



WELL RECORD, FORM OG-10, MUST BE SUBMITTED TO OBTAIN RELEASE OF WELL UNDER BOND.

RECEIVED

OCT 26 1971
11/2/71 CEN

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

OIL & GAS DIVISION
DEPT. OF MINES

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

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

_____	<u>Colonial Gas Company</u>
COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR
_____	<u>1025 Charleston National Plaza</u>
ADDRESS	Chas. W. Va. <u>25301</u>
_____	COMPLETE ADDRESS
COAL OPERATOR OR COAL OWNER	<u>October 22,</u> 19 <u>71</u>
ADDRESS	PROPOSED LOCATION
_____	<u>Springcreek</u> District
OWNER OF MINERAL RIGHTS	<u>Wirt</u> County
ADDRESS	Well No. <u>#1</u>

GENTLEMEN:

Nellie Engelke Farm
Elevation 734715678 Acres 36.573

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 9-8-71, made by Nellie Engelke, to Colonial Gas Company, and recorded on the 8th day of Sept. 1971, in the office of the County Clerk for said County in Book 136, page 439.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

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,

(Sign Name)

Colonial Gas Company

WELL OPERATOR

1025 Charleston National Plaza

STREET

Charleston

CITY OR TOWN

West Virginia, 25301

STATE

01/26/2024

WELL DRILLING PERMIT
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 drilling is not commenced by February 26, 1972 (Rev.) 3-26-72 Exp.

Deputy Director—Oil & Gas Division

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

Wir-585-Per. PERMIT NUMBER

BOND DRILL

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

PROPOSED WORK ORDER TO: DRILL X DEEPEN FRACTURE WELL

WELL OPERATOR
NAME Colonial Gas Company

RESPONSIBLE AGENT:
NAME C. A. Kniffin

ADDRESS 1025 Charleston Natl. Plaza

ADDRESS 1025 Charleston Natl. Plaza

TELEPHONE 346-9689

TELEPHONE 346-9689

DRILLING CONTRACTOR: (IF KNOWN)
NAME United Drilling & Well Service

LAND OWNER:
NAME Nellie Engelke

TELEPHONE 344-4911

TELEPHONE none

ESTIMATED DEPTH OF COMPLETED WELL: 1900 ft.

ROTARY X

PROPOSED GEOLOGICAL FORMATION: Big Injun

CABLE TOOLS _____

TYPE OF WELL: OIL _____ GAS _____ COMB. X STORAGE _____ DISPOSAL _____

TYPE WASTE _____ RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING	CEMENT TO BE USED	FOR DRILLING	TO BE LEFT
20	_____	_____	_____
16	_____	_____	_____
13 3/8	_____	_____	_____
11 3/4	_____	_____	_____
10 3/4	_____	_____	_____
9 5/8	_____	_____	_____
8 5/8	<u>200 ft.</u>	_____	<u>200 ft.</u>
7	_____	_____	_____
5 1/2	_____	_____	_____
4 1/2	<u>180 sacks</u>	_____	<u>2000 ft.</u>
3 1/2	_____	_____	_____
2 3/8	<u>none</u>	_____	<u>2000 ft.</u>
LINERS USED	_____	_____	_____

APPROXIMATE DEPTHS OF EXPECTED POTABLE WATER STRATA 100 , 150 , _____ , _____

APPROXIMATE DEPTHS OF EXPECTED WORKABLE COAL SEAMS? _____ , _____ , _____

IS COAL BEING MINED IN THE AREA? _____

WAIVER: I the undersigned, Agent for _____ Coal Company, owner or operator of the coal under this lease have examined and placed 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.

