



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 15 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE December 12, 1980

Surface Owner J. H. Roberts
Address St. Marys, W. Va.
Mineral Owner Evert McCullough
Address St, Marys, W. Va.
Coal Owner N/A
Address N/A
Coal Operator N/A
Address N/A

Company Ferrell Prior
Address P.O. Box 1486, Parkersburg, W. Va
Farm McCullough Acres 59.25
Location (waters) Cow Creek of Ohio River
Well No. Three (3) Elevation 755
District Grant County Pleasants
Quadrangle Willow Island 7.5

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 8-19-81.

INSPECTOR
TO BE NOTIFIED Phillip Tracy
ADDRESS Middlebourne, W. Va.
PHONE 758-4573

J. E. Huzzey
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 7th July 19 80 by Everett McCullough made to Santa Fe Drilling Corporation and recorded on the 28th day of July 1980, in Pleasants County, Book 157 Page 11

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator, or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Ferrell Prior
(Sign Name) Ferrell Prior
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

P.O. Box 1486
Street
Parkersburg,
City or Town
West Virginia 26101
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-073-1089

BLANKET BOND

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

PERMIT NUMBER

Date DECEMBER 4, 1980
Well No THREE (3)
API No 47 - 073 - 1089

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name FERRELL PRIOR Designated Agent SAME
Address PO. BOX 1486 PARKERSBURG WV Address _____
Telephone 304-485-7419 Telephone _____
Landowner J.H. ROBERTS Soil Cons. District _____

Revegetation to be carried out by PRIOR OIL COMPANY (Agent)
This plan has been reviewed by Upper Ohio SCD All corrections
and additions become a part of this plan. 12/5/80 Kenneth F. Mason
(Date) (SCD Agent)

Access Road _____ Location _____
Structure OPEN DRAIN (A) Structure _____
Spacing _____ Material _____
Page Ref. Manual 1:8 Page Ref. Manual 1:9
Structure CROSS DRAIN (B) Structure _____
Spacing _____ Material _____
Page Ref. Manual 1:4 Page Ref. Manual _____
Structure _____ (C) Structure _____
Spacing _____ Material _____
Page Ref. Manual _____ Page Ref. Manual _____

Structure DIVERSION (1)
Material _____
Page Ref. Manual 1:9
Structure _____
Material _____
Page Ref. Manual _____
Structure _____
Material _____
Page Ref. Manual _____

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OIL & GAS DIVISION
DEPT. OF MINES

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

Revegetation

Treatment Area I

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch HAY (2) Tons/Acre
Seed* CROWN VETCH 15 lbs/acre
TALL FESCUE 45 lbs/acre

Treatment Area II

Lime _____ Tons/Acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/Acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

