

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas XXI
(If "Gas", Production XXI Underground storage / Deep / Shallow XXI)

LOCATION: Elevation: 2298' Watershed: Devil Run
District: Raring Creek County: Randolph Quadrangle: Elmore, W. Va.

WELL OPERATOR Century Hydro-Carbon, Corp. DESIGNATED AGENT
Address Suite 305, 7030 S. Yale Address
Tulsa, Oklahoma 74136

OIL & GAS ROYALTY OWNER Armand Ricottilli COAL OPERATOR
Address Box 25, Star Route Address
Coatton, W. Va. 26257

ACREAGE 101 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Armand Ricottilli Name Armand Ricottilli
Address Box 25, Star Route Address Box 25 Star Route
Coatton, W. Va. 26257 Coatton, W. Va. 26257
ACREAGE 101 Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Stewart
Address P.O. Box 345, Jane Lew, W. Va. 26378
PH: 884-7782

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address
RECEIVED
FEB - 6 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XXI / other contract / dated 14 Jan., 1972, to the undersigned well operator from Armand Ricottilli.

[If said deed, lease, or other contract has been recorded:]
Recorded on Jan., 1972, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed Book 276 at page 311. A permit is requested as follows:

PROPOSED WORK: Drill XXI 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
TELEPHONE: (304) 348-3092

Century Hydro-Carbon Corp. **03/29/2024**
Well Operator

By Alvin Soucan
Its Petroleum Engr.

"Blanket Bond"

[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) Union Drilling
Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Bearson

Estimated depth of completed well, 5000' feet Rotary XX Cable tools /
Approximate water strata depths: Fresh, 2 feet; salt, feet.
Approximate coal seam depths: 2 Is coal being mined in the area? Yes / No XX /

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		
Conductor	<u>11 3/4"</u>			X		<u>20'</u>	<u>20'</u>	Kinds
Fresh water								
Coal								Sizes
Intermediate	<u>8 5/8"</u>		<u>20#</u>	X		<u>900'</u>	<u>900'</u>	<u>To Surface</u>
Production	<u>4 1/2"</u>		<u>10 1/2#</u>	X		<u>5000'</u>	<u>5000'</u>	<u>375 4/5</u> Depths set
Tubing								
Liners								Perforations: Top Bottom

NOTE: Regulation 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 10-15-80.

Robert S. [Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner XX / 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: 1-11, 19 80

Armand Rivelle 03/29/2024
By _____
Its _____

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.

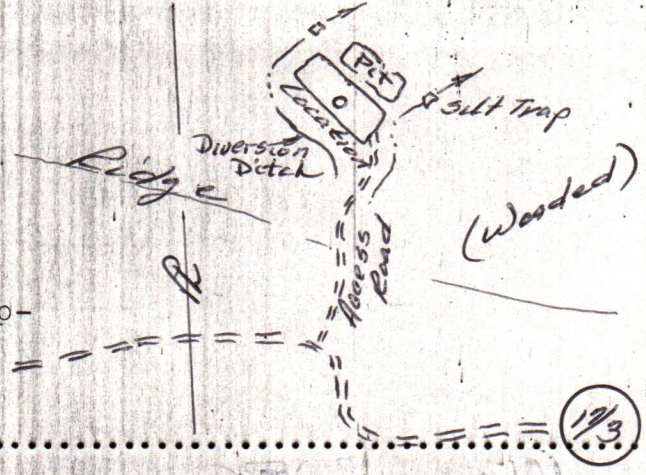


COMPANY NAME Centary Hydro-Carbon, Corp. PERMIT NO. _____
 FARM Armand Ricottilli DISTRICT Rearing Creek COUNTY Randolph

STATEMENT OF RECLAMATION PLAN:

The access road will leave West Virginia Secondary Route 17/3 and run for 350 ft. crossing over a flat ridge to the location. The location will be constructed in the woods on flat terrain. The Pit will be constructed northeast of the location being of adequate size to contain all drilling fluids. A Diversion ditch will be constructed if necessary around the perimeter to divert runoff into silt traps. Upon completion all disturbed areas, location and pit shall be reclaimed by seeding, mulching and fertilized leaving only the necessary area for the operation and maintenance of the well.

