

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 1 (Adams)
API Well No. 47 - 073 - 0817
State County Permit

WELL TYPE: OIL XX / GAS
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1050' Watershed: Ben's Run
District: Lafayette County: Pleasants Quadrangle: Ben's Run

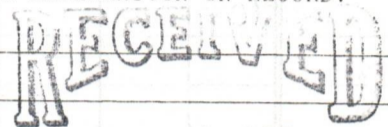
WELL OPERATOR Collins-McGregor Operating Company DESIGNATED AGENT Cloyd R. Feick
Address P.O. Box 754, 1 Crt. Hse. Lane Address Route #2, Box 147
Marietta, Ohio 45750 Walker, West Virginia 26180

OIL & GAS ROYALTY OWNER Phyllis J. Adams
Address Route #39
St. Marys, West Virginia
Acreage 34.88

COAL OPERATOR
Address

SURFACE OWNER Same as Above
Address
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address



JAN - 8 1980

Name
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Lee Tracy
Address P.O. Box 173 - Dodd Street
Middlefield, West Virginia 26149

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XX / other contract / dated April 4th, 1979, to the undersigned well operator from Phyllis J. Adams

[If said deed, lease, or other contract has been recorded:]

Recorded on April 11, 1979, in the office of the Clerk of the County Commission of Pleasants County, West Virginia, in Deed Book 151 at page 597. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

Collins-McGregor Operating Company
Well Operator
By Robert W. McGregor
Its Robert W. McGregor, Managing Partner

BOND DRILL

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) MCF Operating Company

Address P.O. Box 754, 1 Court House Lane
Marietta, Ohio 45750

GEOLOGICAL TARGET FORMATION, Gordon-Fifth sand

Estimated depth of completed well, 3400 feet Rotary / Cable tools

Approximate water strata depths: Fresh, 175 feet; salt, _____ feet.

Approximate coal seam depths: _____ **IS coal being mined in the area?** Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKL. Kinds
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	10"				X		250'	Cement to surface
Fresh water								
Coal								Sizes
Intermediate	8 5/8"					1150' - 8 5/8"		
Production	4 1/2"					2100' - 7"	3400'	Cemented, if production, 1600'
Tubing								Depths set
Liners								Perforations:
								Top Bottom

NOTE - Regulations 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

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

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 9-8-80

Robert T. Hill
Deputy Director, Oil & Gas Division
The following conditions must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____

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

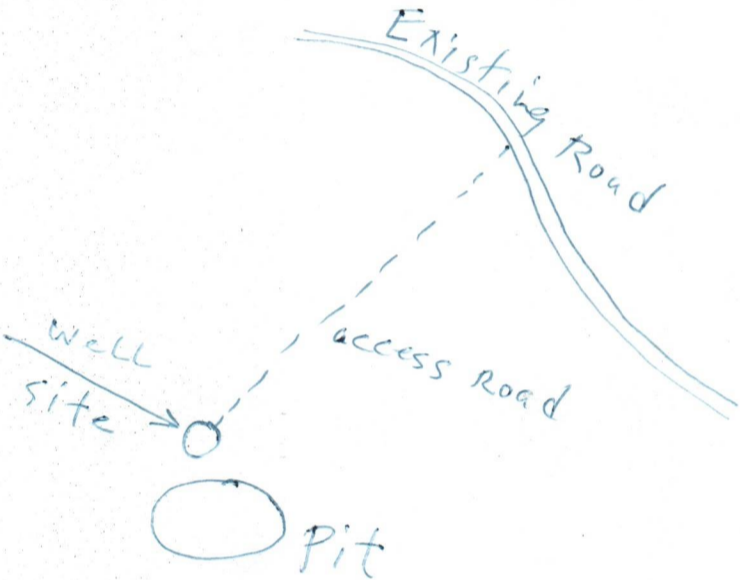
RECLAMATION PLAN

WELL OPERATOR Collins-McGregor Operating Co. DESIGNATED AGENT Cloyd R. Feick
Address P.O. Box 754, 1 Court House Lane Address Route #2, Box 147
Marietta, Ohio 45750 Walker, West Virginia 26180

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has / has not XX / been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



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JAN - 8 1980
OIL & GAS DIVISION
DEPT. OF MINES

STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

Location will be graded and seeded upon completion of well and roads will be ditched and culverts placed where necessary. Entire location will be reclaimed in accordance with state regulations.