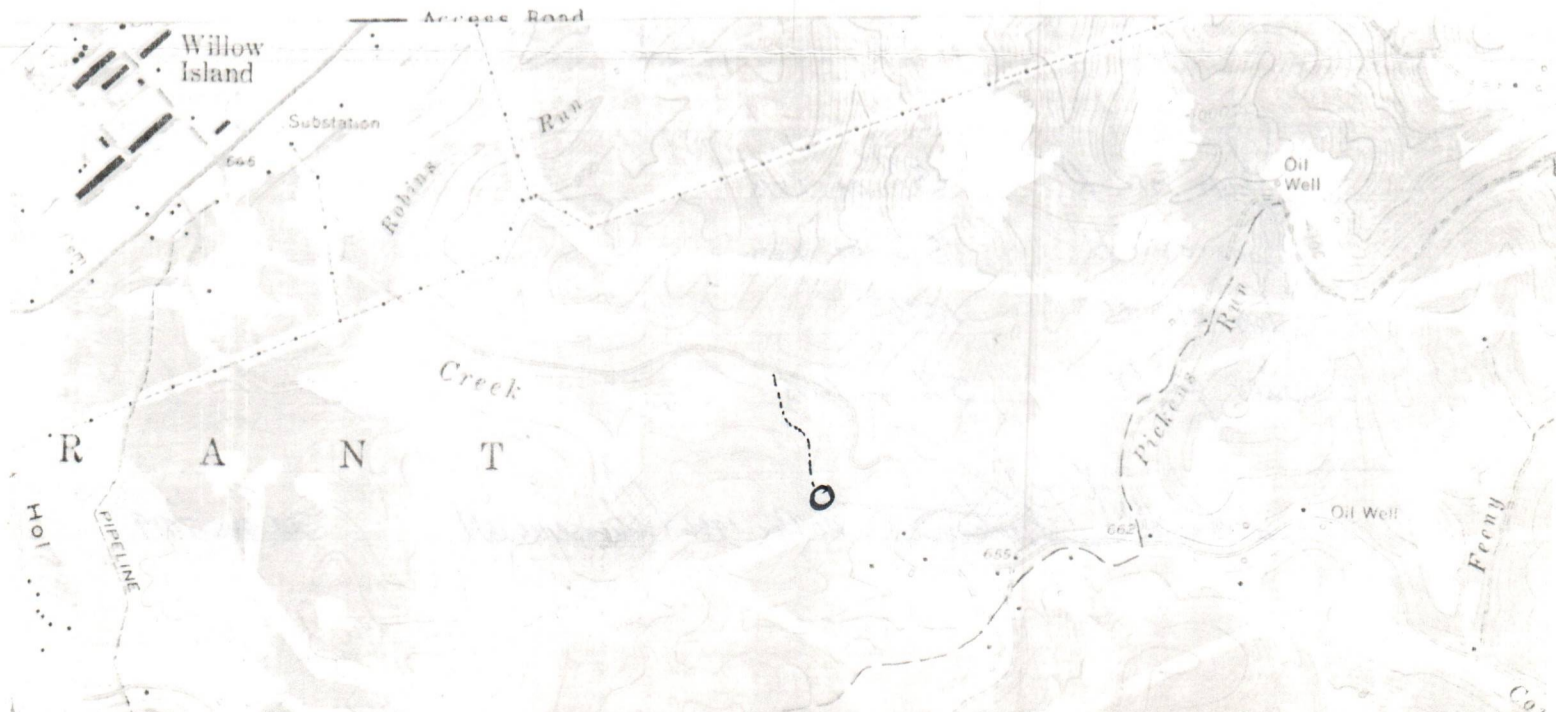
*Inoculate all legumes such as vetch, trefoil and clovers with the proper
bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. (Sheet number) WILLOW ISLAND 7.5

Legend:

⊕ Well Site

— Access Road

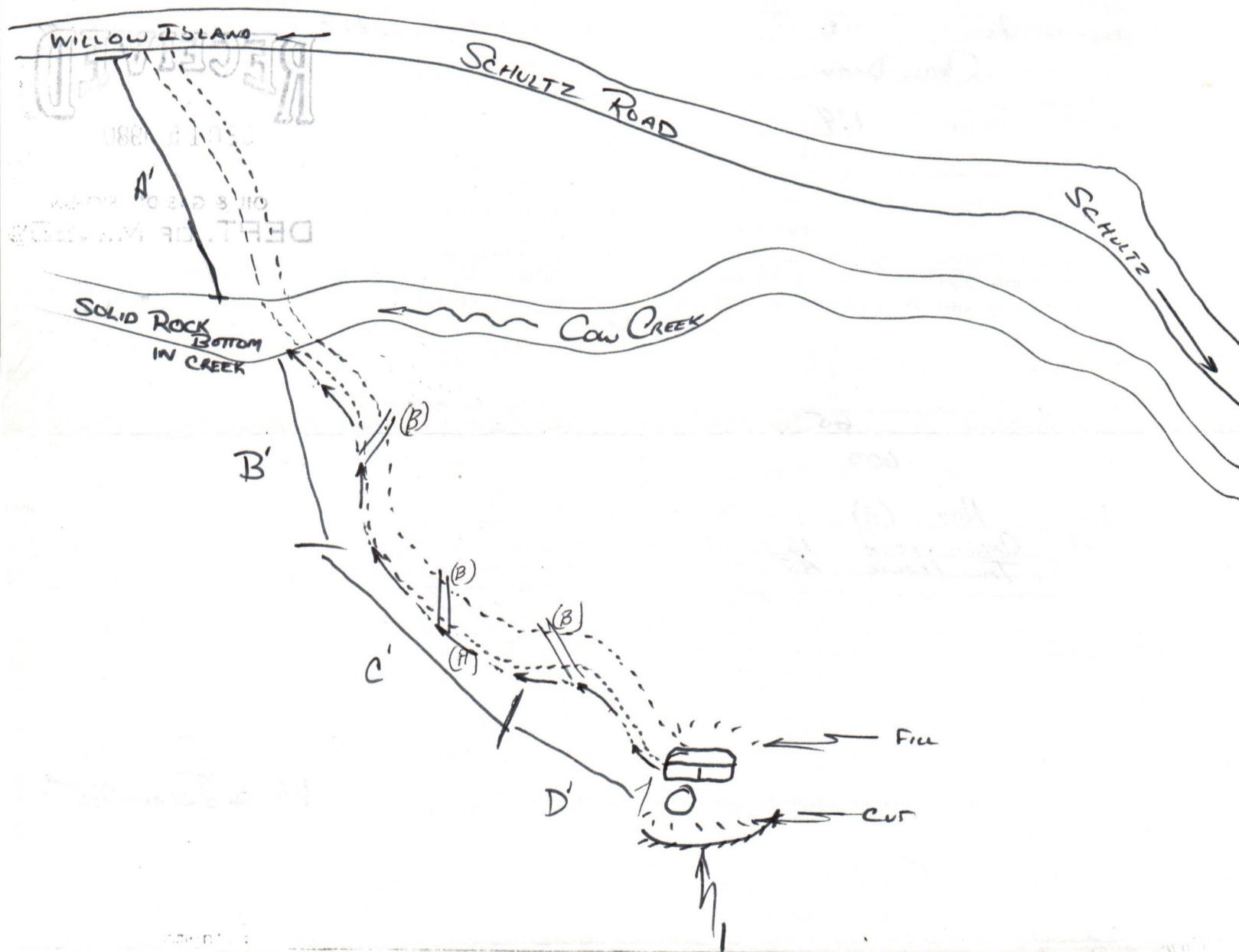


- Legend:
- Property Boundry
 - Road
 - Existing Fence
 - Planned Fence
 - Stream
 - Open Ditch
 - Spring
 - Well Spout
 - Building
 - Flare Pipe
 - Waterway

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

FINAL APPROVEMENT BY INSPECTOR

Inspector: _____



SLOPE OF A' 5% OR LESS
 SLOPE OF B' 5% OR LESS
 SLOPE OF C' 15%
 SLOPE OF D' 5% to 10%

Donald C. Johnson

P.O. Box 1466 PAKERSWEE, WY

304-465-7919
 Phone Number



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Willow Island 7.5

Permit No. 47-073-1089

Company <u>Ferrell Prior</u>	26101	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1486, Parkersburg, W. Va.</u>					
Farm <u>McCullough</u> Acres <u>59.25</u>					
Location (waters) <u>Cow Creek of Ohio River</u>					
Well No. <u>Three (3)</u> Elev. <u>755</u>		Size			
District <u>Grant</u> County <u>Pleasants</u>		20-16			
The surface of tract is owned in fee by <u>J. H. Roberts</u>		Cond.			
Address <u>St. Marys, W. Va.</u>		13-10"			
Mineral rights are owned by <u>Theodore and Linda McCullough</u> Address <u>Route 1, St. Marys, W. Va.</u>		9 5/8			
Drilling Commenced <u>1/26/81</u>		8 5/8	254	254	80 sks.
Drilling Completed <u>2/1/81</u>		7			
Initial open flow <u>Show</u> cu. ft. <u>Show</u> bbls.		5 1/2			
Final production <u>600 mcf</u> cu. ft. per day <u>30</u> bbls.		4 1/2	3604	3604	600 sks.
Well open <u>4</u> hrs. before test <u>1010</u> RP.		3			
Well treatment details:		2			
<u>E-J Hughes Nitrgoen Frac 4/15/1981</u>		Liners Used			

Attach copy of cementing record.

Coal was encountered at N/A Feet _____ Inches _____
Fresh water 60 Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun ; Berea Sand; Gordon Stray Sand Depth 748-768; 1252-1258; 1476-1518

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	15		
Shale			15	108		
Sand			108	156		
Shale			156	240		
Sand			240	276		
Shale			276	375		
Sand			375	424		
Shale			424	488		
Sand			488	522		
Shale			522	564		
Sand			564	588		
Shale			588	620		
Big Lime			620	748		
Big Injun			748	768	Oil	
Shale			768	1252		
Berea Sand			1252	1258	Oil	
Shale			1258	1476		
Gordon Stray Sand			1476	1518	Oil	
Shale			1518	1654		
Gordon Sand			1654	1688		
Shale			1688	2745		
Brown Shale			2745	3325		
Shale			3325	3498		

(over)

* Indicates Electric Log tops in the remarks section.