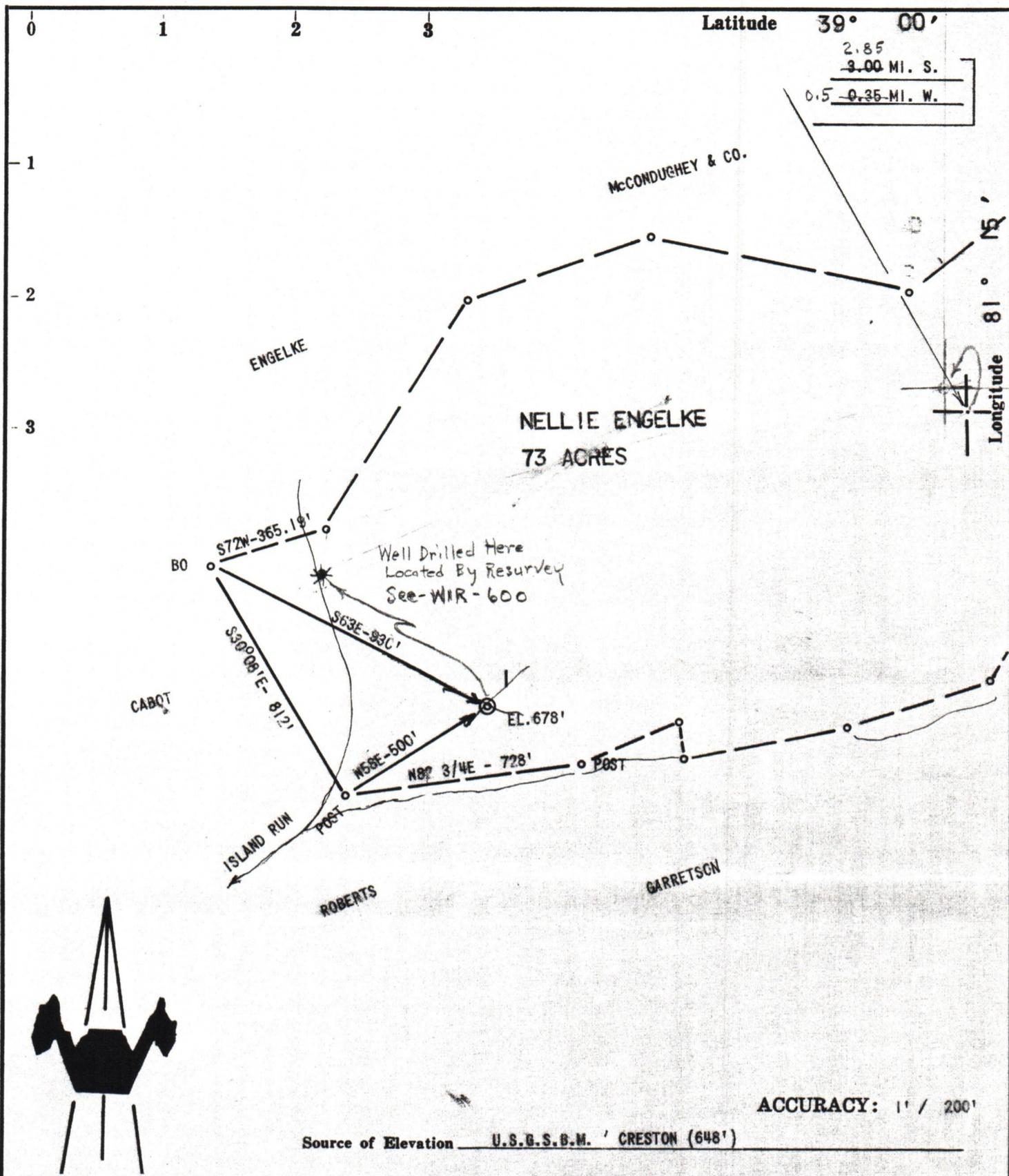
For Coal Company

01/26/2024

Official Title

1000 DEPT

11/26/71 CEN



ACCURACY: 1" / 200'

Source of Elevation U.S.G.S.B.M. 'CRESTON (648')

- New Location REVISED 10/24/71
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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 COLONIAL GAS COMPANY
 Address CHARLESTON, W. VA.
 Farm NELLIE ENGELKE
 Tract _____ Acres 73 Lease No. _____
 Well (Farm) No. 1 (REVISED) Serial No. _____
 Elevation (Spirit Level) 678'
 Quadrangle SPENCER
 County WIRT District SPRING CREEK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 71003-450 Drawing No. _____
 Date 10/24/71 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. WIR-585 REVISED

01/26/2024

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 5

October 26, 1971

COLONIAL GAS COMPANY
1025 Charleston National Plaza
Charleston, West Virginia 25301

In Re: Permit No. WIR-585
Farm Hollie Engelke
Well No. 1
District Spring Creek
County Wirt

Gentlemen:

Enclosed is the permit for drilling the above described well.

