



1) Date: October 17, 19 84
 2) Operator's Well No. Bubby No. 1
 3) API Well No. 47 - 033 - 3120
 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 X /
 B (If "Gas", Production X / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1183.31 Watershed: Mudlick Run
 District: Clay County: Harrison Quadrangle: Shinnston 7.5'
- 6) WELL OPERATOR Chesterfield Energy Corporation 7) DESIGNATED AGENT Stanley N. Pickens
 Address 319-320 Professional Building Address 319-320 Professional Building
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name Unknown
 Address Rt. 2, Box 232-D Address
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Speechly
- 12) Estimated depth of completed well, 3450 feet
- 13) Approximate strata depths: Fresh, 90 feet; salt, -- feet.
- 14) Approximate coal seam depths: 350, 530, 560 Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM

RECEIVED

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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	11-3/4	H-40	42		X	16	16		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8	J-55	23	X		900	900	Circulate	To Surface NEAT As required by rule 15.01
Production	4-1/2	J-55	10.5	X			3450	Depth	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3120

November 27, 1984
 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 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
36	TS	MW	MW	434

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



OFFICE USE ONLY

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

1) WELL OPERATOR: _____
 2) WELL LOCATION: _____
 3) PROPOSED WELL WORK: _____
 4) DRILLING CONTRACTOR: _____
 5) OIL & GAS INSPECTOR TO BE NOTIFIED: _____
 6) GEOLOGICAL TARGET FORMATION: _____
 7) APPROXIMATE COAL SEAM DEPTH: _____
 8) APPROXIMATE COAL SEAM DEPTH: _____
 9) APPROXIMATE COAL SEAM DEPTH: _____

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OIL & GAS DIV.
DEPT. OF MINES

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: _____

Board	Agent	Plat	Casting	Fee



1) Date: November 14, 1984
 2) Operator's Well No. Bubby #1 Well
 3) API Well No. 47 033
 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 _____)
- 5) LOCATION: Elevation: 1183.31' Watershed: Mudlick Run
 District: Clay County: Harrison Quadrange: Shinnston 7.5'
- 6) WELL OPERATOR Chesterfield Energy Corp. 7) DESIGNATED AGENT Stanley N. Pickens
 Address 320 Professional Building Address 320 Professional Building
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name Unknown
 Address Rt. #2, box 252-D Address _____
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Speechley
- 12) Estimated depth of completed well, 9450 feet
 13) Approximate trata depths: Fresh, 90 feet; salt, _____ feet.
 14) Approximate coal seam depths: 350, 530, 580 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	<u>11 3/4</u>	<u>H40</u>	<u>42</u>		<u>X</u>	<u>16'</u>	<u>16'</u>		
Fresh water									
Coal									
Intermediate	<u>8 5/8</u>	<u>J55</u>	<u>25</u>	<u>X</u>		<u>900</u>	<u>900</u>	<u>Circulate</u>	
Production	<u>4 1/2</u>	<u>J55</u>	<u>10.5</u>	<u>X</u>			<u>3450</u>		
Tubing									
Liners									

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 NOV 21 1984

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 OIL & GAS DIVISION
 DEPT. OF MINES

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.

DEPT. OF MINES

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.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
X _____ Date: 11/15/84
 (Signature)
 _____ Date: _____
 (Signature)

NOTE OVER



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

**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.

M's Hossey

MR. CAUN AND I MET AT THE SITE ON 11/14/84. WELL

LOCATION WAS DISCUSSE AND ALTERNATE LOCATION WAS

APPROVED BY ME. CONSIDERATION APPROVED BY BOTH.

[Signature]
Surface Owner

1) Date: October 19, ,19 84
2) Operator's
Well No. Bubby #1 Well
3) API Well No. 47-033-3120
State County Permit

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

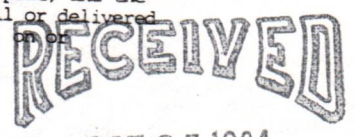
4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Clay Development Co.
Address P. O. Box 386
Shinnston, WV 26431
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name _____
Address _____
Name _____
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) before the day of mailing or delivery to the Administrator.



OCT 23 1984

OIL & GAS DIV.
DEPT. OF MINES

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
Stanley N. Pickens

WELL OPERATOR Chesterfield Energy Corporation
By Stanley N. Pickens
Its President
Address 320 Professional Building
Clarksburg, WV 26301
Telephone (304) 623-5467

this 19 day of October, 19 84.
My commission expires 6/14, 19 94.
Brenda Drummond
Notary Public, Harrison County,
State of West Virginia

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.

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:

_____ Grantor, lessor, etc. _____ Grantee, lessee, etc. _____ Royalty _____ Book Page

Handwritten signature: Charles A. Petrell

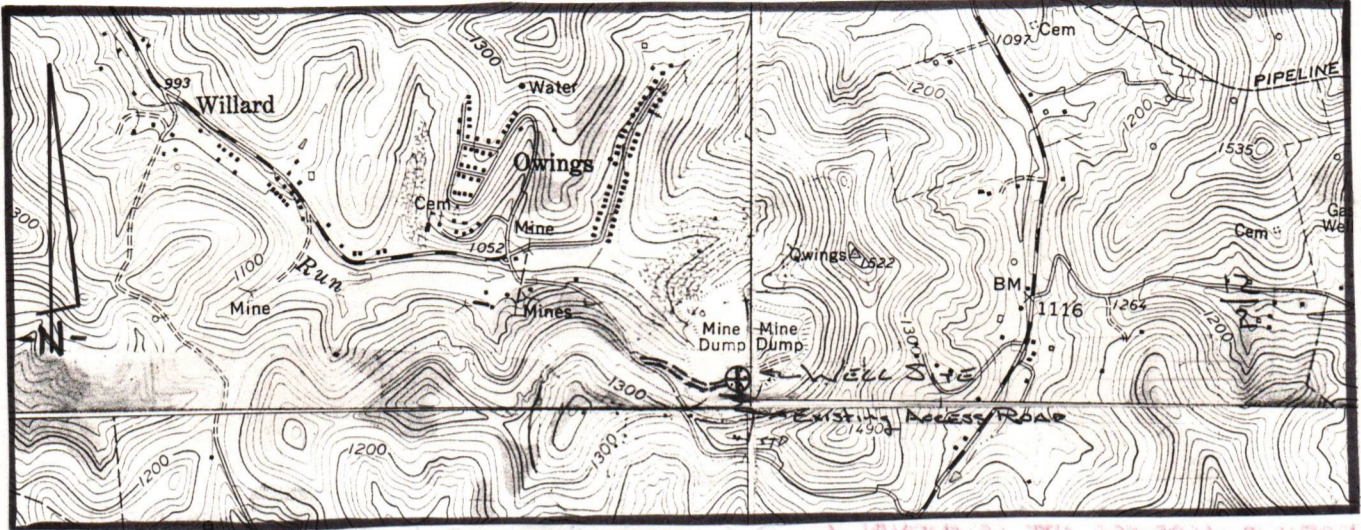
Handwritten signature: [illegible]

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Shinnston 7.5'

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

THIS DRAWING IS A PRELIMINARY PLAN AND IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CLIENT ACCEPTS THE RISK OF INADEQUACY OF THIS PLAN.