PLSAS 1089

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Marcellus Shale			3498	3524		
Shale			3524	3638		
Total Depth			3638			

Date _____ 19__

APPROVED

By *W. B. Thomas*
(Title)

Owner



RECEIVED

MAR 5 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 23, 1984

COMPANY Ferrell Prior
P. O. Box 1486
Parkersburg, West Virginia 26101

PERMIT NO 073-1089
FARM & WELL NO McCullough #3
DIST. & COUNTY Grant/Pleasants

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 R. A. Lowther
DATE Feb 29 1984

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

March 15, 1984

DATE



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

IN THE MATTER OF)
 PERMIT DENIAL AS)
 PROVIDED IN W. VA.)
 CODE 22-4-1(k) (i))

CAUSE NO. 39-D
 ORDER NO. 1

REPORT OF THE OFFICE

Pursuant to the powers of the administrator in denying permits, under 22-4-1(k) (i) the office has issued the following order:

FINDINGS OF FACT

The following violations are deemed substantial and remained unabated as of this date for Prior Oil Company :

47-073-1089	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)
47-073-1091	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)
47-073-1116	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)
47-073-1159	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)
47-073-1160	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)

See attached page

CONCLUSION OF LAW

The Office of Oil and Gas of the Department of Mines has authority to issue Orders to implement 22-4-et. seq. of the Code as outlined in 22-4-1g thru 22-4-1k of the Code.

ORDER

Wherefore, it is hereby Ordered that no permits be issued to the above named applicant until all the above violations are abated.

Entered in Charleston, West Virginia, this 29 day of July, 1983.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By: *T. Streit*
 Theodore M. Streit, Administrator

47-073-1305	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)
47-073-0986	Reclamation	6-21-83 (Abatement date)	6-29-83 (Failure to abate)

RECEIVED
JUN 23 1983

IV-27
11/23/81



OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: June 21 1983
Well No: 3
API NO: 47 - 073 1089
State County Permit

Oil and Gas Division NOTICE OF VIOLATION

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
Of "Gas" - Production / Storage / Deep / Shallow /

LOCATION: Elevation: 755 Watershed: Cow Creek
District: Grant County: Pleasant Quadrangle: Willow Island

WELL OPERATOR Ferrell prior DESIGNATED AGENT Ferrell prior
Address P.O. Box 1486 Address P.O. Box 1486
Parkersburg W. Va. 26101 Parkersburg W. Va. 26101

The above well is being posted this 21 day of June, 1983, for a violation of Code 22-4-12B and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Failure to Re Claim well site within 6 months after completion of Drilling

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until June 28, 1983, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Lowther
Oil and Gas Inspector

Address Middlebourne
W. Va. 26149

Telephone: 758-4764

CM

RECEIVED

FORM IV-30

JUL - 1 1983

Date: June 29, 1983

Operator's Well Number 3

API Well No. 47 - 073 - 1089
State County Permit

OIL & GAS DIVISION DEPT. OF MINES

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

ORDER FOR FAILURE TO ABATE VIOLATION

WELL TYPE: Oil / Gas / Liquid Injection _____ / Waste Disposal _____ /
If "Gas" - Production / Underground Storage _____ / Deep _____ / Shallow

LOCATION: Elevation: 755 Watershed: Cow Creek

District: Grant County: Pleasant Quadrangle: Willow Island

WELL OPERATOR: Forsell prior
Address: P.O. Box 1486 Parkersburg W.Va. 26101

DESIGNATED AGENT: Forsell prior
Address: P.O. Box 1486 Parkersburg W.Va. 26101

Notice is hereby given that the undersigned authorized oil and gas inspector has made a special inspection of the above-named well on June 29, 1983.

- Upon the expiration of a period of time originally fixed for abatement.
- Upon the order of the Administrator for the Office of Oil and Gas at the request of the well operator.
- Upon the request of the Administrator for the Office of Oil and Gas.

