

RECEIVED  
NOV - 5 1984



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. Faris #28  
 3) API Well No. 47 - 033 - 3105  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

OIL & GAS DIVISION  
DEPT. OF MINES

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil  / Gas  /  
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  /)
- 5) LOCATION: Elevation: 1176' Watershed: Simpson Creek  
 District: Simpson County: Harrison Quadrangle: Rosemont 7 1/2'
- 6) WELL OPERATOR Petroleum Development Corporation DESIGNATED AGENT Steven R. Williams  
 Address P.O. Box 26, 103 East Main Street 38200 Address P.O. Box 26, 103 East Main Street  
Bridgeport, WV. 26330 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  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate  /  
 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, 60; 210 feet; salt, 1140 feet.  
 14) Approximate coal seam depths: 450, 500 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /
- 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	11 3/4	H-40	42#	X		30			Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	J-55	20#	X		975	975	cement to surface (neat Cement)	
Production	4 1/2	J-55	10.5	X		5000	5000	400sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-033-3105

November 5, 19 84  
Date

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 November 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <input checked="" type="checkbox"/>	Plat:	Casing	Fee
<u>116</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>835.269</u>

Margaret J. Hesse  
Administrator, Office of Oil and Gas

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

File



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

1) GEOLOGICAL TARGET FORMATION: Sandstone  
 2) LOCATION: District: Boone County, West Virginia  
 3) WELL OPERATOR: Sandstone Development, Inc., 100 Main Street, Sandstone, WV 26048  
 4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: [Blank], Address: [Blank]  
 5) PROPOSED WELL WORK: Plug off old formation, terminate new formation. Other physical change in well (specify): [Blank]  
 6) APPROXIMATE TUBING DEPTH: 250-300 feet  
 7) ESTIMATED DEPTH OF COMPLETED WELL: 500 feet  
 8) IS COAL BEING MINED IN THE AREA: Yes

Casing or Tubing Type	Size	Grade	Specialty		Feet	For casing	Feet in well	Cement/Fill (or sacks)	Factors
			Yes	No					
Production	4 1/2	J-55	X		30				
Formation	8 1/2	J-55	X		275				
Coal									
Fresh water									
Liner									

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	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

Bond:	Agent:	Print:	Casing:



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NOV - 5 1984

1) Date: \_\_\_\_\_, 19\_\_\_\_  
2) Operator's Well No. Paris #28  
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

OIL & GAS DIVISION

4) WELL TYPE:  A MINES / Gas xx /

B (If "Gas", Production xx / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow xx /)

5) LOCATION: Elevation: 1176' Watershed: Simpson Creek  
District: Simpson County: Harrison Quadrangle: Rosemont 74'

6) WELL OPERATOR: Petroleum Development Corporation 7) DESIGNATED AGENT Steven R. Williams  
Address: P.O. Box 26, 103 East Main Street Address: P.O. Box 26, 103 East Main Street  
Bridgeport, WV, 26330 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 \_\_\_\_\_  
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, 60, 210 feet; salt, 1140 feet.

14) Approximate coal seam depths: 450, 5000 Is coal being mined in the area? Yes \_\_\_\_\_ / No xx

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	<u>17 3/4 H-40</u>		<u>42#</u>	<u>X</u>		<u>30</u>			Kinds
Fresh water									
Coal									
Intermediate	<u>8 5/8 J-55</u>		<u>20#</u>	<u>X</u>		<u>975</u>	<u>975</u>		Sizes
Production	<u>4 1/2 J-55</u>		<u>10.5</u>	<u>X</u>		<u>5000</u>	<u>5000</u>	<u>cement to surface (neat cement)</u>	Depths set
Tubing								<u>400sks</u>	
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: \_\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
(Signature) Date: \_\_\_\_\_

Mary R. Paris  
(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.

## I N S T R U C T I O N S T O A P P L I C A N T

### 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.

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#### 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 Page</u>
Robert D. Faris	Hope Gas, Inc.	.021702	347/441
George T. Faris III	Hope Gas, Inc.	.021701	347/441
Virginia Guckes	Hope Gas, Inc.	.019097	347/441
Mary D. Faris	Hope Gas, Inc.	.019097	347/441
Florence Faris Estate	Hope Gas, Inc.	.043403	347/441

\*\* Petroleum Development Corporation acquired its interest to these rights by Farmout Agreement dated 7/10/84 and recorded in Book No. 1141 at page 952.