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.



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OIL & GAS DIVISION
DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector. 03/29/2024

Please indicate () "YES" if the district inspector was present.

"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."

Submitted By: Alvin Souren Title Petroleum Eng Date 2-3-80



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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APR 25 1980

Oil and Gas Division

WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle _____

Permit No. 47-083-0303

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

Company <u>Century Hydrocarbons</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>7030 South Yale, Suite 305</u>	Size			
Farm <u>Armand</u> <u>Tulsa, OK 74177</u>	20-16			
Location (waters) _____	Cond.			
Well No. <u>3</u> Elev. _____	13-10"			
District _____ County <u>Randolph</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	936		300 sk
Address _____	7			
Mineral rights are owned by _____	5 1/2			
Address _____	4 1/2	5200'		600 sk
Drilling Commenced <u>2-19-80</u>	3			
Drilling Completed <u>4-2-80</u>	2			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production <u>1.23 MM</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Broke down 1000 psi, Average pressure 2400 psi, instaneous shut in 1400,
After 5 minutes 1100, Average rate 30 BPM, Total job 620 bbls.,
Perforate 5074-5090 16 holes. 30,00 80/100, 30 20/40, April 2, 1980

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Elk Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
G.L. Sand & Shale			0	3		
Sand			3	11		
R. Rock			11	13		
Sand			13	112		
Sand & Shale			112	138		
Sand			138	250		
Sand & Shale			250	270		
Coal			270	275		
Sand			275	330		
Sand & Shale			330	543		
Sand			543	616		
Sand & Shale			616	720		
Coal			720	725		
Sand & Shale, Streaks			725	760		
Shale & R. Rock			760	913		
Sand			913			
Big Lime			1,232	1,351		
Sand & Shale			1,352	1,382		
Big Injun			1,382	1,472		
Sand & Shale			1,472	4,725		
Benson			4,725	4,735		
Shale			4,735	5,055		
1st Elk			5,055	5,075		

03/29/2024

(over)

* Indicates Electric Log tops in the remarks section.

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

Date: _____, 19__

Operator's
Well No. _____
API Well No. 47 - _____ - _____
State County Permit

INSPECTOR'S WELL REPORT
ON
PLUGGING

WELL TYPE: Oil ___/ Gas ___/ Liquid Injection ___/ Waste Disposal ___/
(If "Gas", Production ___/ Underground storage ___/ Deep ___/ Shallow ___/)
LOCATION: Elevation: _____ Watershed: _____
District: _____ County: _____ Quadrangle: _____

WELL OPERATOR _____ DESIGNATED AGENT _____
Address _____ Address _____

PLUGGING CONTRACTOR _____ SERVICE COMPANIES (NAMES ONLY) _____
Address _____ _____

PERMITTED WORK: Plug and abandon ___/ Clean out and replug ___/

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness

Bridge Plugs Used--Type and Depth

VENT PIPE _____

MISCELLANEOUS MATERIALS _____

CASING LOST _____

TYPE OF RIG:
Owner: Well Op'r ___/ Contractor ___/
Rig time: ___ days plus ___ hours

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL

INSPECTOR'S AND OTHER REMARKS:

03/29/2024

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

District Oil and Gas Inspector

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

Date: 2-19, 1980
Operator's Well No. M-1 #3
API Well No. 47-0830303
State County Permit

INSPECTOR'S WELL REPORT
ON
PERMITTED WORK EXCEPT PLUGGING AND ABANDONMENT

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

LOCATION: Elevation: 2298 Watershed: _____
District: Roaring Creek County: RANDOLPH Quadrangle: _____