The violation of Code 22-4-12B, heretofore found to exist on June 21, 1983 by Form IV-27, "Notice of Violation" /, Form IV-28, "Imminent Danger Order" _____ / of that date has not been totally abated and it has been determined that no further extension of time should be permitted for the following reasons:

(USE REVERSE SIDE OF THIS ORDER IF NECESSARY)

Failure to Re Claim well site within 6 months after completion of Drilling

Therefore, in accordance with the provisions of Code 22-4-1g, the well operator is hereby ORDERED:

- To continue cessation of operations until the imminent danger is fully abated.
- To cease further operations until the violation has been fully abated.

In accordance with Code 22-4-1h, a well operator or complaining coal operator, owner, or lessee may apply for review of this Order within 15 days of the date of this Order.

Robert H. Lowther
Oil and Gas Inspector
Address: Madalbourne
W.Va. 26149
Telephone: 758-4764

PURCHASER: _____
Address _____

(Copies of this ORDER have been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.)

Date: Aug 23, 1983

Operator's Well No. _____

API Well No. 47-073-1089
State County Permit

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

NOTICE OF ABATEMENT

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

LOCATION: Elevation: _____ Watershed: _____
District: Grant County: Pleasant Quadrangle: _____

WELL OPERATOR Ferrell prior DESIGNATED AGENT Ferrell prior
Address P.O. Box 1486 Address _____
Parkersburg, Va.

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on Aug 23, 1983.

- ____ Upon the expiration of a period of time originally fixed for abatement.
- Upon the order of the Deputy Director for Oil and Gas at the request of the well operator.
- ____ Upon the request of the Deputy Director for Oil and Gas.

The violation of Code § 22-4-12B heretofore found to exist on June 21, 1983, by Form IV-27, "Notice of Violation" Form IV-28, "Imminent Danger Order" of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS

well site is Re Claimed

RECEIVED
AUG 24 1983
OIL & GAS DIVISION
DEPT. OF MINES

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

R. A. Lowther
Oil and Gas Inspector

Address: _____

Telephone: _____

NOV 13 1981
 FEDERAL ENERGY REGULATORY COMMISSION
 OFFICE OF ASSISTANT ATTORNEY GENERAL

1.0 API well number: (If not available, leave blank. 14 digits.)	47-073-1089															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA Category Code															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3638 feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name: <u>Ferrell Prior</u> Seller Code Street: <u>P. O. Box 1486</u> City: <u>Parkersburg, W. Va.</u> State: <u>W. Va.</u> Zip Code: <u>26101</u>															
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Name: <u>Shultz</u> <u>Pleasants</u> W. Va. County: _____ State: _____															
(b) For OCS wells:	Area Name: _____ Block Number: _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number: _____															
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>McCullough No. 3</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Consolidated Gas Supply Corporation</u> 004228 Name Buyer Code															
(b) Date of the contract:	<u>1 2 2 2 80</u> Mo. Day Yr.															
(c) Estimated annual production	_____ MMcf															
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;"></th> <th style="width:15%;">(a) Base Price (\$/MMBTU)</th> <th style="width:15%;">(b) Tax</th> <th style="width:15%;">(c) All Other Prices (Indicate (+) or (-))</th> <th style="width:20%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align:center;">4.952</td> <td style="text-align:center;">---</td> <td style="text-align:center;">---</td> <td style="text-align:center;">4.952</td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align:center;">4.952</td> <td style="text-align:center;">---</td> <td style="text-align:center;">---</td> <td style="text-align:center;">4.952</td> </tr> </tbody> </table>		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-))	(d) Total of (a), (b) and (c)	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	4.952	---	---	4.952	8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	4.952	---	---	4.952
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-))	(d) Total of (a), (b) and (c)												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	4.952	---	---	4.952												
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	4.952	---	---	4.952												
9.0 Person responsible for this application	Name: <u>Ferrell Prior</u> Owner Title: _____ Signature: _____ Date Application is Completed: <u>July 30, 1981</u> 304-485-7419 Phone Number															

Agency Use Only
Date Received by Juris Agency NOV 13 1981
Date Received by FERC

PARTICIPANTS:

DATE:

MAR 24 1982

BUYER-SELLER CODE

WELL OPERATOR:

Ferrell Prior

FIRST PURCHASER:

Consolidated Gas Supply Co

004228

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
81113-107-073-1089
 Use Above File Number on all Communications
 Relating to Determination of this Well

needs gamma ray log 0.4%

Qualified J. H. Huzzey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0 + 6.0 b,c
- 2. IV-1 Agent Ferrell Prior
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 1-26-81 Date completed 2-1-81 Deepened _____
- (5) Production Depth: 748-68, 1252-58, 1476-1518
- (5) Production Formation: Big Injun, Berea, Gordon Stray
- (5) Final Open Flow: 600 MCF
- (5) After Frac. R. P. 1010# 4hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily R _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

