



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP 8 1972-CEN

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 September 6, 1972

Surface Owner Nellie Engelke

Company Resource Exploration, Inc.

Address Court St., Glenville, West Virginia
26351

Address Suite 400-1600 Fairfield Ave. Shreveport

Mineral Owner same

Farm Nellie Engelke Acres 36.5 LA 71101

Address _____

Location (waters) Island Run of Little Kanawha River

Coal Owner none

Well No. Engelke #1-C Elevation 949.2'

Address _____

District Spring Creek County Wirt

Coal Operator none

Quadrangle Spencer

Address _____

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 1-14-73

Deputy Director - Oil & Gas Division

Fred
INSPECTOR TO BE NOTIFIED Burdette
Sissonville, W.Va. PH: 984-9263

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 September 6, 1971 by Nellie Engelke made to Colonial Gas Company and recorded on the 8th day of September 1971 in Wirt County, Book 136 Page 439

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 operators 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, Resource Exploration, Inc.

(Sign Name) By William Bruster, Vice President
Well Operator

Address
of
Well Operator

P. O. Box 149
Street
Dennison,
City or Town
Ohio 44621
State
01/26/2024

*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.

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glenn L. Haught & Sons _____ NAME Warren Haught _____
 ADDRESS Smithville, West Virginia _____ ADDRESS Smithville, West Virginia _____
 TELEPHONE 304-477-2222 _____ TELEPHONE 304-477-2222 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2000 _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8		200	To Surface
7			
5 1/2			
4 1/2		2000	175 cu. ft.
3			Perf. Top 1940
2		1940	Perf. Bottom 1950
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100-150 FEET _____ SALT WATER ^{not} ~~known~~ FEET _____
 APPROXIMATE COAL DEPTHS none _____
 IS COAL BEING MINED IN THE AREA? no _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

01/26/2024

 For Coal Company

 Official Title
BLANKET BOND



RECEIVED

JAN 10 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Spencer

Permit No. Wirt 600

Company <u>Resource Exploration, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 149, Dennison, Ohio 44621</u>				
Farm <u>Nellie Engelke</u> Acres <u>36.5</u>				
Location (waters) <u>Island Run of Little Kanawha</u>	Size			
Well No. <u>Engelke # 1-c</u> Elev. <u>949</u>	20-16			
District <u>Spring Creek</u> County <u>Wirt</u>	Cond.			
The surface of tract is owned in fee by _____	13-10"			
<u>Nellie Engelke</u>	9 5/8			
Address <u>Court St., Glenville, W.Va. 26351</u>	8 5/8	206'	206'	75
Mineral rights are owned by <u>Same</u>	7			
_____ Address _____	5 1/2			
Drilling Commenced <u>9/16/72</u>	4 1/2	2042	2042	174
Drilling Completed <u>9/18/72</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production <u>79 M</u> cu. ft. per day _____ bbls.	Liners Used			
Well open <u>2</u> hrs. before test <u>450</u> RP.				

Well treatment details:

Attach copy of cementing record.

Fraced with 30,000# 20/40 sand 750 Bbl water

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1942-1977

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		
Sand, shale, red rock			5	1400		
Shale			1400	1568		
Sand, salt			1568	1724		
Lime			1724	1918		
Keener sand			1918	1942		
Big Injun			1942	1977	Gas	
Shale			1977	2037	TD	

01/26/2024

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
						Spencer
						White
						Resource Exploration, Inc. Fox Hill, Donelson, Ohio 44621 36.2 Helix Helix I Island Run of Little Kanawha Helix Helix Spring Creek Helix Helix Court, Rt. 1, Glenville, W.Va. 26021 Same
						2/18/72 2/18/72
						78 x 2 450
						Traced with 30,000% sand - 75% HPI water
						Big Injun
						Clay Sand, shale, red rock Shale Sand, salt Lime Keener sand Big Injun Shale
						Gas TD