WELL OPERATOR CENTURY HYDRO CARBON DESIGNATED AGENT _____
Address TULSA OKLA Address _____

DRILLING CONTRACTOR UNION DRIG SERVICE COMPANIES _____
Address RIG 6 _____

WELL DATA:
Drilling commenced 2-19, 1980; completed _____, 19____
Total Depth _____ feet
Fracturing ___ / Stimulation ___ / on _____, 19____ at a depth of _____ feet
Open Flow: Initial, ___/10ths Water in ___ inches; after tubing, ___/10ths Merc. in ___ inches
Other work commenced _____, 19____; completed _____, 19____
Gas Volume _____ Mcf Oil Volume _____ Bbl.
Rock Pressure _____ psig after _____ hrs.
Fresh water encountered (depths) _____
Salt water encountered (depths) _____
Coal seams encountered (depths) _____

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									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production									Depths set
Tubing									
Liners									Perforations:
									Top Bottom

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL 2-19-80

INSPECTOR'S AND OTHER REMARKS:

Move Rig SPUD

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FEB 21 1980

OIL & GAS DIVISION
DEPT. OF MINES

03/29/2024

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

Robert Steward 511
District Oil and Gas Inspector

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

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FEB 26 1980

INSPECTOR'S WELL REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-0303

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>CENTURY HYDRO CARBON</u>				
<u>TULSA, OKLA</u>	Size			
<u>ARMON D. RICOTTI 'II'</u>	16			Kind of Packer
<u>M-1 #3</u>	13			
<u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
<u>2-19-80</u>	<u>8 7/8</u>	<u>926</u>	<u>250 SKS</u>	
	6 3/4			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
	CASING CEMENTED <u>8 7/8</u> SIZE <u>926</u> No. FT. <u>2-22-80</u> Date			
	NAME OF SERVICE COMPANY <u>HALLIBURTON</u>			
	COAL WAS ENCOUNTERED AT <u>270</u> FEET <u>60</u> INCHES			
	<u>720</u> FEET <u>60</u> INCHES FEET INCHES			
	FEET INCHES FEET INCHES			

Drillers' Names Union Rig 6

Remarks:

Cement to SURFACE

2-22-80
DATE

Robert Stewart 03/29/2024 511
DISTRICT WELL INSPECTOR

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

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NOV - 3 1980

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 083-0303

Oil or Gas Well GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>CENTURY HYDRO CARBON</u>				
Address <u>BUCKHANNOVA</u>	Size			
Perm <u>ARMAND RICOTTILLI</u>	16			Kind of Packer
Well No. <u># 3</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>2-19-80</u>	8 1/4			
Drilling completed _____ Total depth _____	6 1/4			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf bottom
Volume _____ Cu. Ft.	Liners Used			Perf top
Rock pressure _____ lbs _____ hrs				Perf bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

O.K. To Release

10-30-80

Robert Stewart 03/29/2024



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

November 12, 1980

Century Hydrocarbons
7030 South Yale, Suite 305
Tulsa, OK 74177

In Re: PERMIT NO 083-0303
FARM Armand Ricottilli
WELL NO 3
DISTRICT Roaring Creek
COUNTY Randolph

Gentlemen:

The Final Inspection Report for the above described 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.

XXXXXX 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,

Fred Burdette

RLD/chm

03/29/2024

M-1

RECEIVED

DEC 15 1980

OIL & GAS DIVISION
DEPT. OF MINES

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0303			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5,400		feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	FMP Oil & Gas Properties		Seller Code	
	537 Springvale Road			
	Great Falls, Va. 20066			
	City		State Zip Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Roaring Creek District, Devil's Run			
	Field Name			
	Randolph Co., West Va.			
	County State			
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:		OCS Lease Number	
	Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)	M-1, Armand #3			
(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		004030	
	Name		Buyer Code	
(b) Date of the contract	11 80			
	Mo. Day Yr.			
(c) Estimated annual production:	52 MMcf.			
	(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.)	NOT	IN PRODUCTION		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)				
9.0 Person responsible for this application:	Frank M. Foley		President	
Agency Use Only	Name		Title	
Date Received by FERC Agency	Signature			
DEC 15 1980	12/12/80		703-759-4545	
Date Received by FERC	Date Application is Completed		Phone Number	