IS

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

Date July 30, 19 81

Operator's Well No. Three (3)

API Well No. 47 . 073 . 1089
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR Ferrell Prior

DESIGNATED AGENT Ferrell Prior

ADDRESS P. O. Box 1486
Parkersburg, West Virginia

ADDRESS P. O. Box 1486
Parkersburg, West Virginia

Gas Purchase Contract No. 4206 and Date 12-22-1980
(Month, day and year)

Meter Chart Code N/A

Name of First Purchaser Consolidated Gas Supply Corporation
445 West Main Street
(Street or P. O. Box)
Clarksburg, West Virginia 26301
(City) (State) (Zip Code)

FERC Seller Code _____

FERC Buyer Code 004228

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of 107 NGPA Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Ferrell Prior Owner
Name (Print) Title

Signature _____

P. O. Box 1486
Street or P. O. Box

Parkersburg, W. Va. 26101
City State (Zip Code)

(304) 485-7418
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1976. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

NOV 13 1981

Date received by _____
Jurisdictional Agency

Director
By J. B. Murray
Title _____

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

Date July 30 1981

Operator's Well No Three (3)

API Well No 073 1089
State VA VA

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE

MGPA Section 107

DESIGNATED POINT Ferrell Prior
ADDRESS P. O. Box 1486
Parkersburg, W. Va. 26101

WELL OPERATOR Ferrell Prior
ADDRESS P. O. Box 1486
Parkersburg, W. Va. 26101

LOCATION Elevation 755
Watershed Cow Creek of Ohio River
Dist Grant County Pleasants Twp Willow

GAS PURCHASER Consolidated Gas Supply Corp.
ADDRESS 445 West Main Street
Clarksburg, W. Va. 27301

Gas Purchase Contract No 4206
Meter Chart Code N/A
Date of Contract 12/22/80

Date surface drilling began: 1/26/81

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

See Attach Sheet

AFFIDAVIT

I, Ferrell Prior, having been first sworn according to law, state that, I have calculated the percentage of footage of the producing interval which is not Devonian shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

STATE OF WEST VIRGINIA,
COUNTY OF Wood, TO WIT.

I, Earlene Gessner, a Notary Public in and for the state and county aforesaid, do certify that Ferrell Prior, whose name is signed to the writing above, bearing date the 30 day of July, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 30 day of July, 1981
My term of office expires on the 11 day of May, 1989

[NOTARIAL SEAL]