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

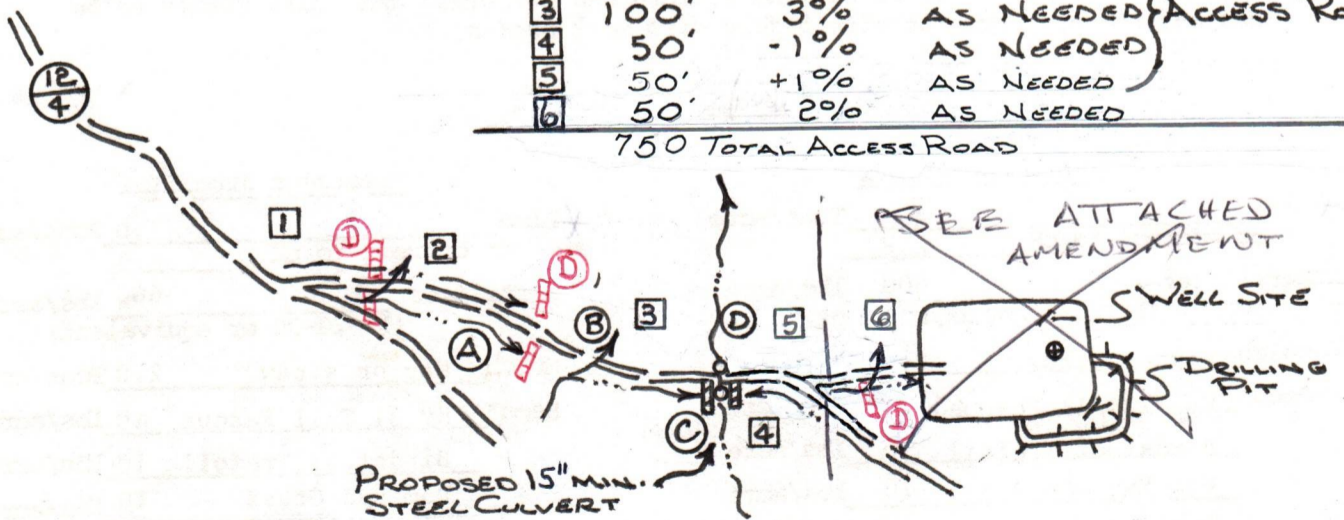
LEGEND

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

ACCESS ROAD	SLOPE	CROSS DRAIN SPACING
1 300'	1%	AS NEEDED
2 200'	1%	AS NEEDED
3 100'	3%	AS NEEDED
4 50'	-1%	AS NEEDED
5 50'	+1%	AS NEEDED
6 50'	2%	AS NEEDED

EXISTING ACCESS ROAD

750 TOTAL ACCESS ROAD



Comments: Access to the well site will be gained by upgrading as needed 700 feet of existing access road and 50 feet of new access road, beginning at a junction point in the Harrison County Route 12/4. The access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structures and ditches will be to stable areas. The well location will be located in a flat cleared area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses. Topsoil will be stockpiled for use in reclamation work.



DATE October 15, 1984

WELL NO. Bubby No. 1

API NO. 47 - 033 - 3120

IV-9
(Rev 8-81)

Rec'd. (WF-SCD)

OCT 17 1984

State of West Virginia

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Chesterfield Energy Corporation DESIGNATED AGENT Stanley N. Pickens
Address 319-320 Professional Bldg. Clarksburg, WV 26301 Address 319-320 Professional Bldg. Clarksburg, WV 26301
Telephone (304) 623-5467 Telephone (304) 623-5467

LANDOWNER Clay Development SOIL CONS. DISTRICT West Fork
Revegetation to be carried out by Stanley N. Pickens (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 10/22/84 (Date)

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.

Kenneth E. Bright
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Along Access Road
Spacing Inside Road Cuts
Page Ref. Manual 2-12 to 2-14

Structure _____ (1)
Material _____
Page Ref. Manual _____

Structure Cross Drains (B)
Spacing As Noted On Sketch with riprapped outlet
Page Ref. Manual 2-1 to 2-6

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure Culvert (C)
(according to Oil & Gas Manual at natural drains)
Spacing 15" Min. Steel Culvert with riprapped outlet
Page Ref. Manual 2-7 to 2-11

Structure _____ (3)
Material _____
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)
Page Ref. Manual 2-16

REVEGETATION

Treatment Area I

Treatment Area II

*Lime 3.0 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or straw 2.0 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 lbs/acre

*Lime 3.0 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or straw 2.0 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 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.

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

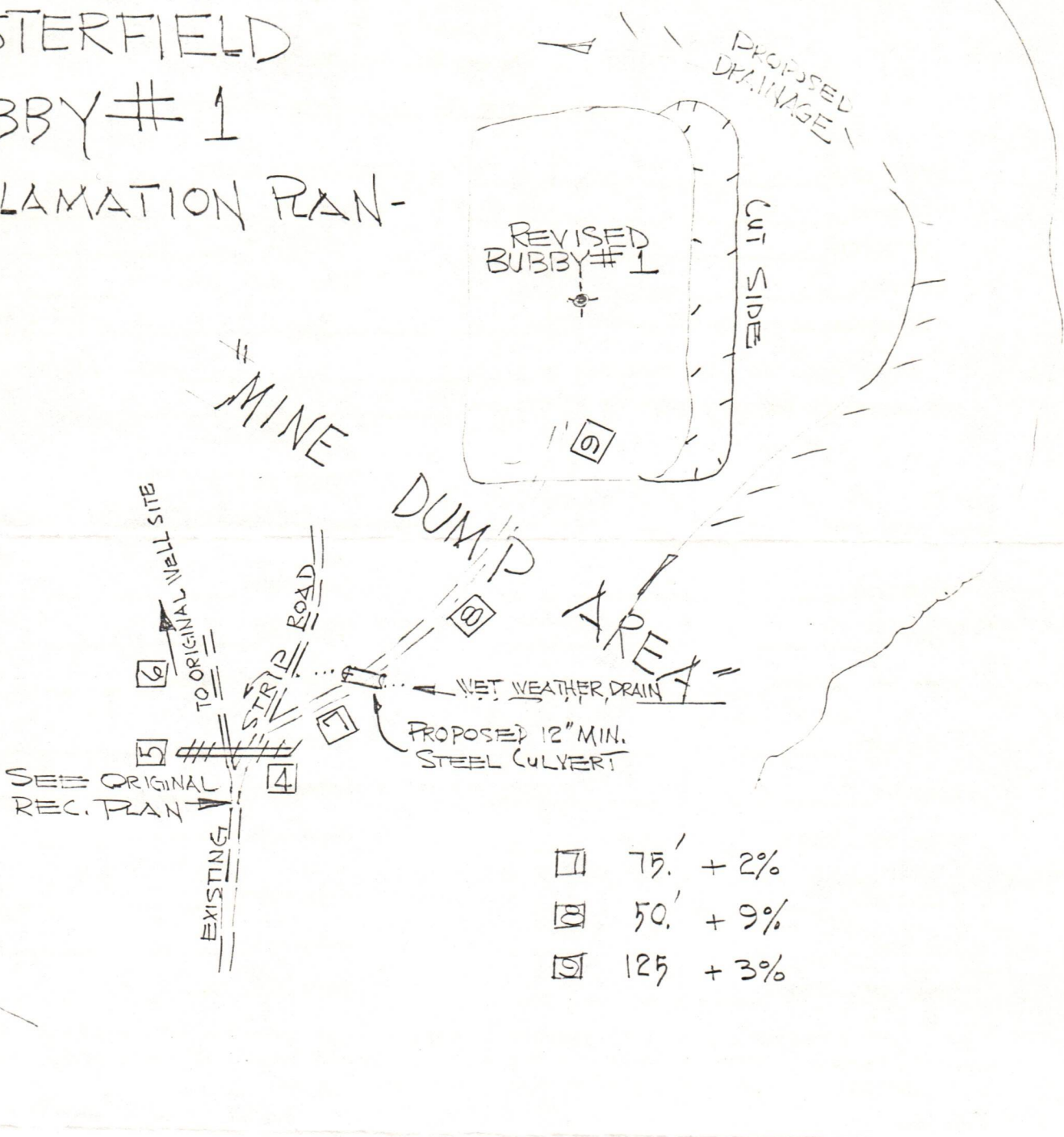
PLAN PREPARED BY MSES Consultants
ADDRESS 609 West Main Street
Clarksburg, WV 26301
PHONE NO. 304-624-9700, 842-3325