Signature

Collins-McGregor Operating Company
Well Operator

By Robert W. McGregor
Its By Robert W. McGregor, Managing Partner

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FEB 14 1984



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date February 3, 1984
Operator's
Well No. 1
Farm Phyllis J. Adams
API No. 47 - 073 - 0817

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

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

LOCATION: Elevation: 1050' Watershed Bens Run
District: Lafayette County Pleasants Quadrangle Bens Run

COMPANY Collins-McGregor Operating Company

ADDRESS 1 Court House Lane Marietta, Ohio

DESIGNATED AGENT Cloyd R. Feick
Route #2, Box 147

ADDRESS Walker, W. Va. 26180

SURFACE OWNER Phyllis J. Adams

ADDRESS Rt. #39 St. Marys, W. Va.

MINERAL RIGHTS OWNER Phyllis J. Adams

ADDRESS Rt. 39 St. Marys, W. Va.

OIL AND GAS INSPECTOR FOR THIS WORK Phillip
Tracy ADDRESS P. O. Box 173 Dodd St.
Middlefield, W. Va.

PERMIT ISSUED January, 1980

DRILLING COMMENCED 1/8/80

DRILLING COMPLETED 4/23/80

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	250'		
9 5/8			
8 5/8	1248'		
7			
5 1/2			
4 1/2	3016'	3016'	160 Sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3200 feet

Depth of completed well 3200 feet Rotary ___ / Cable Tools xx

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2880 / 3200 feet

Gas: Initial open flow 275 Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow ___ Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

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

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

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

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests ___ hours

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

(Continue on reverse side)

PLEASANTS 817

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

68,000 Gal. Water 40,000 Lbs. Sand 142 SCF Nitrogen

2882-2892 11 Shots
2914-2916 2 Shots

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
1st Cow Run			1211	1252	
2nd Cow Run			1461	1493	
Gas Sand			1613	1631	
Lower Gas Sand			1637	1656	
1st Salt Sand			1623	1731	
2nd Salt Sand			1734	1744	
Princeton			1746	1768	
Ravencliff			1770	1813	
Maxon			1829	1848	
Little Lime			1848	1865	
Blue Monday			1865	1875	
Big Lime			1876	1925	
Keener			1930	1968	
Big Injun Sand			1975	2059	
Squaw Sand			2066	2081	
Weir			2103	2131	
Sand			2411	2429	
Coffee Shale			2568	2584	
Berea Sand			2584	2589	
Gantz			2629	2633	
50'			2688	2742	
30'			2767	2797	
Gordon Stray			2810	2876	
Gordon			2880	2916	
Devonian Shale			2916	3200	
Coal Beds:			453-459, 1349-1351, 1403-1405, 1496-1499, 1516-1519, 1571-1574, 1609-1610, 1708-1710, 1822-1827		

(Attach separate sheets as necessary)

Collins-McGregor Operating Company
Well Operator

By:  Auditor

Date: 2/8/84

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



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MAY 23 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 22, 1984

COMPANY Collins-McGregor Operating Co.

PERMIT NO 073-0817

1 Court House Lane

FARM & WELL NO Phyllis J. Adams #1

Marietta, Ohio 45750

DIST. & COUNTY Lafayette/Pleasants

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED R.A. Loutler

DATE May 25, 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.