03/29/2024

PARTICIPANTS: X

DATE: MAY 18 1981

BUYER-SELLER CODE

WELL OPERATOR: F M F Oil & Gas Properties

NA

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

~~... for ...~~
~~... marked for ...~~
~~... generated~~
Qualifies
J. H. Huzzey
2.9%

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
80-12-15 - 107-083-0303
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+8.0 All
 2. IV-1 Agent Paul Bowles
 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: 2-19-80 Date completed 4-2-80 Deepened -
 - (5) Production Depth: 5055-5155
 - (5) Production Formation: EIK
 - (5) Final Open Flow: 1.23 mmmcf
 - (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? _____

03/29/2024

TJ

Originally filed 12/12/80

Date Aug 11 81

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

Operator's Well No. M-1, Armand #3

API Well No. 47 083 0303

State _____

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT Paul Bowles, Esquire
Bowles, McDavid, Graff & Love

WELL OPERATOR FMF Oil & Gas Properties
537 Springvale Road
ADDRESS Great Falls, Va. 22066

LOCATION Charleston, West Va. 25325

Elevation 2298'

Watershed Devil's Run

Dis Roaring Creek, Randolph, Ellamore

GAS PURCHASER Columbia Gas Transmission Corporation
ADDRESS Box 1273
Charleston, West Va.
25314

Gas Purchase Contract No. AP 25128 WV
Meter Chart Code 6 R 20611
Date of Contract NOV 1980

Date surface drilling began: 2/20/80

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

1,600 psi after 30 days shut-in

AFFIDAVIT

I, Stewart J. Rhoades, 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.

Stewart J. Rhoades

STATE OF WEST VIRGINIA.

COUNTY OF Upshur, TO WIT:

I, Louis A. Ferrari, a Notary Public in and for the state and county aforesaid, do certify that Stewart J. Rhoades, whose name is signed to the writing above, bearing date the 21 day of Aug., 19 81, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21 day of Aug., 1981

My term of office expires on the 19 day of Dec., 19 90

Louis A. Ferrari
Notary Public

[NOTARIAL SEAL]

03/29/2024

MAR 11 1981
OIL & GAS
DEPT. OF A...

1.0 API well number (If not available, leave blank - 14 digits)	47 083 0303		
2.0 Type of determination being sought (Use the codes found on the front of this form)	102 Section of NGPA	4 Category Code	
3.0 Depth of the deepest completion location (Only needed if section 104 or 107 in 2.0 above)	5,400 feet		
4.0 Name, address and code number of applicant (15 letters, maximum; If code number not available, leave blank)	FMF Oil & Gas Properties 537 Springvale Road Great Falls, VA 22066		State: _____ Zip Code: _____
5.0 Location of this well (if complete (a) or (b))	Roaring Creek District		
(a) For onshore wells (15 letters, maximum for field name)	Randolph Co., West VA		
(b) For OCS wells	Block Number: _____		
(c) Name and identification number of this well (15 letters and digits, maximum)	M-1, Armand #3		
(d) If code 4 or 5 in 2.0 above, name of the reservoir (15 letters, maximum)			
6.0 (a) Name and code number of the purchaser (15 letters and digits, maximum; If code number not available, leave blank)	Columbia Gas Transmission Corp		004030 Buyer Code
(b) Date of the contract	11/7/80 Mo Day Yr		
7.0 Estimated annual production	52 MMcf		
8.0 Contract price (As of filing date - complete to 1 decimal places)	(a) Base Price (\$/MMBtu)	(b) Tax	(c) All Other Prices (Indicate (+) or (-))
9.0 Maximum lawful rate (As of filing date - complete to 1 decimal places)			(d) Total of (a), (b) and (c)
10.0 Person responsible for the application	Frank M. Foley President		
Agency Use Only	Date Received by FERC: 3/9/81		
Date Received by FERC	Phone Number: 703-759-4545		

03/29/2024

PARTICIPANTS:

DATE: JUN 11 1981

BUYER-SELLER CODE

WELL OPERATOR:

F M F Oil & Gas Properties

NA

FIRST PURCHASER:

Columbia Gas Trans. Corp.