AMENDMENT

CHESTERFIELD

BUBBY # 1

- RECLAMATION PLAN -



- 75' + 2%
- 50' + 9%
- 125' + 3%



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NOV 21 1984

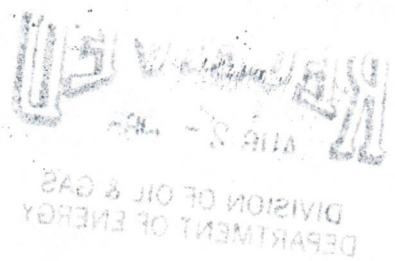
OIL & GAS DIVISION
DEPT. OF MINES

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

Balltown 5,000# 80/100; 30,000# 20/40
465 BBLs Water

Speechley 5,000# 80/100; 30,000# 20/40
453 BBLs Water

Fifth Sand 5,000# 80/100; 45,000# 20/40
560 BBLs Water



WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	75	
Shale			75	105	1/4" water @ 85'
Sand & Shale			105	236	
Sand			236	267	
Sand & Shale			267	373	
Sand & Shale			373	635	
Sand			635	948	
Red Rock & Shale			948	1515	Gas Ck @ 1491' No Show
Big Lime			1515	1580	
Injun			1580	1690	Gas Ck @ 1613' 2/10-1" w/w
Sand & Shale			1690	2080	
Fifty Foot			2080	2130	
Sand & Shale			2130	2480	
Fourth Sand			2480	2540	
Shale			2540	2605	
Fifth Sand			2605	2655	Gas Ck @ 3310' 28/10-1" w/w
Sand & Shale			2655	3295	
Speechley			3295	3330	
Sand & Shale			3330	3640	
Balltown			3640	3870	
Sand & Shale			3870	4110	Gas Ck @ TD 10/10-1" w/w
TD			4110		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation
Well Operator

By: Stanley Pickens

Date: August 1, 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 all, encountered in the drilling of a well."



IV-35
(Rev 8-81)

Date August 1, 1985
Operator's
Well No. Bubby #1 Well
Farm _____
API No. 47 - 033 - 3120

RECEIVED
AUG 2 - 1985

State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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 ___ /)

LOCATION: Elevation: 1183.31' Watershed Mudlick Run
District: Clay County Harrison Quadrangle Shinnston 7.5'

COMPANY Chesterfield Energy Corporation

ADDRESS 320 Professional Building, Clarksburg, WV 26301

DESIGNATED AGENT Stanley N. Pickens, President

ADDRESS 320 Professional Building, Clarksburg, WV 26301

SURFACE OWNER Clay Development

ADDRESS P.O. Box 386, Shinnston, WV 26431

MINERAL RIGHTS OWNER Frank L. Ferrari, et al

ADDRESS 1524 Franklin Ave., Clarksburg, WV 26301

OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Rt. #2, Box 232-D, Jane Lew, WV 26378

PERMIT ISSUED November 27, 1984

DRILLING COMMENCED July 23, 1985

DRILLING COMPLETED July 27, 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.			
11 3/4			
9 5/8			
8 5/8		917'	250 sks
7			
5 1/2			
4 1/2		3945'	415 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown, Speechley, Fifth Sand Depth _____ feet

Depth of completed well 4110 feet Rotary XX / Cable Tools _____

Water strata depth: Fresh 85' feet; Salt _____ feet

Coal seam depths: None Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 3640'-3870' feet

Gas: Initial open flow 87 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 350 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 650 psig (surface measurement) after 12 hours shut in

(If applicable due to multiple completion--)

Second producing formation Speechley Pay zone depth 3275'-3330' feet

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

Commingled with first stage 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

Third Pro. Form. Fifth Sand Pay Zone 2605'-2655'

(Continue on reverse side)

HARR. 3120

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

RECEIVED
JUL 30 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 33-3120

Oil or Gas Well _____
(KIND)

Company Chesterfield
 Address _____
 Farm Clay Dwell.
 Well No. Bobby 1
 District Clay County Harr.
 Drilling commenced 7-23-85
 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 85 feet _____ 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 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 917' No. FT. 225 SA Date _____
 NAME OF SERVICE COMPANY Dowell
on old strip
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names COI 11

Remarks: dr. at 2536'

7-26-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR

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

RECEIVED
MAR 07 1982
DIVISION OF OIL & GAS

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



State of West Virginia
Department of Energy
Oil and Gas Division
Charleston 25311

RECEIVED
OCT 24 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 7, 1985

COMPANY Chesterfield Energy Corporation PERMIT NO 033-3120 (11-27-84)
320 Professional Building FARM & WELL NO Clay Dev. Co., Bubby #1
Clarksburg, West Virginia 26301 DIST. & COUNTY Clay/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 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	_____	_____
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 10-22-85

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. ...
Director, Division of Oil & Gas
October 31, 1985
DATE

Oil and Gas Lease

BOOK 1142 PAGE 572

THIS AGREEMENT, made and entered into this 23rd day of August, 19 84

by and between Leon F. Wilson and Thelma Wilson, his wife

hereinafter called Lessors, whether one or more, and CHESTERFIELD ENERGY CORPORATION, Suite 320, Professional Building, South Third Street, Clarksburg, West Virginia 26301, hereinafter called Lessee.

WITNESSETH, that Lessors, for and in consideration of the sum of One Dollar (\$1.00) to them in hand paid by Lessee, the receipt of which is hereby acknowledged, and of covenants and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let unto Lessee, for the exclusive possession and use of himself, his heirs, successors or assigns, for the purpose of exploring and operating for, producing and marketing oil and gas, natural gasoline, casing head gas, condensate, related hydrocarbons, and all other related products, including the building of roads, laying pipelines, installation of meters and installing equipment thereon to take care of such products, all that certain tract or parcel of land situate in Clay District, Harrison County, West Virginia, on the waters of Mudlick Run, and bounded substantially by lands now or formerly owned as follows:

North Clay Development Co. (Henry L. Janes) East Clay Development Co. (G. W. Stewart) South Seese West Route 12/4 and McIntyre

containing forty-four (44) acres more or less, excepting and reserving, however, therefrom all land within two hundred feet of the residence buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for a term of 18 months, interest is acquired and as long thereafter as operations are conducted on said land by Lessee in search for or production of oil, natural gas or related products. "Operations" as used herein, shall be deemed to be commenced when the first material or equipment is placed on the leased premises, or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations.

In consideration of the Premises, Lessee covenants and agrees: 1st - to deliver to the credit of Lessors, their heirs, successors, or assigns, free of cost, a royalty equaling their proportionate share of one-eighth (1/8) part of all oil produced and saved from the leased premises; 2nd - to pay their proportionate share of one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises; said gas to be measured by meters and said payments to be made by party of second part by check, mailed to last reported address, to the party of the first part, their heirs or assigns, and payable monthly within ten days of the receipt of said money from the sale of said products; 3rd - to pay "shut-in" royalty, on each date that royalty otherwise would be due as hereinabove provided, based on \$300 per well per year, for each well producing gas only when the gas from such well is not sold, marketed or used off the premises for thirty (30) days or more beyond the designated pay period, and upon such payment it will be considered that gas is being produced in paying quantities.

Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessors in title or otherwise, and any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

Lessee shall have the right to pool or unitize the leased acreage, or any part or parts thereof, with other tracts so as to form a drilling unit or pool not to exceed 100 acres for formations shallower than 6000 feet and 640 acres for formations deeper than 6000 feet. Operations upon the pooled acreage, for all purposes except royalty and free gas, shall be deemed to have occurred upon the demised premises. Lessor shall receive as royalties for minerals produced and marketed from the pooled area an amount equal to the proportion that Lessor's acreage placed in the pooled area bears to the total acreage in the pooled area.