Administrator-Oil & Gas Division

DATE

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MAY 2 1924

DEPT. OF MINES
OIL & GAS DIVISION



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

[Faint, mostly illegible text, possibly a letter or report]

Approved: _____
Special Agent in Charge

[Faint text at the bottom of the page]



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305
 May 30, 1984

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

Collins-McGregor Operating Comapny
 P.O. Box 754, 1 Courthouse Lane
 Marietta, Ohio 45750

In Re: PERMIT NO: 073-0817
 FARM: Phyllis J. Adams
 WELL NO: One
 DISTRICT: Lafayette
 COUNTY: Pleasants
 ISSUED: 1-8-80

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

 The well designated by the above permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

T.M. Streit
 Theodore M. Streit, Administrator
 Office of Oil & Gas - Dept. Mines

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APR 15 1981

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 073 - 0817 -				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	T Category Code	OIL & GAS DIVISION DEPT. OF MINES		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3200 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Collins-McGregor Operating Company Name 1 Court House Lane - P. O. Box 754 Street Marietta, Ohio City			Seller Code 45750 State Zip Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Name Pleasants County		W. Va. State		
(b) For OCS wells:	Area Name		Block Number		
Date of Lease:					
NA Mo. Day Yr.					
(c) Name and identification number of this well: (35 letters and digits maximum.)	Phyllis Adams #1				
(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.)	Columbia Gas Transmission Corp. Name			Buyer Code	
(b) Date of the contract:	NA Mo. Day Yr.				
(c) Estimated total annual production from the well:	4 Million Cubic Feet				
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	(a) Base Price -----	(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.)	S/MMBTU	2.428	-----	-----	2.428
9.0 Person responsible for this application:	Robert W. McGregor for Collins-McGregor Operating Co. Managing Partner Name Title				
Agency Use Only	Signature				
Date Received by Juris. Agency APR 15 1981	Date Application is Completed 4/10/81				
Date Received by FERC	Phone Number 614-373-9831				

PARTICIPANTS:

DATE: JUN 26 1981

BUYER-SELLER CODE

WELL OPERATOR: Collins - McGregor Operating Co.

NA

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

ck. map 1000'
OK - signed
~~No GOR~~

Qualifies J. E. Huggins

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
81-4-15-103-073-0817
Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0 All, 8.0 b,c
- 2. IV-1 Agent Cloyd R. Feick
- 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: 1-8-80 Date completed 4-23-80 Deepened
- (5) Production Depth: 2880-2016
- (5) Production Formation: Gordon
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (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 Report _____
- (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? _____

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

Date April 10, 1981

Operator's
Well No. 1 Phyllis J. Adams
API Well
No. 47 - 073 - 0817
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Cloyd R. Feick

ADDRESS Route #2, Box 147
Walker, W. Va. 26180

WELL OPERATOR Collins-McGregor Operating Co. LOCATION: Elevation 1050'

ADDRESS 1 Court House Lane, P. O. Box 754 Watershed Ben's Run

Marietta, Ohio 45750 Dis. Lafayette County Pleasants Quad. Ben's Run

GAS PURCHASER Columbia Gas Trans. Corp. Gas Purchase

ADDRESS P. O. Box 1273 Contract No. _____

Charleston, W. Va. 25325 Meter Chart Code _____

Date of Contract _____

* * * * *

Date surface drilling was begun: 1/8/80

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

Robert W. McGregor
Managing Partner For AFFIDAVIT

I, Collins-McGregor Oper. Co. 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 19, 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 19, 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.

Ohio
STATE OF ~~WEST VIRGINIA~~
COUNTY OF Washington, TO WIT:

I, Deborah M. Marks, a Notary Public in and for the state and county aforesaid, do certify that Robert W. McGregor, whose name is signed to the writing above, bearing date the 14th day of April, 19 81, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 14th day of April, 19 81. My term of office expires on the _____ day of _____, 19 _____.

[NOTARIAL SEAL]

Deborah M. Marks
Notary Public

DEBORAH M. MARKS
Notary Public, State of Ohio
My Commission Expires Dec. 12, 1984

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DEC 9 1980

Well No. (Numbered 14 digits) 47-073-0817

2.0 Type of determination being sought (Use the codes found on the front of this form.)
Section of NGPA 107 Category Code OIL & GAS DIVISION DEPT. OF MINES

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)
3200 feet Gordon Devonian shale 2880-2916

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
Name Collins-McGregor Operating Company Seller Code
Street 1 Court House Lane - P. O. Box 754
City Marietta State Ohio Zip Code 45750

5.0 Location of this well: [Complete (a) or (b).]
(a) For onshore wells (35 letters maximum for field name.)
Field Name Pleasants State W. Va.
County _____

(b) For OCS wells:
Area Name _____ Block Number _____
Date of Lease: NA
Mo. Day Yr. OCS Lease Number _____

(c) Name and identification number of this well: (35 letters and digits maximum.)
Phyllis Adams #1

(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.)
Name Consolidated Natural Gas Company Buyer Code _____

(b) Date of the contract:
NA
Mo. Day Yr.