Please post the permit at the well site and send two copies of the well record to this office, within 90 days, when the well has been completed.

Very truly yours,

Deputy Director
Oil and Gas Division

RD/EE

Enclosures:

cc: West Virginia Geological & Economic Survey

cc- Mr. Fred Burdette, Sissonville, W. Va. 25185 PH: 984-9263

bc- Mr. J. F. Bedell, Jr., Deputy Securities Commissioner

file

01/26/2024

From the Desk of .

A-10
WANDA SHAMBLIN

November 23, 1971

Lois:

The well location was moved so
I'm sending you a revised
plat.

Colonial Gas Company

RECEIVED

NOV 26 1971

OIL & GAS DIVISION
DEPT. OF MINES

From the Desk of . . .

WANDA SHAMBLIN

November 23, 1971

Dear:

The well location was moved so
I'm sending you a revised
plot.

Continental Gas Company

RECEIVED

NOV 23 1971

Continental Gas Company

100

20

A-12

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JUN 29 1972

OIL & GAS DIVISION
DEPT. OF MINES



HOLLY NESTER
MILLSTONE, WEST VIRGINIA 25261

No. 1017
INVOICE
AND
SERVICE RECORD

DATE 11-24-71	PERMIT NO.	TRUCK CALLED DATE 11-24 TIME 4:00	ON LOCATION DATE 11-24 TIME 7:30	JOB STARTED DATE 11-24 TIME 9:00	JOB COMPLETED DATE 11-24 TIME 4:00
WELL NUMBER 1	FARM Engelke	COUNTY Wirt		STATE W. Va.	
WELL OWNER		CONTRACTOR United Drilling Co			

CHARGE TO: Colonial Gas Co
 MAKING ADDRESS: 1025 CHAS NAT'L PLAZA, CHARLESTON, W. VA.
 CITY: STATE:

TYPE OF JOB	SURFACE	INTERMEDIATE	PRODUCTION	PLUG BACK	PUMPING	JELLING	OTHER
	SIZE 4 1/2	WEIGHT 9-50	TYPE J-55	DEPTH 1735	NEW	USED X	OTHER
HOLE DATA	SIZE 6 3/4	ROTARY 11	CABLE TOOL	DEPTH 1744	WET X	DRY	CONDITION New well
EQUIPMENT DATA	FLOAT SHOE X	FLOAT COLLAR	GUIDE SHOE	REG. SHOE	CENTRALIZERS 3	MAKE	OTHER
CEMENT DATA	BULK 7000	SACKS	TYPE BLOCK	BRAND Col	% AQUAGEL 2	OTHER ADMIX	SLURRY WEIGHT 14-8
MUD DATA	AQUAGEL	% OF MIX Mud	ADMIX	BAROID	WEIGHT	VISCOSITY	OTHER

OTHER INFORMATION:

The owner, operator or his agent, submits the information above and states that this well is in condition of the job to be performed. Ready Cementing does hereby lease to the above named company certain oil and gas well cementing equipment, and does further agree to furnish service men to deliver and operate said equipment, subject however, to the direct supervision and control of the well owner or his agent. It is further understood and agreed that Ready Cementing shall not be liable or responsible for any unsuccessful results, injury, damage, loss, or incompleteness of operator to said well arising from the use of such cementing, equipment, or for the acts of any person engaged in doing such work on the above described well. A mechanic's lien is hereby acknowledged on above well and equipment to secure the amount for materials and services performed thereon.