If lessor owns the surface over any part of the leased premises, then lessor reserves the right to take 200,000 cubic feet of gas per annum for domestic use on said land; or, if lessor does not own any part of said surface, Lessee may, at his option and free of any charge from lessor, allow the parties owning said surface to use said 200,000 cubic feet of gas per annum for domestic purposes in one dwelling house only on said land. Said gas shall be taken and used wholly at user's own risk free of charge in safe and proper pipes and appliances, and said domestic gas user shall furnish and install, at their expense, the necessary regulating equipment and pipeline for the safe use of same. Lessee shall provide a connection for said pipeline at a producing gas well on said leased premises, or, at Lessee's option, at a point on Lessee's pipeline leading from said well. All gas used in excess of the above stated amount in any one calendar year shall be paid for by the user of same at a fair domestic rate. All gas so taken and used shall be subject to the use, operation and right of abandonment of the well and pipeline by Lessee, and Lessee shall not be held liable for any accident or damage caused by the use of such gas, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the hereinabove described tract or parcel of land; and it is agreed that the leased premises may be fully and freely used by Lessors for farming purposes, except such parts as are used by Lessee in operating hereunder.

Lessee covenants and agrees to pay to the Lessor, his proportionate share of the rental of Five and 00/100 Dollars per acre per year (\$) Dollars,

in advance, beginning 60 days after the receipt of 100% interest, but not after the date an oil or gas well is drilled upon the leased premises. Any rental paid for time beyond that date shall be credited upon the first royalty due, and all rentals shall cease after the surrender of this lease as hereinafter provided for. All payments by Lessee hereinafter shall be made by check payable and mailed as follows:

Leon F. Wilson S.S. No. 234-09-6026 700 Stealey Avenue Clarksburg, WV 26301

It is agreed that Lessee is to have the privilege of using sufficient water and gas from said premises to run all machinery necessary for drilling and operating, and all rights of way necessary to develop the premises or remove equipment, etc., and at any time during or after expiration of this lease to remove all machinery, casing, tubing, fixtures and equipment placed on said premises; and further, upon the payment of \$1.00 by Lessee, his heirs, successors or assigns to Lessors, their heirs, successors or assigns, said Lessee, his heirs, successors or assigns shall have the right to surrender this lease for cancellation, after which all payments and liabilities, thereafter to accrue under and by virtue of its terms shall cease and terminate, and this lease shall become absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the post office of a check, payable as above provided, for said last mentioned sum and all amounts then due hereunder by Lessee, shall be a full surrender and termination of this lease.

All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

In Witness Whereof, the parties to this agreement have hereunto set their hands and seals the day and year first, above written.

Witness:

Leon F. Wilson (Seal)
Leon F. Wilson
Thelma Wilson (Seal)
Thelma Wilson

_____ (Seal)

STATE OF West Virginia
COUNTY OF HARRISON to wit:
I, SAMUEL J. CANN a notary public of the said (state) West Virginia do certify
that Leon F. Wilson and Thelma Wilson, his wife

whose name S are signed to the writing above bearing date 23rd day of August, 1984.
have this day acknowledged the same before me in my said county.
Given under my hand this 23rd day of August, 1984
My commission expires 1-23-91

Samuel J. Cann
Notary Public

This instrument was presented to the Clerk of the County
Clerk of Harrison County, West Virginia, on 10-11-84
and the same is admitted to record.
Frank J. Maxwell Clerk
Harrison County Commission

STATE OF _____
COUNTY OF _____ to wit:
I, _____ a notary public of the said (state) _____ do certify
that _____

RECORDED
OCT 11 12 07 PM '84
CLERK'S OFFICE
HARRISON COUNTY

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
have this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

STATE OF 07 * * *
COUNTY OF _____ to wit:
I, _____ a notary public of the said (state) _____ do certify
that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
have this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____

RECORDED
1142
572

STATE OF _____
COUNTY OF _____ to wit:
I, _____ a notary public of the said (state) _____ do certify
that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
have this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

Oil and Gas Lease

THIS AGREEMENT, made and entered into this 24th day of April, 19 84
 by and between Frank L. Ferrari and Nancy Ferrari, his wife

hereinafter called Lessors, whether one or more, and CHESTERFIELD ENERGY CORPORATION, Suite 320, Professional Building, South Third Street, Clarksburg, West Virginia 26301, hereinafter called Lessee.

WITNESSETH, that Lessors, for and in consideration of the sum of One Dollar (\$1.00) to them in hand paid by Lessee, the receipt of which is hereby acknowledged, and of covenants and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let unto Lessee, for the exclusive possession and use of himself, his heirs, successors or assigns, for the purpose of exploring and operating for, producing and marketing oil and gas, natural gasoline, casing head gas, condensate, related hydrocarbons, and all other related products, including the building of roads, laying pipelines, installation of meters and installing equipment thereon to take care of such products, all that certain tract or parcel

of land situate in Clay District, Harrison County, West Virginia, on the waters of Mudlick Run, and bounded substantially by lands now or formerly owned as follows:

North Clay Development Co. (Henry L. Janes) East Clay Development Co. (G. W. Stewart)

South Seese West Route 12/4 and McIntyre

containing forty-four (44) acres more or less, excepting and reserving, however, therefrom all land within two hundred feet of the residence buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for a term of 18 months ~~years~~ from the date 100% interest ~~is acquired~~ and as long thereafter as operations are conducted on said land by Lessee in search for or production of oil, natural gas or related products. "Operations" as used herein, shall be deemed to be commenced when the first material or equipment is placed on the leased premises, or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations.

In consideration of the Premises, Lessee covenants and agrees: 1st - to deliver to the credit of Lessors, their heirs, successors, or assigns, free of cost, a royalty equaling their proportionate share of one-eighth (1/8) part of all oil produced and saved from the leased premises; 2nd - to pay their proportionate share of one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises; said gas to be measured by meters and said payments to be made by party of second part, by check, mailed to last reported address, to the party of the first part, their heirs or assigns, and payable monthly within ten days of the receipt of said money from the sale of said products; 3rd - to pay "shut-in" royalty, on each date that royalty otherwise would be due as hereinabove provided, based on \$300 per well per year, for each well producing gas only when the gas from such well is not sold, marketed or used off the premises for thirty (30) days or more beyond the designated pay period, and upon such payment it will be considered that gas is being produced in paying quantities.

Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessors in title or otherwise, and any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

Lessee shall have the right to pool or unitize the leased acreage, or any part or parts thereof, with other tracts so as to form a drilling unit or pool not to exceed ~~100 acres for formations shallower than 6000 feet and 640 acres for formations deeper than 6000 feet~~ FFNF for all purposes except royalty and free gas, shall be deemed to have occurred upon the demised premises. Lessor shall receive as royalties for minerals produced and marketed from the pooled area an amount equal to the proportion that Lessor's acreage placed in the pooled area bears to the total acreage in the pooled area.

If Lessor owns the surface over any part of the leased premises, then Lessor reserves the right to take 200,000 cubic feet of gas per annum for domestic use on said land; or, if Lessor does not own any part of said surface, Lessee may, at his option and free of any charge from Lessor, allow the parties owning said surface to use said 200,000 cubic feet of gas per annum for domestic purposes in one dwelling house only on said land. Said gas shall be taken and used wholly at user's own risk free of charge in safe and proper pipes and appliances, and said domestic gas user shall furnish and install, at their expense, the necessary regulating equipment and pipeline for the safe use of same. Lessee shall provide a connection for said pipeline at a producing gas well on said leased premises, or, at Lessee's option, at a point on Lessee's pipeline leading from said well. All gas used in excess of the above stated amount in any one calendar year shall be paid for by the user of same at a fair domestic rate. All gas so taken and used shall be subject to the use, operation and right of abandonment of the well and pipeline by Lessee, and Lessee shall not be held liable for any accident or damage caused by the use of such gas, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the hereinabove described tract or parcel of land; and it is agreed that the leased premises may be fully and freely used by Lessors for farming purposes, except such parts as are used by Lessee in operating hereunder.

