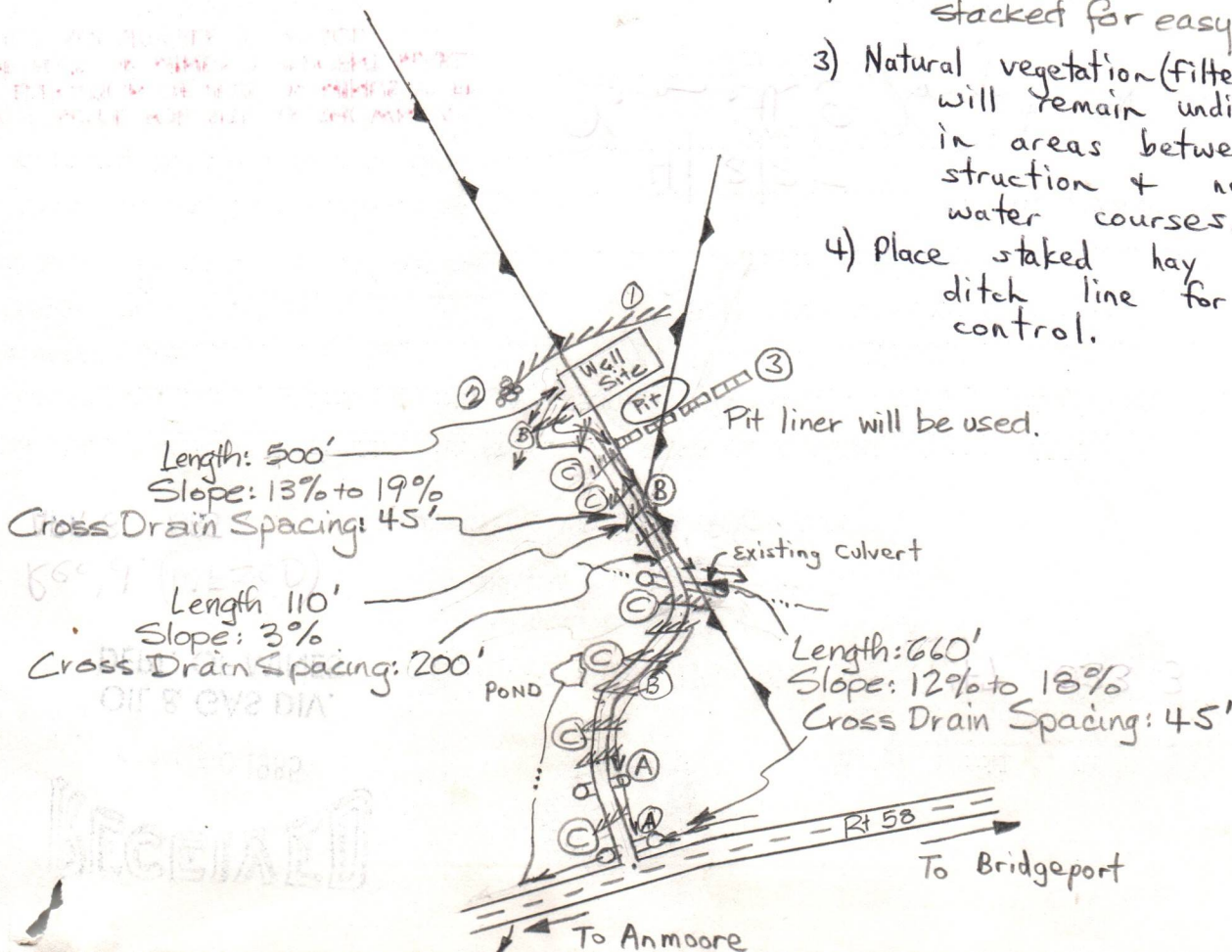
LEGEND	
Well Site	
Access Road	



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet spot	
Building	
Drain pipe	
Waterway	



- 1) Topsoil will be saved for reclamation work.
- 2) Timber will be cut and stacked for easy access.
- 3) Natural vegetation (filter strip) will remain undisturbed in areas between construction + natural water courses.
- 4) Place staked hay bales in ditch line for sediment control.

Pit liner will be used.

RECEIVED

March 30 1985

IV-9 (Rev 8-81)

OIL & GAS DIV. DEPT. OF MINES

Rec'd. (WFSCD) APR 8 1985

CONSTRUCTION AND RECLAMATION PLAN

Department of Mines Oil and Gas Division

State of West Virginia

WELL NO. Larosa #2 API NO. 47-033-3213

DATE April 4, 1985



COMPANY NAME Petroleum Development Corp.