SIGNED WELL OWNER: Colonial Gas Co
 HIS AGENT: Duke R. G. [Signature]
 THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS STARTED. DATE: 11-24-71

COMPLETION DATA

INVOICE SECTION

CEMENT LEFT IN CASING	Float	FT.
CASING CEMENTED APPROX.	500	FT.
MEASURED WITH STEEL LINE?		
COMPLETION PRESSURE	200	
MAXIMUM PRESSURE	550	
CIRCULATING PRESSURE	85	
TOP PLUGS	Yes	TYPE Rubber
BOTTOM PLUGS		TYPE
TYPE HEAD	Plug container	
REMARKS:		

SERVICE CHARGE		350.00
70 CEMENT @ 2.25		157.50
AQUAGEL @		
BAROID @		
3 CENTRALIZERS @ 15.00 Ea		45.00
FLOAT COLLAR @		
1-4 1/2" FLOAT SHOE @		40.00
GUIDE SHOE @		
REGULAR SHOE @		
PLUG @		
MILES @		

UNIT NUMBER	CEMENTER	HELPER	HELPER
	Harvey Wilson	Schoolcraft	

TAX EXEMPT EXEMPTION NO. YES NO
 WELL FILE

SUB-TOTAL	592.50
SALES TAX	7.28
TOTAL	599.78

TERMS: 60 DAYS NET OR 2% CASH DISCOUNT WILL BE ALLOWED IF PAID ON OR BEFORE THE 20TH OF THE MONTH FOLLOWING DATE OF INVOICE. LEGAL INTEREST CHARGED THEREAFTER.

Win 585

01/26/2024



RECEIVED

JUN 29 1972

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Spencer

Permit No. WIR- 585

WELL RECORD

Oil or Gas Well Comb NOLL
(KIND)

Company Colonial Gas Company
Address 1025 Charleston National Plaza
Farm Nellie Engelke Acres 31.5
Location (waters) Island Run
Well No. 1 Nellie Engelke Elev. 7031
District Spring Creek County Wirt
The surface of tract is owned in fee by Nellie Engelke
Address Glenville, W. Va.
Mineral rights are owned by same
Address _____
Drilling commenced 10/26/71
Drilling completed 11/24/71
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
<u>8 5/8</u>	<u>200'</u>	<u>200'</u>	<u>Surface</u>
6 3/8			Depth set
5 3/16			
4 1/2	<u>1742</u>	<u>1742</u>	<u>70 SKS.</u>
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow 2,500,000 /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 30 bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) Fraced with 30,000 # 20-40 sd, 600 bbls. water

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1676- 1716

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	5			
Sand, shale & Red Rock			5	1300			
Shaley sand			1300	1385			
Shale			1385	1406			
Sand, Salt			1406	1525	1406		
Shale, lime			1525	1590			
Big lime			1590	1633	1590		
Keener Sand			1633	1670	1633		
Big Injun			1670	1739	1670		Gas & Oil
Total Dp.				1742			

01/26/2024

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

RECEIVED
NOV 10 1971

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

Permit No. WIR-585

Oil or Gas Well Gas
(KIND)

Company <u>Colonial Gas Co.</u> Address <u>1025 Chas Nat. Plaza Charleston, W. Va</u> Farm <u>Nellie Engelke</u> Well No. <u>1</u> District <u>Spring Creek</u> County <u>Wirt</u> Drilling commenced <u>10/29/71</u> Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
	16			
	13			
	10			Size of _____
	8 1/4 <u>8 5/8</u>	<u>204</u>		Depth set _____
	6 5/8			
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used _____			Perf. top _____
				Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
NAME OF SERVICE COMPANY _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks:
Drilling at 1265 ft. United Drilling & Well Service Drilling Contractor.

11/4/71
DATE

Fred B. Burdette
DISTRICT WELL INSPECTOR
01/26/2024

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

RECEIVED

APR 10 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 105-0585

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>Killie Engelke</u>	13			
Well No. <u>1-A</u>	10			Size of _____
District <u>Spring Creek</u> County <u>West</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 Fender

Remarks: inspection made because Landowner, Alvin Engelke has brought suit against Natural Gas Development Co. Well was released in 2/15/73 but needs cl. D. Log. Swampy Area around well. Told Mr. Arthur about using perforated plastic pipe to Drain Swampy Area.