Earlene M. Gessner
Notary Public

$$f(x) = \text{BHP} = P_0 + P_1(x) \quad (P_1) \text{ IS GIVEN}$$

$$\text{WHERE } x = e^y - 1$$

$$\text{WHERE } y = GL / 53.34 T$$

G = SPECIFIC GRAVITY

L = LENGTH OF PIPE

T = TEMPERATURE °RANKIN

$$G = .784$$

$$L = 3620$$

$$T = 60 + .75 (3622 \div 100) =$$

$$T = 60 + 27.165 = 87.165$$

$$T = 87.165 + 459.69$$

$$T = 546.855$$

$$P_1 = 1010$$

$$f(x) = 1010 + 1010 (e^y - 1)$$

$$y = 2838.08 / 29,169.405 = .0972964$$

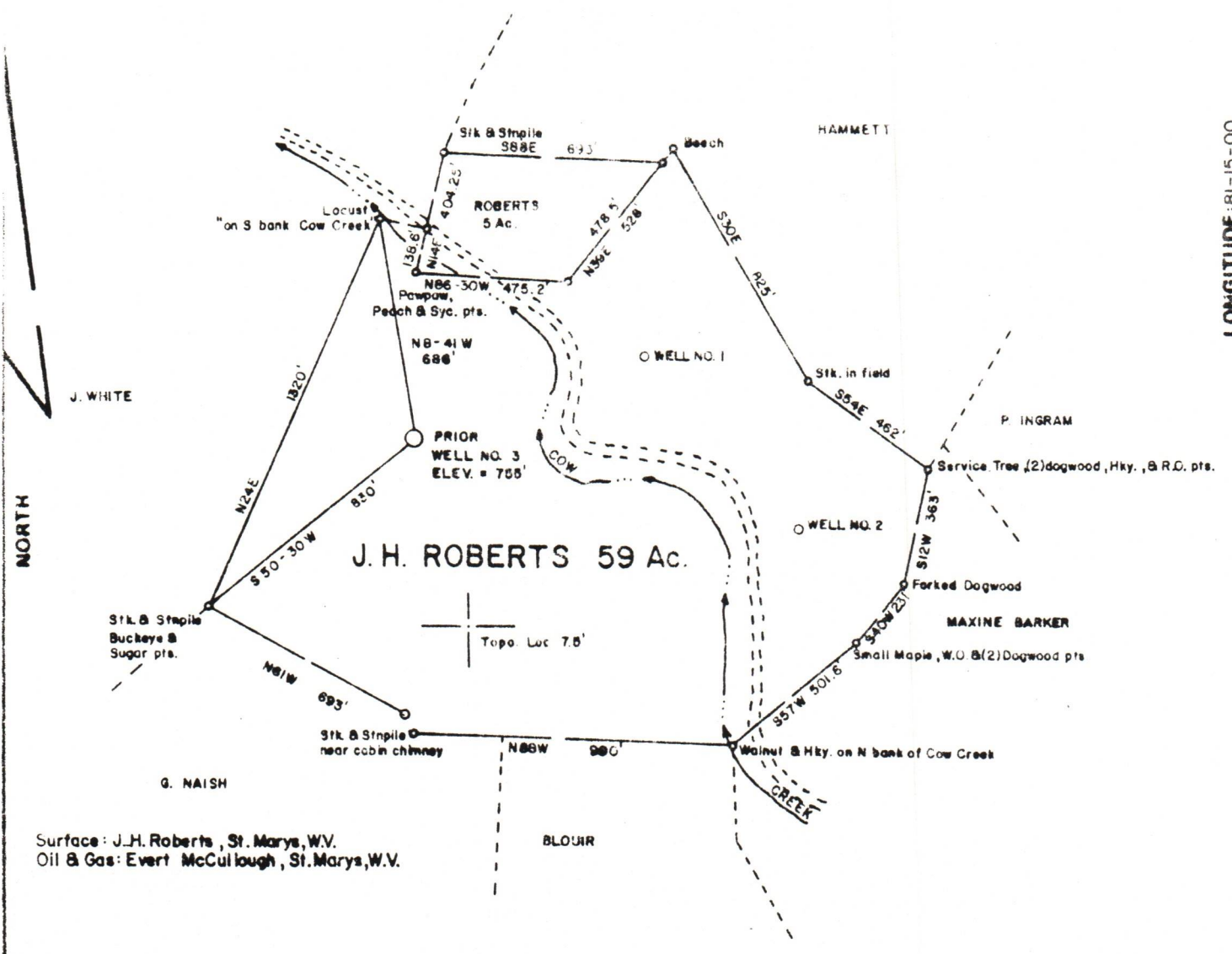
$$e^x \text{ of } y = 1.102187$$

$$\text{E } e^x - 1 = 1.102187 - 1$$

$$f(x) = 1010 + 1010 (.102187)$$

$$f(x) = 1113.21 = \text{BHP}$$

T



Surface: J.H. Roberts, St. Marys, W.V.
Oil & Gas: Evert McCullough, St. Marys, W.V.

FILE NO. _____
DRAWING NO. _____
SCALE 1 inch = 500 feet
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION Jct. Rds. 2500' SE of Location Elev. = 655'

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) Mark C. Echard
MARK C. ECHARD
R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE DECEMBER 5, 1980
OPERATOR'S WELL NO. THREE
API WELL NO. _____
47 - 073 - 1089
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 755' WATER SHED COW CREEK of OHIO RIVER
DISTRICT GRANT COUNTY PLEASANTS
QUADRANGLE WILLOW ISLAND 7.5'
SURFACE OWNER J.H. ROBERTS ACREAGE 59
OIL & GAS ROYALTY OWNER EVERT McCullough LEASE ACREAGE 59
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4380'
WELL OPERATOR MR. FERRELL PRIOR DESIGNATED AGENT MR. FERRELL PRIOR
ADDRESS P.O. BOX 1486 ADDRESS PO. BOX 1486
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101