(c) Estimated total annual production from the well:
4 Million Cubic Feet

	(a) Base Price	(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.)	S/MMBTU -----	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU Deregulated	-----	-----	Deregulated

9.0 Person responsible for this application:
Agency Use Only
Date Received by Juris. Agency DEC 9 1980
Date Received by FERC _____
Name Robert W. McGregor for Collins-McGregor Operating Co. Title Managing Partner
Signature [Signature]
Date Application is Completed July 30, 1980 Phone Number (614) 373-9831

PARTICIPANTS:

DATE: MAY 18 1991

BUYER-SELLER CODE

WELL OPERATOR: Collins - McGregor Operating Co.

NA

FIRST PURCHASER: Consolidated Natural Gas Co.

NA

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

80-12-9-107-073-0817

Use Above File Number on all Communications
Relating to Determination of this Well

*with the log and cannot interpret
log not interpreted correctly
Qualifies J E Huggins 1.23*

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 4117.0, 8.0 Deregulated
- 2. IV-1 Agent Cloyd R. Feick
- 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: 1-8-80 Date completed 4-23-80 Deepened _____
- (5) Production Depth: 2880 - 2916
- (5) Production Formation: Gordon (Devonian Shale)
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (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 Report
- (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? _____

3

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

Date July 30 1980
Operator's Well No. Adams #1
API Well No. 47 - 073 - 0817
State County Permit

WELL CLASSIFICATION FORM:
HIGH COST GAS WELL - DEVONIAN
NGPA Section 107

DESIGNATED AGENT Cloyd R. Feick
ADDRESS Route #2, Box 147
Walker, W. Va. 26180
LOCATION: Elevation 1050'
Watershed Ben's Run
Dist Lafayette County Pleasants Quad. Ben's Run
Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

WELL OPERATOR Collins-McGregor Operating Co.
ADDRESS 1 Court House Lane, P. O. Box 754
Marietta, Ohio 45750
GAS PURCHASER Consolidated Natural Gas Co.
ADDRESS 145 West Main Street
Clarksburg, W. Va. 26301

* * * * *

Date surface drilling began: 1/8/80

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

AFFIDAVIT

Robert W. McGregor
Managing Partner For
I, Collins-McGregor Op., Co. 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 in 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.

Robert W. McGregor

Ohio
STATE OF ~~XXXXXXXXXXXX~~
COUNTY OF Washington, TO WIT:

I, Deborah M. Marks, a Notary Public in and for the state and county aforesaid, do certify that Robert W. McGregor whose name is signed to the writing above, bearing date the 30th day of July, 1980, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 30th day of July, 1980.
My term of office expires on the ___ day of _____, 19__.

Deborah M. Marks
Notary Public

[NOTARIAL SEAL]