01/26/2024

Date January 9, 19 73

APPROVED By Wilburn Bruster, Resource Exploration, Inc., Owner

By Wilburn Bruster, Vice President
(Title)

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

RECEIVED

SEP 25 1972

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WIRT-600

Oil or Gas Well Gas
(KIND)

Company <u>Resources Exploration Inc.</u> <u>Suite 400-1600 Fairfield Ave.</u> Address <u>Shreveport, LA. 7110 1</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Farm <u>Nellie Englake</u>	Size			Kind of Packer
Well No. _____	16			Size of
District <u>Spring Creek</u> County <u>Wirt</u>	13			Depth set
Drilling commenced <u>9/15/72</u>	10			Perf. top
Drilling completed _____ Total depth _____	8 1/4			Perf. bottom
Date shot _____ Depth of shot _____	6 5/8			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	5 3/16			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	3			Liners Used
Volume _____ Cu. Ft.	2			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:

Drilling at 1681 ft. Warren Haight Rotary drilling contractor.

9/18/72

DATE

Fred Burdette

DISTRICT WELL INSPECTOR
01/26/2024

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

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELLS INSPECTOR
01/26/2024

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

RECEIVED
APR 10 1964

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 105-0600

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Natural Gas Development Co.</u>	Size			
Address <u>Maryland</u>	16			Kind of Packer _____
Farm <u>Nellie Engelke</u>	13			
Well No. <u>Engelke 1-C</u>	10			Size of _____
District <u>Spring Creek</u> County <u>Wirt</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

4/2/84
 Drillers' Names Status Report Larry Arthur, Well Tender wanted
 Remarks: Inspection made because of Suit by Alvin Engelke, land owner.
Well was released 2/13/73. This well needs c. D. Log,
and road graded & ditched. Some grading needs to be done
on pit area and in Switch Back on road.
also seed & mulch where grading is done.

4/2/84
DATE

Homer H. Pugh
DISTRICT WELL INSPECTOR
01/26/2024

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

RECEIVED

FEB 15 1973

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WIRT-600

Oil or Gas Well Gas
(KIND)

Company <u>Resource Exploration, Inc.</u> Address <u>400-1600 Fairfield Ave.</u> <u>Shreveport, La.</u> Farm <u>Nellie Engelke</u> Well No. <u>Engelke 1-C</u> District <u>Spring Creek</u> County <u>Wirt</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Wa _____ Open flow after tubing _____ /10ths Me _____ Volume _____ Rock pressure _____ lbs. _____ Oil _____ b _____ Fresh water _____ feet _____ Salt water _____ feet _____	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____ Size of _____ Depth set _____
	16			
	13			
	10			
	8 1/4			
	6 5/8			
	5 3/16			

SENDER: Be sure to follow instructions on other side

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S)
(Additional charges required for these services)

Show to whom, date and address where delivered Deliver ONLY to addressee

RECEIPT

Received the numbered article described below

REGISTERED NO.	SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
CERTIFIED NO. 39674	<i>William Brewster</i>
INSURED NO.	<i>Resource Exp. Co. Box 149</i>
DATE DELIVERED <i>9/12/72</i>	SIGNATURE OF ADDRESSEE'S AGENT, IF ANY
	<i>Donna Sewell / sec.</i>
	SHOW WHERE DELIVERED (Only if requested, and include ZIP Code)

Drillers' Names _____

Remarks:

Final inspection has been made for bond release.

2-15-73

2/13/73
DATE

Fred [Signature]
DISTRICT INSPECTOR
01/26/2024



State of West Virginia

**Department of Mines
Oil and Gas Division
Charleston 25305**

February 15, 1973

**Resource Exploration, Inc.
P. O. Box 149
Dennison, Ohio 44621**

In Re: Permit No. WIRT-600
Farm Nellie Engelke
Well No. Engelke # 5-C
District Spring Creek
County Wirt

Gentlemen:

The final inspection report for the well which is described above has been received in this office. Only the column checked below applies.