004030

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
91-3-11 .102-083 = 0303
 Use Above File Number on all Communications
 Relating to Determination of this Well

~~Perfs in Elk no marker wells~~
~~Do we have gas analysis?~~

~~Qualifies J. H. Huggins~~
 Qualifies J. H. Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. All 7.0 + 8.0
- 2. IV-1 Agent Paul Bowles, Ese Bowles, McDavid, Graff & Love
- 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 _____ Isopach _____
- (5) Date commenced: 2-19-80 Date completed 4-2-80 Deepened _____
- (5) Production Depth: 5055-75
- (5) Production Formation: EIK
- (5) Final Open Flow: 1.23 mmcf
- (5) After Frac. R. P. Avg. 2400#
- (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 Rep. _____
- (5) Oil Production: _____ From Completion Report _____
- 0-17. Does lease inventory indicate enhanced recovery being done NO
- 0-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information yes
- Additional information _____ Does computer program confirm? _____
- As Determination Objected to _____ By Whom? _____

03/29/2024

5

Are there any records not reasonably available to you which may contain information relevant to a determination of eligibility? Yes No If yes, identify such records and indicate their location, if known:

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No If yes, indicate the type and source of the information

- 1) Was natural gas produced from the reservoir in commercial quantities prior to April 20, 1977? Yes No
- 2) Was the reservoir penetrated by an old well from which oil or gas was produced in commercial quantities from any other reservoir? Yes No
- 3) If the answer to 2) is "yes", could natural gas have been produced in commercial quantities prior to April 20, 1977 from any old well so indicated? Yes No
- 4) If the gas is to be produced through an old well, were suitable production and gathering facilities available on April 20, 1977? Yes No
- 5) If the answer to 3) or 4) is "yes", attach a separate sheet explaining why you believe the well, for which a determination is sought, can be qualified as a new onshore reservoir well and include any information which would support your conclusion.

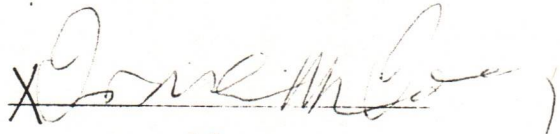
BOTTOM HOLE PRESSURE DATA

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

1,600 psi shut in pressure for 30 days

AFFIDAVIT

I, Frank M. Foley, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this determination is sought is a well producing from a new onshore reservoir.


President

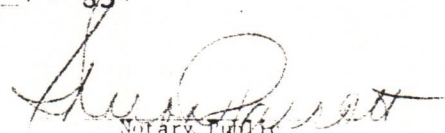
STATE OF WEST VIRGINIA ~~XXXX~~ at large
COUNTY OF _____, TO WIT:

I, Sharon Parrott, a Notary Public in and for the state and county aforesaid, do certify that Frank M. Foley, whose name is signed to the writing above, bearing date the _____ day of _____, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3 day of March, 1981.

My term of office expires on the 14 day of March, 1983.

[NOTARIAL SEAL]


Notary Public
Sharon Parrott

03/29/2024

DATE 3/9/81, 1981

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

Operator's Well No. Armand #3, M-1
API Well No. 47 - 083 - 0303
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE RESERVOIR WELL

NGPA Section 102(c)(1)(C) Category 4

DESIGNATED AGENT Paul Bowles
Bowles, McDavid, Graff & Love
ADDRESS Box 1386
Charleston, West VA 25325

WELL OPERATOR FME Oil & Gas Properties LOCATION: Elevation 2298'

ADDRESS 537 Springvale Road
Great Falls, VA 22066

Watershed Devil's Run
Dist. Roaring Creek District Quad. RAN SAGO 7 1/2"

GAS PURCHASER Columbia Gas Trans Corp
ADDRESS 1700 MacCorkle Ave SE
Charleston, West VA 25314

Gas Purchase Contract No. AP 25128 WV
Meter Chart Code _____
Date of Contract 11/7/80

* * * * *

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

Well Records
Office of Oil & Gas and their computer analysis

Describe the search made of any records listed above:

Well records for scanned for productive horizon and date of commercial production commencement.