1) Date: \_\_\_\_\_, 19\_\_\_\_  
2) Operator's  
Well No. Faris #28  
3) API Well No. 47-033-3105  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

- (i) Name Mary D. Faris, Executrix of Sam. Faris Estate  
Address C/O George Faris  
R.F.D. #2, Box 3565
- (ii) Name Morrisville, Vermont 05661  
Address \_\_\_\_\_
- (iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Mary D. Faris, Executrix of Samuel  
Address Faris Estate C/O George Faris  
RFD #2, Box 3565

Name Morrisville, Vermont 05661  
Address \_\_\_\_\_

5(iii) 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 work 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 SUMMARIZED 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.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application 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) 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.)

7) ROYALTY PROVISIONS

Is 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 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.

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 Steven A. Williams

this 9th day of October, 1984.  
My commission expires August 6, 1992.

Robert Allison  
Notary Public, Harrison County,  
State of West Virginia

WELL OPERATOR Petroleum Development Corporation

By Lois R. Warren  
Its President  
Address P.O. Box 26  
Bridgeport, WV. 26330  
Telephone 304/842-6256

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NOV - 5 1984  
OIL & GAS DIVISION  
DEPT. OF MINES



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. Paris #28  
 3) API Well No. 47  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

OIL & GAS DIVISION  
 DEPT. OF MINES

- 4) WELL TYPE: A Oil \_\_\_\_\_ Gas XY /  
 B (If "Gas", Production XX / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow XY /)
- 5) LOCATION: Elevation: 1176' Watershed: Simpson Creek  
 District: Simpson County: Harrison Quadrangle: Rosemont 7 1/2'
- 6) WELL OPERATOR Petroleum Development Corp 7) DESIGNATED AGENT Steven R. Williams  
 Address P.O. Box 25, 101 East Main Street Address P.O. Box 25, 101 East Main Street  
Bridgeport, WV, 26330 Bridgeport, WV, 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Stephen Casey Name \_\_\_\_\_  
 Address Pt. 2, Box 232-D Address \_\_\_\_\_  
Jane Lev, WV, 26379
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_ /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Ranson
- 12) Estimated depth of completed well, 5000 feet
- 13) Approximate strata depths: Fresh, 60; 210 feet; salt, 1140 feet.
- 14) Approximate coal seam depths: 450, 5000 Is coal being mined in the area? Yes \_\_\_\_\_ / No XX /
- 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	<u>11 3/4</u>	<u>H-40</u>	<u>42#</u>	<u>X</u>		<u>30</u>				Kinds
Fresh water										Sizes
Coal										Depths set
Intermediate	<u>8 5/8</u>	<u>J-55</u>	<u>20#</u>	<u>X</u>		<u>975</u>	<u>975</u>	<u>cement to surface (neat Cement)</u>		
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5000</u>	<u>5000</u>	<u>400sks</u>		
Tubing										Perforations:
Liners										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 X Marcy D Forin

Its \_\_\_\_\_



DATE: \_\_\_\_\_, 19\_\_\_\_  
OPERATOR'S  
WELL NO.: Faris #28

RECEIVED  
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State of West Virginia

API NO: 47 - -  
State County Permit No

OIL & GAS DIVISION  
DEPT. OF MINES

OFFICE OF OIL AND GAS  
DEPARTMENT OF MINES

A F F I D A V I T

State of West Virginia

County of Harrison

I, Steve R. Williams (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: Steve R. Williams  
President of Petroleum Development Corporation

Taken, Subscribed, and sworn to before me this 2nd day of November, 1984.

Notary: Thomas Alessio

My Commission Expires: August 6, 1992







**APPLICATION  
 WV General NPDES Permit for Oil & Gas  
 Drilling PIT Waste Discharge**

Permit No. \_\_\_\_\_

47-033-3105

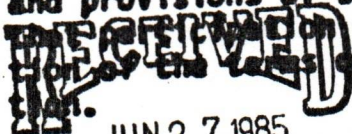
**1) APPLICATION (To Be Completed By Company)**

1. Company Name Petroleum Development Corporation  
 Mailing Address P.O. Box 26, Bridgeport, West Virginia 26330  
 Telephone 304/842-6256 Well Name Faris #28  
 Name of stream that may be discharged to: Unknown  
 A tributary of: Deegan Lake

3. Treatment and method of pit disposal most likely to be utilized (method not necessarily restricted to this):  
Lime

4. Name of person supervising discharge: PKC Inc. - Charles Krushansky  
 Telephone 304/292-1265 Date Approved \_\_\_\_\_

5. By completing and submitting this application I agree to adhere to the guidance and provisions of the interim experimental general permit system. I understand that participation in the program does not prohibit enforcement action for violation of the terms of this general permit or some other applicable law or regulation.