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

_____ Please return the enclosed cancelled 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.

Very truly yours,

Deputy Director
Oil and Gas Division

RLD/cc
Enclosure:

01/26/2024

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-105-0600</u>																											
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>108</u> Section of NGPA	_____ Category Code																										
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet																											
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;"> <u>NATURAL GAS DEVELOPMENT CORPORATION</u> <small>Seller Code</small> </td> </tr> <tr> <td colspan="4"> Name <u>5400 Pooks Hill Rd. # 233</u> </td> </tr> <tr> <td colspan="2"> Street <u>Bethesda</u> </td> <td colspan="2"> Md <u>20014</u> </td> </tr> <tr> <td colspan="2"> City _____ </td> <td colspan="2"> State _____ Zip Code _____ </td> </tr> </table>				<u>NATURAL GAS DEVELOPMENT CORPORATION</u> <small>Seller Code</small>				Name <u>5400 Pooks Hill Rd. # 233</u>				Street <u>Bethesda</u>		Md <u>20014</u>		City _____		State _____ Zip Code _____									
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Street <u>Bethesda</u>		Md <u>20014</u>																										
City _____		State _____ Zip Code _____																										
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;"> <u>CRESTON FIELD</u> Field Name </td> </tr> <tr> <td colspan="2"> County <u>Wirt</u> </td> <td colspan="2"> State <u>W. Va.</u> </td> </tr> </table>				<u>CRESTON FIELD</u> Field Name				County <u>Wirt</u>		State <u>W. Va.</u>																	
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(b) For OCS wells:	<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2"> Area Name _____ </td> <td colspan="2"> Block Number _____ </td> </tr> <tr> <td colspan="4" style="text-align: center;"> Date of Lease: </td> </tr> <tr> <td colspan="3" style="text-align: center;"> <table style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> </tr> <tr> <td style="font-size: 8px;">Mo.</td> <td style="font-size: 8px;">Day</td> <td style="font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table> </td> <td colspan="1"> OCS Lease Number _____ </td> </tr> </table>				Area Name _____		Block Number _____		Date of Lease:				<table style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> </tr> <tr> <td style="font-size: 8px;">Mo.</td> <td style="font-size: 8px;">Day</td> <td style="font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>									Mo.	Day	Yr.				OCS Lease Number _____
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Mo.	Day	Yr.																										
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>ENGELKE 1 C WIR 600</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.)	<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;"> <u>CONSOLIDATED GAS SUPPLY COMPANY</u> <small>Name</small> </td> <td style="text-align: center;"> <u>004228</u> <small>Buyer Code</small> </td> </tr> </table>				<u>CONSOLIDATED GAS SUPPLY COMPANY</u> <small>Name</small>			<u>004228</u> <small>Buyer Code</small>																				
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(b) Date of the contract:	<table style="margin: auto;"> <tr> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> <td style="border: 1px solid black; width: 10px; height: 10px;"></td> </tr> <tr> <td style="font-size: 8px;">Mo.</td> <td style="font-size: 8px;">Day</td> <td style="font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>										Mo.	Day	Yr.															
Mo.	Day	Yr.																										
(c) Estimated annual production:	<u>7</u> MMcf.																											
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(c) 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.)	<u>2.224</u>	_____	_____	<u>2.224</u>																								
9.0 Person responsible for this application:	<table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <u>RODNEY ROSE</u> </td> <td colspan="2" style="text-align: center;"> <u>President</u> <small>Title</small> </td> </tr> <tr> <td colspan="4"> Name <u>NATURAL GAS DEVELOPMENT CORPORATION</u> </td> </tr> <tr> <td colspan="4"> Signature <u>Rodney Rose</u> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <u>12-1-78</u> <small>Date Application is Completed</small> </td> <td colspan="2" style="text-align: center;"> <u>301) 530-2702</u> <small>Phone Number</small> </td> </tr> </table>				<u>RODNEY ROSE</u>		<u>President</u> <small>Title</small>		Name <u>NATURAL GAS DEVELOPMENT CORPORATION</u>				Signature <u>Rodney Rose</u>				<u>12-1-78</u> <small>Date Application is Completed</small>		<u>301) 530-2702</u> <small>Phone Number</small>									
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01/26/2024

PARTICIPANTS:

DATE: MAY 21, 1979

BUYER-SELLER CODE

WELL OPERATOR: Natural Gas Devel. Corp.