Address P.O. Box 26, Bridgeport, WV 26330 Telephone 842-6256

LANDOWNER James D. Larosa

Revegetation to be carried out by

This plan has been reviewed by and additions become a part of this plan:

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

ACCESS ROAD

Structure Culvert (accord. to O&G Manual) at natural drains Spacing 18" diameter with riprapped outlet Page Ref. Manual 2.7

Structure Drainage Ditch Spacing Inside road cuts Page Ref. Manual 2.12

Structure Cross Drains Spacing as noted on back section of plan with riprapped outlet Page Ref. Manual 2.1

LOCATION

(1) Structure Diversion Ditch Material earth Page Ref. Manual 2.12

(2) Structure Rip-Rap Material stone Page Ref. Manual 2.14

Structure Sediment Barrier (3) Material Hay bales (staked) Page Ref. Manual 2:16

REVEGETATION

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

Field Treatment Area I **Lime 3 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay 2 Tons/acre Seed* Orchard Grass 12 lbs/acre Laidino Clover 3 lbs/acre Alsike Clover 4 lbs/acre Timothy 3 lbs/acre

**Lime according to pH test Inoculate with 3X recommended amount. *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Attach separate sheets as necessary for comments.

NOTES: Please separate landowner cooperation to protect new seeding for one growing season.

PLAN PREPARED BY David L. Jackson

ADDRESS P.O. Box 969

Buckhannon, WV 26201 PHONE NO. 472-9369

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DEPT. OF MINES
JUL 11 1985

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
PERFORMED 2-STAGE GELLED H2O FRAC W/N2 ASSIST.

1ST STAGE: PERFORATED BENSON WITH 14 SHOTS (4654'-70'), USED 15,000# OF 80/100 SAND, 50,000# OF 20/40 SAND AND 71,000 SCF OF N2.

2ND STAGE: PERFORATED BIG INJUN WITH 13 SHOTS (1719'-24'). USED 35,000# OF 20/40 SAND AND 66,000 SCF OF N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB - GL			0	10	
sand, shale, RR			10	48	1/2" stream H2O @ 48'
coal			48	52	coal seam @ 48';88';344'
sand, shale, RR			52	88	
coal			88	95	
sand, shale, RR			95	344	
coal			344	348	
sand, shale, RR			348	1586	
Big Lime			1586	1654	
Big Injun			1654	1748	
sand, shale			1748	2108	gas check @ 1768 4/10 1" H2O
50 ft			2108	2139	
sand, shale			2139	2160	
30 ft			2160	2172	
sand, shale			2172	2296	gas check @ 2200 4/10 1" H2O
Gordon Stray			2296	2258	
sand, shale			2258	2271	
Gordon			2271	2292	
sand, shale			2292	2330	
3rd			2330	2367	gas check @ 2354 ordor
sand, shale			2367	2418	
4th			2418	2446	
sand, shale			2446	2474	
4th A			2474	2498	
sand, shale			2498	2609	gas check @ 2568 no show
5th			2609	2652	
sand, shale			2652	3000	gas check @ 2660 4/10 1" H2O
Upper Speechley			3000	3232	gas check @ 3111 4/10 1" H2O
sand, shale			3232	3313	
Speechley			3313	3327	
sand, shale			3327	3448	gas check @ 3423 2/10 2" H2O
Balltown			3448	3568	gas check @ 3546 10/10 1" H2O
sand, shale			3568	3874	
Bradford			3874	3972	
sand, shale			3972	4439	
Riley			4439	4508	gas check @ 4500 6/10 1" H2O
sand, shale			4508	4646	gas check @ 4660 4/10 1" H2O
Benson			4646	4703	gas check @ 4690 4/10 1" H2O
sand, shale			4703	4780	gas check @ 4700 4/10 1" H2O
			4780	4791	

(Attach separate sheets as necessary)
Driller TD
Logger TD

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: [Signature]

Date: JULY 8, 1985

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."

RECEIVED



IV-35
(Rev 8-81)

JUL 9 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date 7/3/85
Operator's
Well No. #2
Farm JAMES LAROSA
API No. 47 - 033 - 3213

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

WELL TYPE: Oil ___ / Gas xx / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production xx / Underground Storage ___ / Deep ___ / Shallow xx /)

LOCATION: Elevation: 1390' Watershed Davisson Run and Ann Moore Run
District: Simpson County Harrison Quadrangle Clarksburg 7 1/2'