4/2/84
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

04/26/2024

B-11

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-585

Oil or Gas Well Gas
(KIND)

Company Colonial Gas Company
 Address 400-1600 Fairfield Ave.
Shreveport, La.
 Farm Nellie Engelke
 Well No. 1
 District Spring Creek County Wirt
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer _____
16			
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks:

Final inspection has been made for bond release.

2-15-73

2/13/73
DATE

Fred Bugh
DISTRICT WELL SUPERVISOR
01/26/2024



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

February 15, 1973

Colonial Gas Company
1025 Charleston National Plaza
Charleston, W. Va 25301

In Re: Permit No. WIR-585
Farm Nellie Engelke
Well No. 1 Nellie Engelke
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.

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

 X 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: 1 Bond

~~XXXXXX~~ P.S. Mailed to Fidelity & Deposit Company
cc: Chancellor Insurance Agency, Inc.
Resource Exploration Co., Alfred D. Brown

01/26/2024

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-105-0585</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.)	<u>NATURAL GAS DEVELOPMENT CORPORATION</u> Seller Code Name <u>5400 Pooks Hill Rd. # 233</u> Street <u>Bethesda</u> <u>Md</u> <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.)	<u>ENGELKE 1A</u> Field Name County <u>Wirt</u> <u>W. Va.</u> 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>ENGELKE 1A WIR 585</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 COMPANY</u> <u>004228</u> Name Buyer Code															
(b) Date of the contract:	<u>1, 1, 16 71</u> Mo. Day Yr.															
(c) Estimated annual production:	<u>7</u> MMcf.															
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;"></th> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">-.6585</td> <td style="text-align: center;">-.-.-.-</td> <td style="text-align: center;">-.-.-.-</td> <td style="text-align: center;">-.6585</td> </tr> <tr> <td style="vertical-align: top;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">2.224-</td> <td style="text-align: center;">-.-.-.-</td> <td style="text-align: center;">-.-.-.-</td> <td style="text-align: center;">2.224-</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.)	-.6585	-.-.-.-	-.-.-.-	-.6585	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.224-	-.-.-.-	-.-.-.-	2.224-
	(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.)	-.6585	-.-.-.-	-.-.-.-	-.6585												
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.224-	-.-.-.-	-.-.-.-	2.224-												
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	_____															
9.0 Person responsible for this application:	<u>RODNEY ROSE</u> <u>President</u> Name <u>NATURAL GAS DEVELOPMENT CORPORATION</u> Signature <u>Rodney Rose</u> Date Application is Completed <u>12-1-78</u> <u>301) 530-2702</u> Phone Number															

Agency Use Only
Date Received by Juris. Agency <u>DEC 1 1978</u>
Date Received by FERC <u>GAS DIVISION</u>

01/26/2024

WELL DETERMINATION REPORT

PARTICIPANTS:

DATE: MAY 21, 1979

BUYER-SELLER CODE

WELL OPERATOR: Natural Gas Development Corp.

030590

FIRST PURCHASER: Consolidated Gas Supply Company

004228

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
781215-108-105-0585
 Use Above File Number on all Communications
 Relating to Determination of this Well

O.K., 108, well
[Signature]

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 _____
- 6 IV-36- Gas-Oil Test: Gas Only None-taken 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: 10-26-71
Date Completed: 11-24-71 Deepened _____
- (5) Production Depth: 1676-1716
- (5) Production Formation: Big Injun
- (5) Initial Potential: 2500 MCFD
- (5) Static R.P. Initially: none given
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: 19.6 MCFD; .08 bbl/day '78
- (8) Avg. Daily Gas from 90-day ending w/1-120 days 20.9 MCFD; .98 bbl/day
- (8) Line Pressure: 20 PSIG from Daily Report
- (5) Oil Production: Yes From Completion Report 30 bbl. 1st 24 hrs. @ 1670
- (10-17) Does lease inventory indicate enhanced recovery being done: No
- (10-17) Is affidavit signed? Notarized?