030590

FIRST PURCHASER: Consolidated Gas Supply Com.

004228

OTHER: _____

*O.K. 108 well
Rount & Ed*

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

781215-108-105-0600

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. _____
 - 2 IV-1 - Agent _____
 - 3 IV-2 - Well Permit _____
 - 4 IV-6 - Well Plat _____
 - 5 IV-35- Well Record Drilling _____ Deepening _____
none-taken
 - 6 IV-36- Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
 - 7 IV-39- Annual Production 2 years
 - 8 IV-40- 90 day Production Days off Line: None
 - 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: 9-16-72
Date Completed: 9-18-72 Deepened _____
 - (5) Production Depth: 1942-1977
 - (5) Production Formation: Big Injun
 - (5) Initial Potential: None given; FOF: 79 MCFD
 - (5) Static R.P. Initially: 450
 - (6) Other Gas Test: _____
 - (7) Avg. Daily Gas from Annual Production: 4.6 MCFD; no oil '78
 - (8) Avg. Daily Gas from 90-day ending w/1-120 days 4.3 MCFD; no oil
 - (8) Line Pressure: 20 PSIG from Daily Report
 - (5) Oil Production: No 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? _____
- Additional Information _____ Does computer program confirm? _____
- Was Determination Objected to? _____ By Whom? _____

01/26/2024

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

Date Dec. 1 1978

Operator's Well No ENGELKE 1C
API Well No. 47 - 105 - 0600
State County Perm:

WELL CLASSIFICATION FORM

STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT HAYS & COMPANY
ADDRESS Box 590
Spencer, W.V. 25276

WELL OPERATOR NATURAL GAS DEVELOPMENT CORP. LOCATION: Elevation 949'
ADDRESS 5400 Pooks Hill Rd. #233 Watershed Island Run of Little Kanawha
Bethesda, Md. 20014 Dist Spring Creek Wirt Quad Spencer
GAS PURCHASER CONSOLIDATED GAS SUPPLY CO. Gas Purchase Contract No. 3595
ADDRESS 45 West Main Street Meter Chart Code 1357
Clarksburg, W.V. 26301 Date of Contract 12-6-72

* * * * *

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

Pump, Separator , Tanks, Pipelines and Valves.

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: (See Operator's Address Above)

- B & O Tax Records
- Royalty Payments Records
- Meter Production Records
- Purchaser's Monthly Summary Statements.

01/26/2024

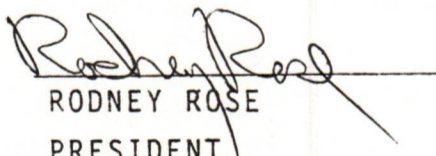
Describe the search made of any records listed above

Persuant to S 274.206 FERC REGULATIONS OF THE NATURAL GAS ACT OF 1978, I have made a dilligent search of all records which are reasonably - available and contain information relevant to the determination; and in conclusion from production and sales data including B&O Tax Records, Royalty Payment Records, Meter Production Records and Purchaser's Monthly Summary Statements, on file in this Office, I beleive in good faith that such natural gas is eligible under the NGPA and above referenced subchapte for a maximum lawful price not less than that to be collected; and to the best of my information, knowledge and belief, each well qualifies as a stripper well; and that I have no knowledge of any other information which is inconsistant with my conclusion.

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

AFFIDAVIT

I, RODNEY ROSE, 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 certification is sought qualifies as a stripper well.


RODNEY ROSE

PRESIDENT
NATURAL GAS DEVELOPMENT CORP.