Lessee covenants and agrees to pay to the Lessor, his proportionate share of the rental in the amount of

Five and 00/100 Dollars per acre per year (\$ 5.00) Dollars, FROM ABOVE DATE FLFNF

in advance, beginning 60 days ~~after the receipt of 100% interest~~, but not after the date an oil or gas well is drilled upon the leased premises. ~~Any rental paid for time beyond that date shall be credited upon the first royalty due, and all rentals shall cease after the surrender of this lease as hereinafter provided for.~~ All payments by Lessee hereunder shall be made by check payable and mailed as follows:

Frank L. Ferrari

S.S. No.

LESSEE SHALL NOT BE RESPONSIBLE FOR THE LACK OF PAYMENT OF ANY RENTALS, ROYALTIES, OR SHUT-IN ROYALTIES PROVIDED BY THE TERMS OF THIS LEASE TO THE LESSOR UNTIL THE LESSEE IS NOTIFIED BY REGISTERED MAIL BY THE LESSOR, OF ANY DEFAULT OF PAYMENT. LESSEE SHALL HAVE 60 DAYS FROM THE DATE OF NOTIFICATION, TO PAY LESSOR ALL MONIES DUE. THIS LEASE SHALL REMAIN IN FULL FORCE UPON PAYMENT IN FULL WITHIN THE SAID 60 DAY PERIOD. IF THE 60 DAY PERIOD EXPIRES WITHOUT PAYMENT IN FULL, THIS LEASE SHALL BECOME NULL AND VOID. FLFNF

It is agreed that Lessee is to have the privilege of using sufficient water and gas from said premises to run all machinery necessary for drilling and operating, and all rights of way necessary to develop the premises or remove equipment, etc., and at any time during or after expiration of this lease to remove all machinery, casing, tubing, fixtures and equipment placed on said premises; and further, upon the payment of \$1.00 by Lessee, his heirs, successors or assigns to Lessors, their heirs, successors or assigns, said Lessee, his heirs, successors or assigns shall have the right to surrender this lease for cancellation, after which all payments and liabilities, thereafter to accrue under and by virtue of its terms shall cease and terminate, and this lease shall become absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the post office of a check, payable as above provided, for said last mentioned sum and all amounts then due hereunder by Lessee, shall be a full surrender and termination of this lease.

All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

In Witness Whereof, the parties to this agreement have hereunto set their hands and seals the day and year first, above written.

Witness:

Don Grisso
Anna Powell

Frank L. Ferrari (Seal)
Nancy Ferrari (Seal)

RECORDED
OCT 13 2 56 PM '84
COUNTY CLERK'S OFFICE
HARRISON COUNTY
WEST VIRGINIA

STATE OF _____
COUNTY OF _____ to wit: _____ (state)
I, Frank L. Ferrari a notary public of the said (county) of _____ do certify
that Frank L. Ferrari and Nancy Ferrari, his wife

whose name S. ARE signed to the writing above bearing date 2-13 day of April, 1984
has VE this day acknowledged the same before me in my said county.
Given under my hand this 2-13 day of April, 1984
My commission expires _____

Notary Public
This instrument was presented to the Clerk of the County Commission of Harrison County, West Virginia, on 8-13-84 and the same is admitted to record.
Teste: Frank J. Maxwell Clerk
Harrison County Commission

STATE OF _____
COUNTY OF _____ to wit: _____ (state)
I, _____ a notary public of the said (county) of _____ do certify
that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____
has _____ this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____

RECEIVED
Notary Public

OCT 23 1984

OIL & GAS DIV.
DEPT. OF MINES

007

**

STATE OF _____
COUNTY OF _____ to wit: _____ (state)
I, _____ a notary public of the said (county) of _____ do certify
that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____
has _____ this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

STATE OF _____
COUNTY OF _____ to wit: _____ (state)
I, _____ a notary public of the said (county) of _____ do certify
that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____
has _____ this day acknowledged the same before me in my said county.
Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

mcw

Oil and Gas Lease

THIS AGREEMENT, made and entered into this Third day of April, 19 84
by and between Edmond T. Miller and Nancy C. Miller, his wife

hereinafter called Lessors, whether one or more, and CHESTERFIELD ENERGY CORPORATION, Suite 320, Professional Building, South Third Street, Clarksburg, West Virginia 26301, hereinafter called Lessee.

WITNESSETH, that Lessors, for and in consideration of the sum of One Dollar (\$1.00) to them in hand paid by Lessee, the receipt of which is hereby acknowledged, and of covenants and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let unto Lessee, for the exclusive possession and use of himself, his heirs, successors or assigns, for the purpose of exploring and operating for, producing and marketing oil and gas, natural gasoline, casing head gas, condensate, related hydrocarbons, and all other related products, including the building of roads, laying pipelines, installation of meters and installing equipment thereon to take care of such products, all that certain tract or parcel

of land situate in Clay District, Harrison County, West Virginia, on the waters of Mudlick Run, and bounded substantially by lands now or formerly owned as follows:

North Clay Development Co. (Henry L. Janes) East Clay Development Co. (G. W. Stewart)
South Seese West Route 12/4 and McIntyre

containing forty-four (44) acres more or less, excepting and reserving, however, therefrom all land within two hundred feet of the residence buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for a term of 18 months ~~xxxxx~~ from the date 100% interest is acquired and as long thereafter as operations are conducted on said land by Lessee in search for or production of oil, natural gas or related products. "Operations" as used herein, shall be deemed to be commenced when the first material or equipment is placed on the leased premises, or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations.

In consideration of the Premises, Lessee covenants and agrees: 1st - to deliver to the credit of Lessors, their heirs, successors, or assigns, free of cost, a royalty equaling their proportionate share of one-eighth (1/8) part of all oil produced and saved from the leased premises; 2nd - to pay their proportionate share of one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises; said gas to be measured by meters and said payments to be made by party of second part, by check, mailed to last reported address, to the party of the first part, their heirs or assigns, and payable monthly within ten days of the receipt of said money from the sale of said products; 3rd - to pay "shut-in" royalty, on each date that royalty otherwise would be due as hereinabove provided, based on \$300 per well per year, for each well producing gas only when the gas from such well is not sold, marketed or used off the premises for thirty (30) days or more beyond the designated pay period, and upon such payment it will be considered that gas is being produced in paying quantities.

Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessors in title or otherwise, and any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

Lessee shall have the right to pool or unitize the leased acreage, or any part or parts thereof, with other tracts so as to form a drilling unit or pool not to exceed ~~100 acres for formations shallower than 6000 feet and~~ 640 acres for formations deeper than 6000 feet. Operations upon the pooled acreage, for all purposes except royalty and free gas, shall be deemed to have occurred upon the demised premises. Lessor shall receive as royalties for minerals produced and marketed from the pooled area an amount equal to the proportion that Lessor's acreage placed in the pooled area bears to the total acreage in the pooled area.