JUN 27 1985

Euel E. Morgan 4-9-85  
 Signature Date

OIL & GAS DIVISION  
 DEPT. OF MINES

**2) NOTIFICATION (To Be Completed By DWR)**

1. Initial Company contact: (Approximately 7 days prior to discharge)  
 Date 5-22-85 Individual V. Leow  
 Proposed discharge date 5-30-85  
 Type of disposal method selected land  
 Volume of waste 90,000 Discharge rate 100 GPM CFS  
 Time projected for discharge 2 DAYS DAYS  
 Receiving Stream flow rate N/A CFS

Objection \_\_\_\_\_ No Objection

2. Final Company contact: (48 hours required notice)  
 Date 5-28-85 Individual V. Leow  
 Final discharge date 5-30-85  
 Objection \_\_\_\_\_ No Objection

**INSPECTION (To Be Completed By DWR)**

1. 208 Practices - Acceptable \_\_\_\_\_ Not Acceptable   
 Comments: \_\_\_\_\_

2. Compliance with general permit interim guidelines: Acceptable \_\_\_\_\_ Not Acceptable \_\_\_\_\_  
 Comments: \_\_\_\_\_

3. Division of Water Resources Action Taken: \_\_\_\_\_  
 Action Recommend: \_\_\_\_\_

4. Parameters (Prior to discharge (if any) at discharge):  
 pH 6.5 Total Pb \_\_\_\_\_ TOC \_\_\_\_\_  
 Chloride \_\_\_\_\_ TSS \_\_\_\_\_ Conductivity \_\_\_\_\_  
 Total Fe <1.0 Total Cu \_\_\_\_\_

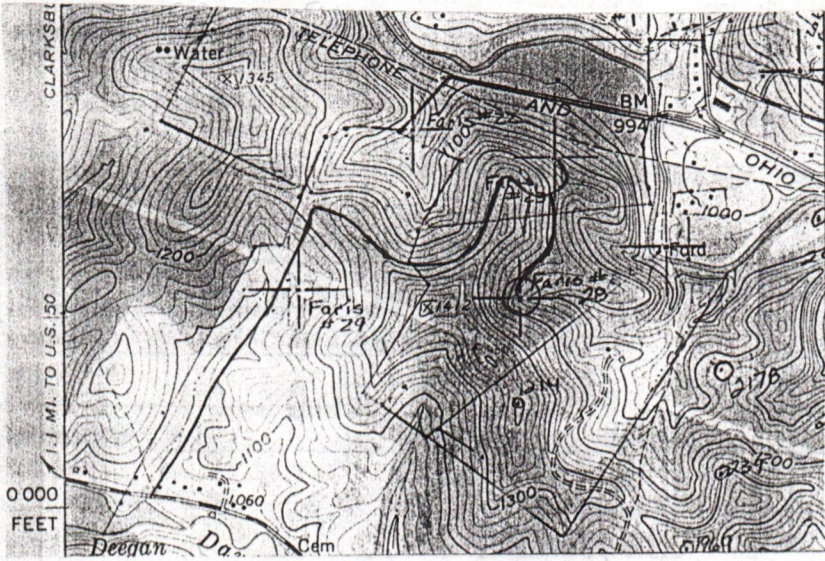
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Rosemont 7 1/2'