STATE OF MARYLAND

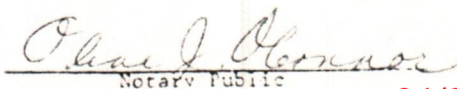
COUNTY OF MONTGOMERY, TO WIT:

OLIVE J. O'CONNOR, a Notary Public in and for the state and county aforesaid,

do certify that RODNEY ROSE, whose name is signed to the writing above, bearing date the 1st day of December, 1978, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 20th day of February, 1979.

My term of office expires on the 1st day of July, 1982.


Notary Public

01/26/2024

[NOTARIAL SEAL]

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

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

1 Operator / Owner Natural Gas Development Corporation
Address 5400 Pooks Hill Road Suite #233
Bethesda, Maryland 20014

Pursuant to the provisions of Code § 22-4-1k, and subject to the requirements of Regulation 1, the undersigned hereby designates the following person to be the agent of the undersigned for the purpose of receiving process, notices, orders and other communications which may be issued under Chapter of the Code of West Virginia:

Designated Agent HAYS AND COMPANY
Address PO Box 590
SPENCER, WV 25276
Telephone 304-927-2650

The undersigned represents that said designated agent is a bona fide resident of the State of West Virginia, and has agreed to accept the designation. This designation applies to the following well all wells owned or operated by the undersigned in West Virginia
 the wells listed below (Use space below or reverse side or attach list)

COMPLETE AS APPLICABLE]

The undersigned is hereby recording an existing designation of agent made prior to the initial adoption of Form IV-1.

The undersigned is proposing to own or operate wells in West Virginia for the first time, so that this designation should also be considered the registration by the undersigned with the Deputy Director.

The undersigned has owned and operated a well or wells in West Virginia since the year 19___, but has not heretofore appointed a designated agent.

This designation substitutes a new designated agent for the undersigned, who has owned or operated a well or wells in West Virginia since the year 19___. The present designated agent of the undersigned, who will continue as such, if he is able, until this new designation has been approved, is--

Agent being replaced _____
Address _____

Natural Gas Development Corporation
Well Owner or Operator
By: Rodney Rose
Its: President 01/26/2024

ACCEPTED this 1st Day of December 19 78
HAYS AND COMPANY, AGENT

(Signature of designated agent)
GEORGE GAINER
I, George Gainer, subscribed and sworn to before me this 16 day of Feb., 19 79.
Notary Public Norma Cooper My commission expires March 29, 19 81

The owner or operator must be a responsible officer of the corporation, trustee, individual or legal authorized representative of owner of the well(s).

IV-39-MC

STATE OF WEST VIRGINIA
DEPARTMENT - MINES
DIVISION - OIL AND GAS
Natural Gas Development Corporation OPERATOR

ANNUAL REPORT OF MONTHLY PRODUCTION-1977
GAS VOLUMES IN MFC @ 14.73
OIL IN DARRELLS @ 60 DEGREES
10 1 18

REPORT NO. CGC/10121
CURRENT DATE - 12/31
REPORT DATE - 12/31

01/26/2024

API 471050600 FARM 1 ENGELKE #1 C	COUNTRY WIRT		AVG. FLOW PRESSURE		SHUT-IN PRESSURE		TOTALS
	1977	1978	1977	1978	1977	1978	
GAS MFC	128	103	304	20	48	80	123 GAS
OIL BBL	J-0	F-0	M-0	J-0	A-0	S-0	0 OIL
DAYS ONLINE	28	29	28	35	28	35	

GAS MFC	COUNTRY WIRT		AVG. FLOW PRESSURE		SHUT-IN PRESSURE		TOTALS
	1977	1978	1977	1978	1977	1978	
OIL BBL	J-0	F-0	M-0	J-0	A-0	S-0	0 OIL
DAYS ONLINE	28	28	28	35	28	35	

WIRT-0600

SUMMARIZATION SCHEDULE
Section 271. 804 (b)

In accordance with Section 271.804(b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

- API NUMBERS
- 45-105-0583
 - 45-105-0584
 - 45-105-0585
 - 45-105-0586
 - 45-105-0588