If Lessor owns the surface over any part of the leased premises, then Lessor reserves the right to take 200,000 cubic feet of gas per annum for domestic use on said land; or, if Lessor does not own any part of said surface, Lessee may, at his option and free of any charge from Lessor, allow the parties owning said surface to use said 200,000 cubic feet of gas per annum for domestic purposes in one dwelling house only on said land. Said gas shall be taken and used wholly at user's own risk free of charge in safe and proper pipes and appliances, and said domestic gas user shall furnish and install, at their expense, the necessary regulating equipment and pipeline for the safe use of same. Lessee shall provide a connection for said pipeline at a producing gas well on said leased premises, or, at Lessee's option, at a point on Lessee's pipeline leading from said well. All gas used in excess of the above stated amount in any one calendar year shall be paid for by the user of same at a fair domestic rate. All gas so taken and used shall be subject to the use, operation and right of abandonment of the well and pipeline by Lessee, and Lessee shall not be held liable for any accident or damage caused by the use of such gas, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the hereinabove described tract or parcel of land; and it is agreed that the leased premises may be fully and freely used by Lessors for farming purposes, except such parts as are used by Lessee in operating hereunder.

Lessee covenants and agrees to pay to the Lessor, his proportionate share of the rental in the amount of Five and 00/100 per acre per year (\$ 5.00) Dollars, _____

in advance, beginning 60 days after the receipt of 100% interest, but not after the date an oil or gas well is drilled upon the leased premises. Any rental paid for time beyond that date shall be credited upon the first royalty due, and all rentals shall cease after the surrender of this lease as hereinafter provided for. All payments by Lessee hereunder shall be made by check payable and mailed as follows:

Edmond T. Miller S.S. No. 422-40-4103
Box 158
Peiham, Alabama 35124

It is agreed that Lessee is to have the privilege of using sufficient water and gas from said premises to run all machinery necessary for drilling and operating, and all rights of way necessary to develop the premises or remove equipment, etc., and at any time during or after expiration of this lease to remove all machinery, casing, tubing, fixtures and equipment placed on said premises; and further, upon the payment of \$1.00 by Lessee, his heirs, successors or assigns to Lessors, their heirs, successors or assigns, said Lessee, his heirs, successors or assigns shall have the right to surrender this lease for cancellation, after which all payments and liabilities, thereafter to accrue under and by virtue of its terms shall cease and terminate, and this lease shall become absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the post office of a check, payable as above provided, for said last mentioned sum and all amounts then due hereunder by Lessee, shall be a full surrender and termination of this lease.

All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

In Witness Whereof, the parties to this agreement have hereunto set their hands and seals the day and year first, above written.

Witness:

Edmond T. Miller (Seal)
Edmond T. Miller
Nancy C. Miller (Seal)
Nancy C. Miller (Seal)

_____ (Seal)
_____ (Seal)

APR 11 2 10 PM '84
CLERK'S OFFICE
HARRISON COUNTY
RECORDED

STATE OF Alabama
COUNTY OF Shelby to wit:

I, Margaret F. Jones a notary public of the said (state) Alabama certify that Edmond T. Miller and Nancy C. Miller, his wife 2.00

whose name s are signed to the writing above bearing date 3rd day of April, 1984.
has ve this day acknowledged the same before me in my said county.

Given under my hand this 3rd day of April, 1984
My commission expires February 25, 1986
Margaret F. Jones
Notary Public

STATE OF _____
COUNTY OF _____ to wit:

I, _____ a notary public of the said (state) _____ do certify that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
has _____ this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

STATE OF _____
COUNTY OF _____ to wit:

I, _____ a notary public of the said (state) _____ do certify that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
has _____ this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

STATE OF _____
COUNTY OF _____ to wit:

I, _____ a notary public of the said (state) _____ do certify that _____

whose name _____ signed to the writing above bearing date _____ day of _____, 19____.
has _____ this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19____
My commission expires _____
Notary Public

This instrument was presented to the Clerk of the County Commission of Harrison County, West Virginia, on 4-11-84 and the same is admitted to record.
[Signature] Clerk
Harrison County Commission

BOOK NO. 1136
RECORDED
APR 11 1984

RETURN TO:
CHESTERFIELD ENERGY CORPORATION

CLARKSBURG, WEST VIRGINIA

Oil and Gas Lease

THIS AGREEMENT, made and entered into this 12th day of April, 19 84
 by and between W. G. Tetrick, III, and Sandra C. Tetrick, his wife; James M. Sutton and Deborah L. Sutton, his wife; John Y. Sutton and Carolyn B. Sutton, his wife; and Amy T. Buckley,
 a widow

hereinafter called Lessors, whether one or more, and CHESTERFIELD ENERGY CORPORATION, Suite 320, Professional Building, South Third Street, Clarksburg, West Virginia 26301, hereinafter called Lessee.

WITNESSETH, that Lessors, for and in consideration of the sum of One Dollar (\$1.00) to them in hand paid by Lessee, the receipt of which is hereby acknowledged, and of covenants and agreements hereinafter contained on the part of Lessee to be paid, kept and performed, have granted, demised, leased and let and by these presents do grant, demise, lease and let unto Lessee, for the exclusive possession and use of himself, his heirs, successors or assigns, for the purpose of exploring and operating for, producing and marketing oil and gas, natural gasoline, casing head gas, condensate, related hydrocarbons, and all other related products, including the building of roads, laying pipelines, installation of meters and installing equipment thereon to take care of such products, _____ all that certain tract or par-

cel of land situate in Clay District District, Harrison County, West Virginia, on the waters of Mudlick Run, and bounded substantially by lands now or formerly owned as follows:

North Clay Development Co. (Henry L. Janes) East Clay Development (G. W. Stewart)
 South Seese West Route 12/4 and McIntyre

containing forty -four (44) acres more or less, excepting and reserving, however, therefrom all land within two hundred feet of the residence buildings now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for a term of 18 months ~~xxxx~~ from the date of this lease ~~100% interest~~ ~~is~~ ~~acquired~~ and as long thereafter as operations are conducted on said land by Lessee in search for or production of oil, natural gas or related products. "Operations" as used herein, shall be deemed to be commenced when the first material or equipment is placed on the leased premises, or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations.

In consideration of the Premises, Lessee covenants and agrees: 1st - to deliver to the credit of Lessors, their heirs, successors, or assigns, free of cost, a royalty equaling their proportionate share of one-eighth (1/8) part of all oil produced and saved from the leased premises; 2nd - to pay their proportionate share of one-eighth (1/8) of the value at the well of the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises; said gas to be measured by meters and said payments to be made by party of second part, by check, mailed to last reported address, to the party of the first part, their heirs or assigns, and payable monthly within ten days of the receipt of said money from the sale of said products; 3rd - to pay "shut-in" royalty, on each date that royalty otherwise would be due as hereinabove provided, based on \$300 per well per year, for each well producing gas only when the gas from such well is not sold, marketed or used off the premises for thirty (30) days or more beyond the designated pay period, and upon such payment it will be considered that gas is being produced in paying quantities.

Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by Lessors or their predecessors in title or otherwise, and any such outstanding royalty or interest shall first be deducted from the royalties and rentals above provided to be paid or delivered.

Lessee shall have the right to pool or unitize the leased acreage, or any part or parts thereof, with other tracts so as to form a drilling unit or pool not to exceed ~~100 acres for formations shallower than 6000 feet and 640 acres for formations deeper than 6000 feet.~~ Operations upon the pooled acreage, for all purposes except royalty and free gas, shall be deemed to have occurred upon the demised premises. Lessor shall receive as royalties for minerals produced and marketed from the pooled area an amount equal to the proportion that Lessor's acreage placed in the pooled area bears to the total acreage in the pooled area.