**LEGEND**

Well Site ⊕

Access Road ———



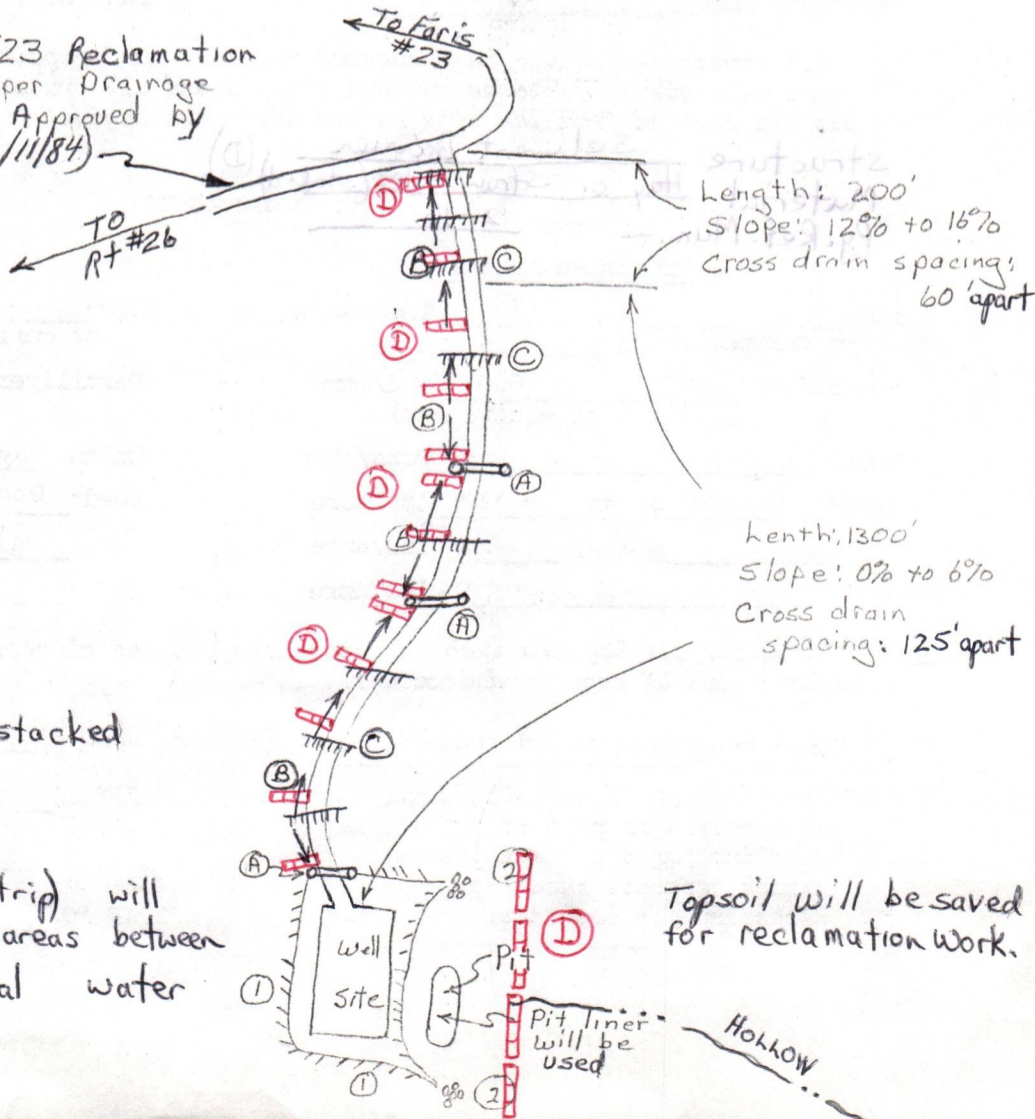
**WELL SITE PLAN**

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 ————	Diversion ————
Road = = = = =	Spring ○ →
Existing fence — x — x —	Wet spot ☹
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — ○ —
Open ditch — ···· — ···· — ···· —	Waterway < = = = = >

(see Faris #23 Reclamation Plan For Proper Drainage Structures, Approved by WFSCD 6/11/84)



Not to Scale

Timber will be cut and stacked for easy access.

Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses.

Topsoil will be saved for reclamation work.

Pit liner will be used

Hollow

4  
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IV-9

(Rev 8-81)

OIL & GAS DIVISION

RECD. (WFS) MINES

OCT 2 1984

State of West Virginia

Department of Mines

Oil and Gas Division

DATE September 28, 1984

WELL NO. Faris No. 28

API NO. 47-033-3125

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Petroleum Development Corp.