COMPANY PETROLEUM DEVELOPMENT CORPORATION
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330
DESIGNATED AGENT STEVEN R. WILLIAMS
ADDRESS PO BOX 26, BRIDGEPORT, WV 26330
SURFACE OWNER JAMES D. LAROSA
ADDRESS 420 BUCKHANNON PIKE, CLARKSBURG, WV 26301
MINERAL RIGHTS OWNER JAMES J. LAROSA
ADDRESS 420 BUCKHANNON PIKE, CLARKSBURG, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK STEPHEN CASEY
ADDRESS JANE LEW, WV 26378
PERMIT ISSUED MAY 31, 1985
DRILLING COMMENCED JUNE 7, 1985
DRILLING COMPLETED JUNE 12, 1985
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"	18	18	cement to surface
9 5/8			
8 5/8	1176	1176	290 sks.
7			
5 1/2			
4 1/2	4764	4764	510 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 5000 feet
Depth of completed well 4791 feet Rotary xx / Cable Tools _____
Water strata depth: Fresh 48 feet; Salt n/a feet
Coal seam depths: 48'; 88'; 344' Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation BENSON Pay zone depth 4654-70 feet
Gas: Initial open flow not taken Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 539 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1800 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation BIG INJUN Pay zone depth 1719-24 feet
Gas: Initial open flow not taken Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 959 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 390 psig (surface measurement) after 72 hours shut in

(Continue on reverse side)

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

RECEIVED
JUN 17 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 33-3213

Oil or Gas Well _____
(KIND)

Company Petroleum Dev. Co.
 Address _____
 Farm Lakova
 Well No. 2
 District Simpson County Har.
 Drilling commenced 6-7-85
 Drilling completed 6-12- Total depth 4780
 Date shot _____ Depth of shot _____
 Initial open flow 1500 /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 48 feet 348 feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 1175' No. FT. 290 Date 5/15
 NAME OF SERVICE COMPANY BJH
 COAL WAS ENCOUNTERED AT 48 FEET 48 INCHES
88 FEET 84 INCHES 344 FEET 48 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names UDI II

Remarks: 4 1/2 4774' 510 SKS, BJH

6-12-85
DATE

Steve Casaj
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

RECEIVED
JUN 1 1982
OIL & GAS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ DATE I hereby certify I visited the above well on this date.

_____ DISTRICT WELL INSPECTOR

17-Jul-85

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
JUL 25 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Company: PETROLEUM DEVELOPMENT CORP.
Farm: LAROSA, JAMES Well: LAROSA 2 Permit No. 47- 33-3213 (5-31-85)
County: HARRISON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepared before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
14.01	Well Records on Site	-----	-----
	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Steve Casaj
DATE 7-23-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above well will remain under bond coverage for the life of the well.

T.H. Abbott

Director-Oil and Gas Division

August 6, 1985
Date

MU 5-31 85

6380'

LATITUDE 39-17-30 N

LONGITUDE 80-15-08

NORTH

(42" oak with nail in it and a stake marked "corner @ nail")

LaRosa 3.46 ac

LaRosa

LaRosa 16.89 ac

N 58-45E 57' 388-15E 101' 386-45E 159'

N 39W 59'

N 57-30E 580'

367' 360-30W 7 1/2'

S 44-06E 414'

Proposed Location LaRosa #2

N 32-30W 668'

N 14-54W 215'

(fd. fence post with 4 hubs @ base)

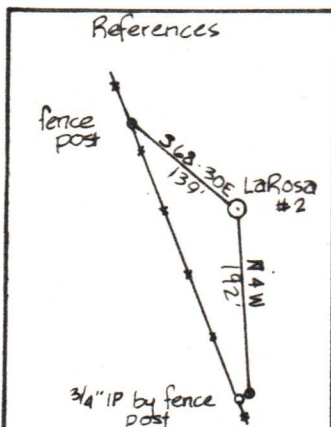
Path 170 ac

N 49-51E 1641'

CSGS #6147 (16)

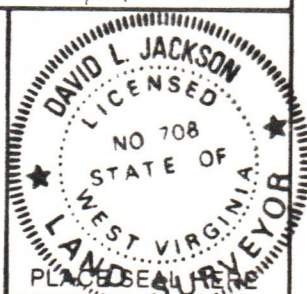
3128(25) 329.05W 1506'

Note: There are no other wells within 2400' of this location (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Hilltop 1750' NE of location; elev. 1554'

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) David L. Jackson
 R.P.E. _____ L.S. 708



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE April 10, 1985
 OPERATOR'S WELL NO. LaRosa # 2
 API WELL NO. _____

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

LOCATION: ELEVATION 1390' WATER SHED Davison Run and Ann Moore Run
 DISTRICT Simpson COUNTY Harrison
 QUADRANGLE Clarksburg 7 1/2'

SURFACE OWNER James D. LaRosa ACREAGE 4.45
 OIL & GAS ROYALTY OWNER James Joseph LaRosa LEASE ACREAGE 97.974
 LEASE NO. 377500

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 Benson ESTIMATED DEPTH 5000

WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Steven Williams
 ADDRESS P.O. Box 26; Bridgeport, WV 26330 ADDRESS P.O. Box 26; Bridgeport, WV 26330

FORM IV-6 (8-78) H.T. HALL

COUNTY NAME PERMIT