If Lessor owns the surface over any part of the leased premises, then Lessor reserves the right to take 200,000 cubic feet of gas per annum for domestic use on said land; ~~or, if Lessor does not own any part of said surface, Lessee may, at his option and free of any charge from Lessor, allow the parties owning said surface to use said 200,000 cubic feet of gas per annum for domestic purposes in one dwelling house only on said land.~~ Said gas shall be taken and used wholly at user's own risk free of charge in safe and proper pipes and appliances, and said domestic gas user shall furnish and install, at their expense, the necessary regulating equipment and pipeline for the safe use of same. Lessee shall provide a connection for said pipeline at a producing gas well on said leased premises, or, at Lessee's option, at a point on Lessee's pipeline leading from said well. All gas used in excess of the above stated amount in any one calendar year shall be paid for by the user of same at a fair domestic rate. All gas so taken and used shall be subject to the use, operation and right of abandonment of the well and pipeline by Lessee, and Lessee shall not be held liable for any accident or damage caused by the use of such gas, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

Lessee covenants and agrees to locate all wells so as to interfere as little as possible with the cultivated portion of the hereinabove described tract or parcel of land; and it is agreed that the leased premises may be fully and freely used by Lessors for farming purposes, except such parts as are used by Lessee in operating hereunder.

Lessee covenants and agrees to pay to the Lessor, his proportionate share of the rental in the amount of Five and 00/100 Dollars per acre per year (\$ _____) Dollars, _____

in advance, beginning 60 days after the receipt of 100% interest, but not after the date an oil or gas well is drilled upon the leased premises. Any rental paid for time beyond that date shall be credited upon the first royalty due, and all rentals shall cease after the surrender of this lease as hereinafter provided for. All payments by Lessee hereunder shall be made by check payable and mailed as follows:

W. G. Tetrick, III, Agent S.S. No. _____
P. U. Box 267
Clarksburg, West Virginia 26301

It is agreed that Lessee is to have the privilege of using sufficient water and gas from said premises to run all machinery necessary for drilling and operating, and all rights of way necessary to develop the premises or remove equipment, etc., and at any time during or after expiration of this lease to remove all machinery, casing, tubing, fixtures and equipment placed on said premises; and further, upon the payment of \$1.00 by Lessee, his heirs, successors or assigns to Lessors, their heirs, successors or assigns, said Lessee, his heirs, successors or assigns shall have the right to surrender this lease for cancellation, after which all payments and liabilities, thereafter to accrue under and by virtue of its terms shall cease and terminate, and this lease shall become absolutely null and void.

Lessors agree that the recordation of a deed of surrender in the proper county, and the mailing in the post office of a check, payable as above provided, for said last mentioned sum and all amounts then due hereunder by Lessee, shall be a full surrender and termination of this lease.

All provisions of this lease shall be binding upon the heirs, executors, administrators, successors and assigns of the parties hereto.

In Witness Whereof, the parties to this agreement have hereunto set their hands and seals the day and year first, above written.

Witness:

RECORDED
AUG 3 10 23 AM '84
COUNTY CLERK'S OFFICE
HARRISON COUNTY
WEST VIRGINIA

W. G. Tetrick, III (Seal)
W. G. Tetrick, III (Seal)
Sandra L. Tetrick (Seal)
James M. Sutton (Seal)
Deborah L. Sutton (Seal)
John Y. Sutton (Seal)
Carolyn B. Sutton (Seal)
Amy T. Buckley (SEAL)

STATE OF West Virginia,
COUNTY OF Harrison, to-wit:

I, _____ a notary public of the said (state) of Harrison, do certify that W. G. Tetrick, III and Sandra C. Tetrick, his wife; James M. Sutton and Deborah L. Sutton, his wife; John Y. Sutton and Carolyn B. Sutton, his wife; and Amy T. Buckley, unmarried, whose names are signed to the writing above bearing date 12th day of April, 19 84.
ha VE this day acknowledged the same before me in my said county.

Given under my hand this 29th day of April, 19 84
My commission expires October 13, 1990

James M. Sutton
Notary Public

STATE OF _____
COUNTY OF _____ to-wit:

I, _____ a notary public of the said (state) of _____ do certify that James M. Sutton and Deborah L. Sutton, his wife

whose names are signed to the writing above bearing date _____ day of _____, 19 84.
ha VE this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19 84
My commission expires _____

Notary Public

This instrument was presented to the Clerk of the County Commission of Harrison County, West Virginia, on 8-3-84 and the same is admitted to record.

Teste: Frank J. Maxwell Clerk
Harrison County Commission

STATE OF _____
COUNTY OF _____ to-wit:

I, _____ a notary public of the said (state) of _____ do certify that John Y. Sutton and Carolyn B. Sutton, his wife

whose names are signed to the writing above bearing date _____ day of _____, 19 84.
ha VE this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19 84
My commission expires _____

Notary Public

STATE OF _____
COUNTY OF _____ to-wit:

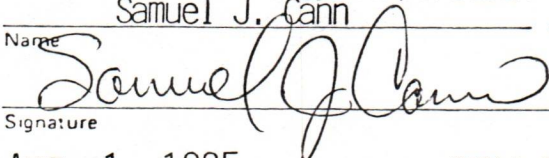
I, _____ a notary public of the said (state) of _____ do certify that Amy T. Buckley, a widow

whose name is signed to the writing above bearing date _____ day of _____, 19 84.
ha S this day acknowledged the same before me in my said county.

Given under my hand this _____ day of _____, 19 84
My commission expires _____

Notary Public

RECORDED
AUG 3 1984
BOOK NO. 1140
PAGE 451

1.0 API well number: (If not available, leave blank. 14 digits.)	47-033-3120															
2.0 Type of determination being sought: (Use the codes found on the front of this form!)	103 Section of NGPA	- Category Code														
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4110 feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Chesterfield Energy Corporation Name 320 Professional Building Street Clarksburg City		WV State	26301 Zip Code												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Bubby #1 Well Field Name Harrison County County		WV State													
(b) For OCS wells:	Not Applicable															
(c) Name and identification number of this well: (35 letters and digits maximum.)	Bubby #1 Well		47-033-3120													
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Not Applicable															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Eastern Pipeline Corp. Name		044091 Buyer Code													
(b) Date of the contract:	<table style="margin: auto; border: none;"> <tr> <td style="border: none;"> </td><td style="border: none;"> </td><td style="border: none;"> </td><td style="border: none;"> </td><td style="border: none;"> </td><td style="border: none;"> </td> </tr> <tr> <td style="border: none;">Mo.</td><td style="border: none;">Day</td><td style="border: none;">Yr.</td><td colspan="3" style="border: none;">OCS Lease Number</td> </tr> </table>										Mo.	Day	Yr.	OCS Lease Number		
Mo.	Day	Yr.	OCS Lease Number													
(c) Estimated annual production:	MMcf.															
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)												
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	- . - - -	- . - - -	- . - - -	- . - - -												
9.0 Person responsible for this application:	Chesterfield Energy Corporation															
Agency Use Only	Samuel J. Cann Name		V.P. Land & Contracts Title													
Date Received by Juris. Agency	 Signature															
Date Received by FERC	Aug. 1, 1985 Date Application is Completed		(304) 623-5467 Phone Number													

AUG 30 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 8/1, 19 85

9550

Applicant's Name: Chesterfield Energy Corporation

Address: 320 Professional Building

Clarksburg, WV 26301

Gas Purchaser Contract No. Being Negotiated

Date of Contract Being Negotiated
(Month, day and year)

First Purchaser: Eastern Pipeline Corp.