DESIGNATED AGENT Steven Williams

Address P.O. Box 26, Bridgeport, WV 26330

Address P.O. Box 26, Bridgeport, WV 26330

Telephone 842-6256

Telephone 842-6256

LANDOWNER Samuel S. Faris

SOIL CONS. DISTRICT West Fork

Revegetation to be carried out by \_\_\_\_\_

Seeding Contractor \_\_\_\_\_

(Agent)

This plan has been reviewed by West Fork SCD. All corrections

and additions become a part of this plan: 10/16/84

(Date)

Kenneth E. Knight  
(SCD Agent)

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 WFS CD.

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure Diversion ditch (1)

(according to Oil & Gas Manual) (at natural drains)

Spacing 18" diameter

Material earth

with riprapped outlet

Page Ref. Manual 2.7

Page Ref. Manual 2.12

Structure Drainage ditch (B)

Structure Rip-rap (2)

Spacing Inside road cuts

Material stone

Page Ref. Manual 2.12

Page Ref. Manual 2.14

Structure Cross drains (C)

Structure \_\_\_\_\_ (3)

Spacing as noted on the back of this plan

Material \_\_\_\_\_

with riprapped outlet

Page Ref. Manual 2.1

Page Ref. Manual \_\_\_\_\_

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.

Structure Sediment Barrier (D)  
Material Hay or straw bales (staked)  
Pg. Ref. Man. Woods 2-16

REVEGETATION

Woods

Treatment Area I

Treatment Area II

\* Lime 3 Tons/acre

\* Lime 3 Tons/acre

or correct to pH 6.5

or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed\* Orchard grass 12 lbs/acre

Seed\* Orchard grass 12 lbs/acre

Ladino clover 3 lbs/acre

Ladino clover 3 lbs/acre

lbs/acre

lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

\*Lime according to pH test

PLAN PREPARED BY David L. Jackson

NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

ADDRESS P.O. Box 969

Buckhannon, WV 26201

PHONE NO. 472-9369

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

Perforated Benson formation with 2 shots (4337'-38') and 10 shots (4353'-57').  
Performed gelled water frac w/N2 assist using 15,000# of 80/100 sand and 40,000# of 20/40 sand. Used 76,000 SCF 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 to GL			0	10	hole damp at 120'
sand, shale, redrock			10	1254	coal at 794'
blue monday			1254	1271	
sand, shale			1271	1308	
big lime			1308	1373	
keener			1373	1396	
sand, shale			1396	1401	
big injun			1401	1459	
sand, shale			1459	1805	gas check @ 1506'; no show
gantz			1805	1821	gas check @ 1818'; no show
sand, shale			1821	1832	
50 foot			1832	1871	
sand, shale			1871	1916	gas check @ 1913'; no show
30 foot			1916	1947	
sand, shale			1947	1984	
gordon stray			1984	1996	
sand, shale			1996	2002	
gordon			2002	2022	
sand, shale			2022	2136	gas check @ 2132'; no show
4th sand			2136	2164	
sand, shale			2164	2246	
5th sand			2246	2277	
sand, shale			2277	2322	
bayard (lower 5th)			2322	2366	gas check @ 2353'; 6/10=1"w/H2O
sand, shale			2366	2931	
speechley			2931	3020	gas check @ 2943'; 6/10=1"w/H2O
sand, shale			3020	3255	gas check @ 3223'; 12/10=1"w/H2O
balltown			3255	3388	
sand, shale			3388	3502	
bradford			3502	3588	
sand, shale			3588	4029	gas check @ 3939'; 8/10=1"w/H2O -
riley			4029	4196	
sand, shale			4196	4331	
benson			4331	4361	
shale			4361	4508 TD	logger
				4522 TD	driller
					gas check @ 4438'; 40/10=2"w/H2O
					gas check @ 4522'; 50/10=2"w/H2O
					gas check after pulling collars
					20/10=2"w/H2O

(Attach separate sheets as necessary)

No stabilized initial production rate was established

PETROLEUM DEVELOPMENT CORPORATION

Well Operator

By: 

Date: \_\_\_\_\_

December 7, 1984

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."