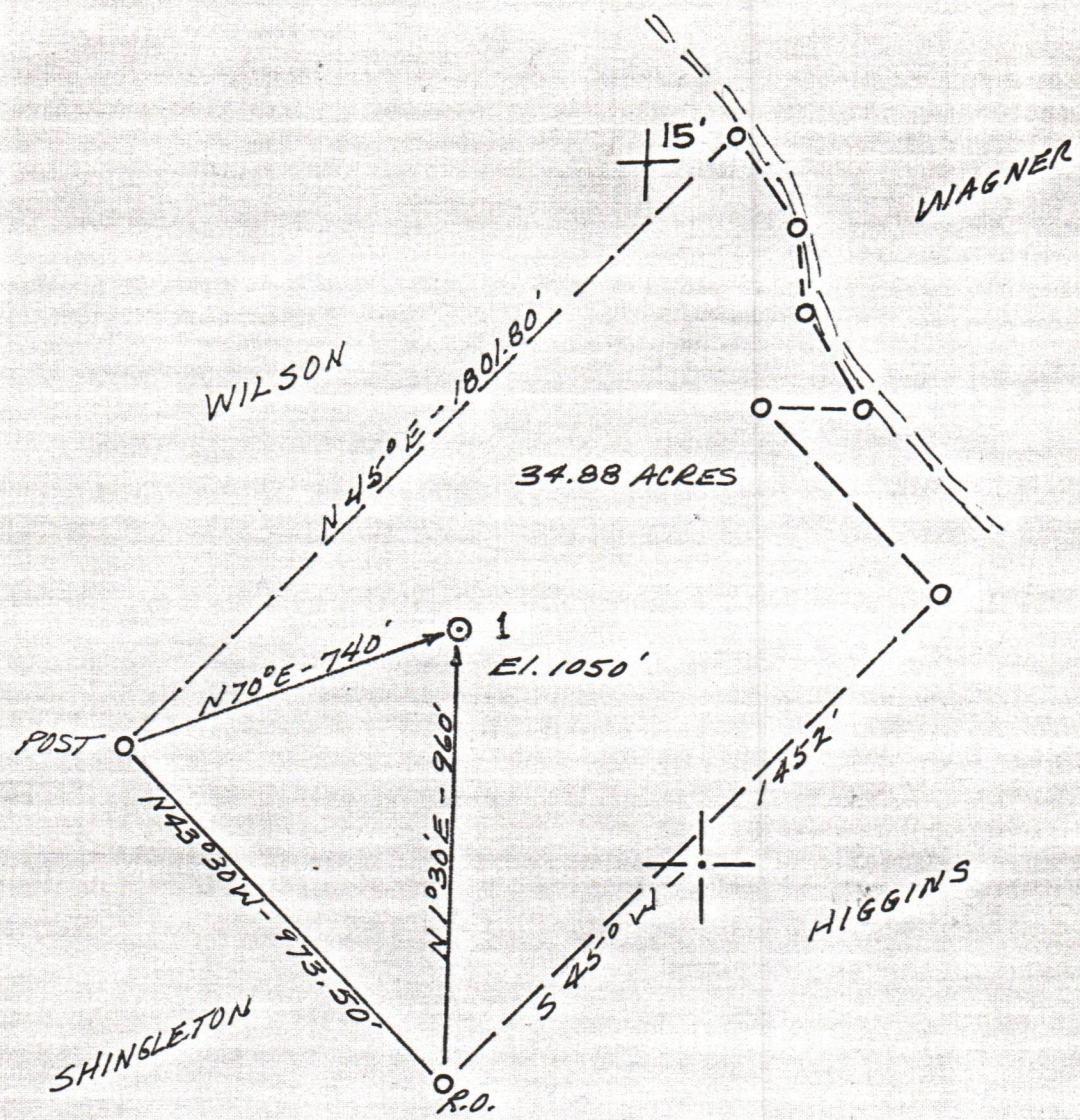
DEBORAH M. MARKS
Notary Public, State of Ohio
My Commission Expires Dec. 12, 1984

11/8/80 RW

Latitude 39° 25' 00"

12000' SOUTH
5510' WEST

Longitude 81° 00' 00"
(15') 81° 03' 30"



ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation FIFTH SAND Oil
 Est. Depth 3400' Gas
 Other

Source of Elevation ROAD AT COR. OF LEASE (1038')
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company COLLINS - MCGREGOR OPER. CO.
 Address MARIETTA, OHIO
 Surface Owner PHYLLIS ADAMS
 Mineral Owner PHYLLIS ADAMS

Well No. 1 Acres 34.88
 Elevation 1050'
 Quadrangle ST. MARYS Series 15'
BENS RUN Series 7.5'
 County PLEASANTS District LAFAYETTE
 Date 12/21/79 Scale 1" = 400'

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

WELL LOCATION MAP
47 - 073 - 817
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 79-943

Gordon - 3400'