P621

Address: P. O. Box N

(Street or P.O. Box)
Glenville, WV 26351

(City) (State) (Zip Code)

FERC Seller Code 003449

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

950802 -1030-033 - 3120

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Samuel J. Cann

Address: 320 Professional Building

Clarksburg, WV 26301

FERC Buyer Code 044091

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Samuel J. Cann (Print) Vice President Land & Contracts (Title)

Signature: [Handwritten Signature]

Address: 320 Professional Building
(Street or P.O. Box)
Clarksburg, WV 26301
(City) (State) (Zip Code)

Telephone: (304) 623-5467
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildu

- 103 New Onshore Production Well
- 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

RECEIVED
AUG - 2 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date August 1, 1985

Operator's Well No Bubby #1 Well

APD Well No 47 - 033 - 3120
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MGPA Section 103

DESIGNATED AGENT Samuel J. Cann
ADDRESS 320 Professional Building
Clarksburg, WV 26301

WELL OPERATOR Chesterfield Energy Corp.
ADDRESS 320 Professional Building
Clarksburg, WV 26301

LOCATION: Elevation 1183.31'
Watershed Mudlick Run
Dist Clay County Harrison Quad Shinnston

GAS PURCHASER Eastern Pipeline Corp.
ADDRESS P. O. Box N
Glenville, WV 26351

Gas Purchase Contract No Being Negotiated
Meter Chart Code _____
Date of Contract Being Negotiated

Date surface drilling was begun: July 23, 1985

Indicate the bottom hole pressure of the well and explain how this was calculated

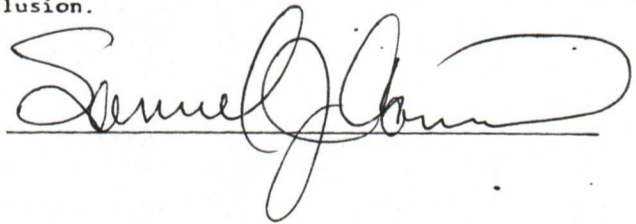
$$P_2 = \frac{P_1 T_2}{T_1} = \frac{(\text{Surface Pressure})(\text{Bottom Hole Pressure})}{(\text{Surface Temperature})} = \text{B.H.P.}$$

$$\text{BHP} = P_1 + P_1 (e^X - 1)$$

$P_1 = 650$ $X = \frac{G}{53.34T}$
 $G = .68$ $\text{BHP} = 696.61'$
 $T = 568$

AFFIDAVIT

I, Samuel J. Cann, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 14, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 14, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.



STATE OF WEST VIRGINIA,

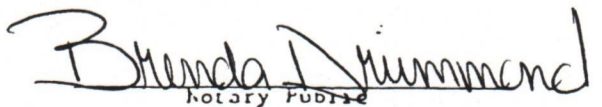
COUNTY OF Harrison TO WIT:

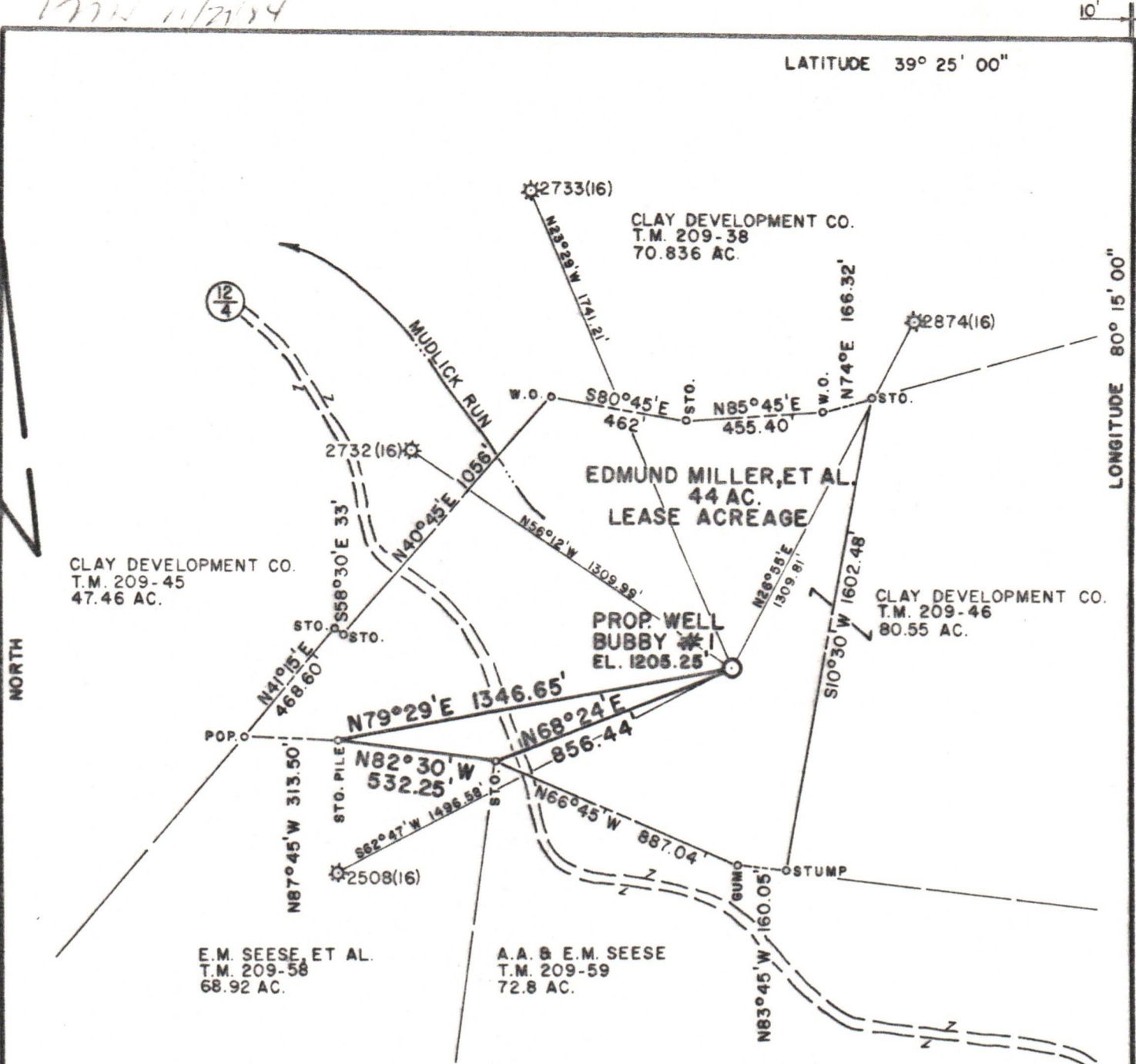
I, Brenda Drummond, a Notary Public in and for the state and county aforesaid, do certify that Samuel J. Cann whose name is signed to the writing above, bearing date the 1 day of August, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 1 day of August, 1985.

My term of office expires on the 14th day of June, 1994.

[NOTARIAL SEAL]

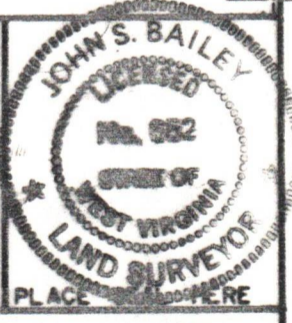

Notary Public



MAGNETIC REFERENCE TIE LINES
 PROPOSED WELL TO 8" SYCAMORE N04°43'E 207.59'
 PROPOSED WELL TO 12" LOCUST N80°54'W 282.17'

FILE NO. MSES84-531
 DRAWN BY PJD
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RT. 12/4 & Δ RTS. II & 67-2700' NW OF LOC. - EL. 1052'

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) John S. Bailey
 R. P. E. _____ L. L. S. 652



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



Department of Mines
 Oil & Gas Division

DATE OCTOBER 17, 1984
 OPERATOR'S WELL NO. BUBBY #1
 API WELL NO. 47-033-3120
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1205.25' WATER SHED MUDLICK RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE SHINNSTON 7.5' 1960 (1977)
 SURFACE OWNER CLAY DEVELOPMENT CO. ACREAGE 80.55
 OIL & GAS ROYALTY OWNER EDMUND MILLER, ET AL. LEASE ACREAGE 44
 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 SPEECHLEY ESTIMATED DEPTH 3450'
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STANLEY N. PICKENS
 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, WV 26301 ADDRESS 319-320 PROFESSIONAL BLDG. CLARKSBURG, WV 26301