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DEC 1 1 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division



Date 12/7/84  
Operator's # 28  
Well No. \_\_\_\_\_  
Farm Faris  
API No. 47 - 033 - 3105

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

WELL TYPE: Oil \_\_\_ / Gas<sup>xx</sup> / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production<sup>xx</sup> / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow<sup>xx</sup>)

LOCATION: Elevation: 1176' Watershed Simpson Creek  
District: Simpson County Harrison Quadrangle Rosemont 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 Mary D. Faris c/o George T. Faris  
ADDRESS RFD #2, Box 3565, Morrisville, Vt. 05661  
MINERAL RIGHTS OWNER Mary D. Faris, et al  
ADDRESS same as surface  
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey  
ADDRESS Rt 2, Box 232-D Jane Lew, WV 26378  
PERMIT ISSUED November 5, 1984  
DRILLING COMMENCED November 12, 1984  
DRILLING COMPLETED November 17, 1984  
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"	30'	30'	cement to surface
9 5/8			
8 5/8	1002'	1002'	220 sks
7			
5 1/2			
4 1/2	4457'	4457'	165 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 5000 feet  
Depth of completed well 4522 feet Rotary xx / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 120 feet; Salt n/a feet  
Coal seam depths: 794' Is coal being mined in the area? no

OPEN FLOW DATA  
Producing formation Benson Pay zone depth 4337 -57 feet  
Gas: Initial open flow check 189 Mcf/d Oil: Initial open flow n/a Bbl/d  
Final open flow 2316 Mcf/d Final open flow n/a Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 2000 psig (surface measurement) after 72 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)

HARR-3105

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

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INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 33-3105

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Petroleum Dev. Co.

Address \_\_\_\_\_

Farm Farris

Well No. 28

District Simpson County Harr.

Drilling commenced 11-13-84

Drilling completed \_\_\_\_\_ Total depth \_\_\_\_\_

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /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 125 feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

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

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names UDI 5

Remarks: dr. at 203'

11-13-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR





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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3105

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>PDC</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Faris</u>	16			Kind of Packer _____
Well No. <u>28</u>	13			
District <u>Simpson</u> County <u>Harr.</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>1002'</u> <u>220</u> SKS. No. FT. _____ Date _____			
Fresh water <u>120</u> feet <u>125</u> feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT <u>794</u> FEET <u>48</u> INCHES			
	FEET	INCHES	FEET	INCHES
	FEET	INCHES	FEET	INCHES

Drillers' Names MDI 5

Remarks: dr. at 3191'

11-16-84

DATE

Steve Casey

DISTRICT WELL INSPECTOR



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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3105

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company PDC

Address \_\_\_\_\_

Farm Faris

Well No. 28

District \_\_\_\_\_ County Harrison

Drilling commenced \_\_\_\_\_

Drilling completed 11-19-84 Total depth 4526

Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_

Initial open flow \_\_\_\_\_ /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 \_\_\_\_\_ feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

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

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_

NAME OF SERVICE COMPANY \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

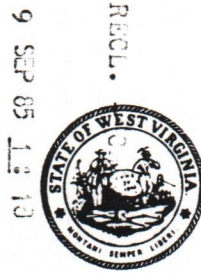
Drillers' Names UDI 5

Remarks: \_\_\_\_\_

11-20-84  
DATE

Steve Corsey  
DISTRICT WELL INSPECTOR





**State of West Virginia**  
**Department of Mines**  
**Oil and Gas Division**  
**Charleston 25305**

**FINAL INSPECTION REPORT**  
**INSPECTORS COMPLIANCE REPORT**  
**December 19, 1984**

COMPANY Petroleum Development Corp.  
P. O. Box 26  
Bridgeport, West Virginia 26330

PERMIT NO 033-3105 (11-05-84)  
FARM & WELL NO Mary Faris #28  
DIST. & COUNTY Simpson/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 Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
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		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

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

SIGNED Steve Casey  
DATE 9-6-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...  
Administrator-Oil & Gas Division

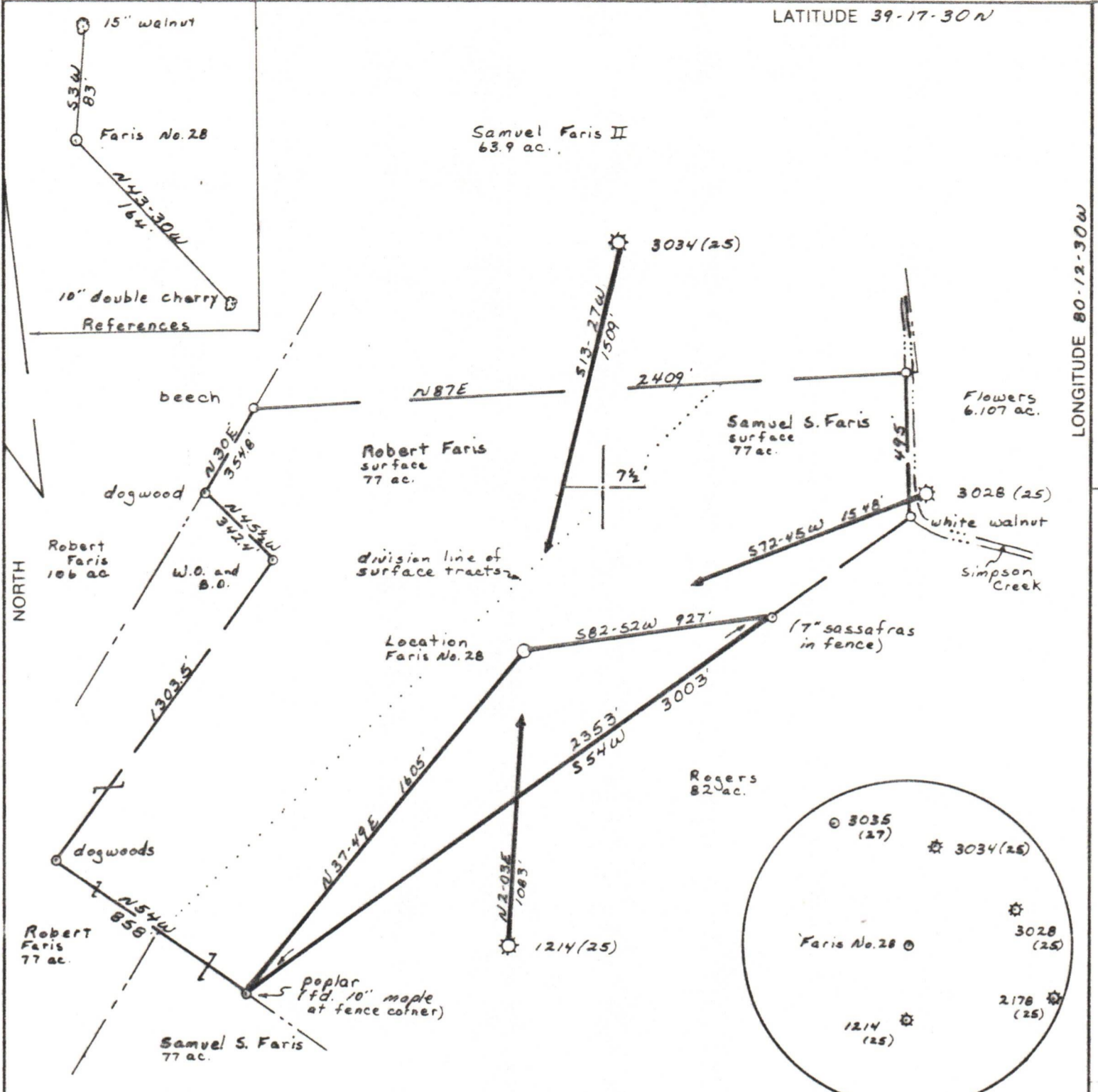
September 13, 1985  
DATE

0 77721 N/S/84

7080

LATITUDE 39-17-30 N

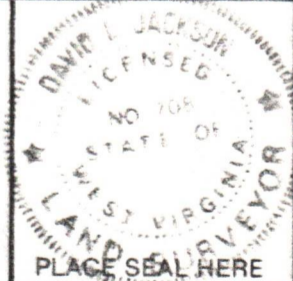
LONGITUDE 80-12-30 W



(+) 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 Well No. 3034 1509'  
northeast of location; elev. 1132

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.L.S. 708



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



DATE September 24, 1984  
 OPERATOR'S WELL NO. Faris No. 28  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS.") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 STATE COUNTY PERMIT

LOCATION: ELEVATION 1176 WATER SHED Simpson Creek  
 DISTRICT Simpson COUNTY Harrison  
 QUADRANGLE Rosemont 7 1/2

SURFACE OWNER Samuel S. Faris ACREAGE 77  
 OIL & GAS ROYALTY OWNER FARIS HEIRS LEASE ACREAGE 376  
 LEASE NO. 378600

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 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)

COUNTY NAME PERMIT