01/26/2024

Does official well record with the Department confirm the submitted information? _____

Additional Information _____ Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? _____

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

Date Dec. 1, 1978

Operator's Well No. ENGELKE 1 A

API Well No. 47 - 105 - 0585
State County Permit

Previous File No. WIR-585
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR NATURAL GAS DEVELOPMENT CORP. DESIGNATED AGENT HAYS & COMPANY
ADDRESS 5400 Pooks Hill Rd. #233 ADDRESS BOX 590
Bethesda, Md. 20014 SPENCER, W. Va.

Gas Purchase Contract No. 3595 and Date 12-6-72
(Month, day and year)

Meter Chart Code 1357

Name of First Purchaser CONSOLIDATED GAS SUPPLY COMPANY
45 West Main Street
Clarksburg, W. Va. 26301
(City) (State) (Zip Code)

FERC Seller Code 030590 FERC Buyer Code 004228

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 108 Category Code -
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

RODNEY ROSE PRESIDENT
Name (Print) Title

Signature
5400 Pooks Hill Rd. #233
Street or P. O. Box
Bethesda, Md. 20014
City State (Zip Code)
301 530-2702
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)
SEE ATTACHED CERTIFICATION

(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 108 under the Natural Gas Policy Act of 1975 (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 21 day of May, 1979, 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. 7812151081050595

Initial review of information submitted indicates the well 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

12/15/78
Date received by
Jurisdictional Agency

Director 01/26/2024
By Robert F. [Signature]
Title

Date Dec. 1 1978

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

Operator's Well No. ENGELKE 1A
API Well No. 47 - 105 - 0585
State County Permit

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 734'
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 subchapt 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

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.

Olive J. O'Connor

Notary Public

[NOTARIAL SEAL]

01/26/2024



State of West Virginia

Office of Oil and Gas

Charleston 25305

DESIGNATED AGENT Natural Gas Development Corp. Hays & Company, Agent	PURCHASER Consolidated Gas Supply	FILING DATE		NGPA SEC.	CO. CODE	PERMIT NO.
		YR	MO			
PURCHASER IDENTIFICATION NUMBER CONTRACT NO. <u>3595</u> METER CHART <u>1357</u>	OPERATOR'S WELL NAME OR NUMBER <u>Engelbe # 1A</u> PERC CONTROL NO. <u>79-7560</u>	5-21-79		DATE OF ISSUE 7-23-79		
		EFFECTIVE DATE				

BY THE AUTHORITY INVESTED IN ME BY THE STATE OF WEST VIRGINIA, I HEREBY CERTIFY THIS WELL TO HAVE MET THE REQUIREMENTS OF CHAPTER 22, ARTICLE 4, SECTION 1 d (11) OF THE WEST VIRGINIA CODE OF 1931, AS AMENDED AND THE NATURAL GAS POLICY ACT OF 1978, TO BE CERTIFIED AS A 108 SECTION Stripper Well DESCRIPTION.

THIS CERTIFICATE IS ISSUED AS AN ORIGINAL AND IS SUBJECT TO SURRENDER UPON LAWFUL DEMAND BY THIS AGENCY.

ROBERT E. DODD
ADMINISTRATOR
OFFICE OF OIL AND GAS

IV-39-WC

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
ID 1 18

REPORT NO. 00010101
CURRENT DATE - 12/1/77
REPORT DATE - 12/1/77

02/26/2024

API 47105-0585 FARM 1 ENGELK #1A

COUNTY: WIRT AVG. FLOW PRESSURE 20

SHUT-IN PRESSURE 30

TOTALS

GAS MFC 525 494 509 710 465 572 495 455 621 538 532 657 6573

OIL BBL J-35 F-35 M-35 A-35 J-35 J-35 A-35 M-35 0-35 M-34 0-34 OIL 418

DAYS ONLINE 28 29 28 35 28 35 28 28 35 28 28 35

1977 1978 19

29

GAS MFC 539 521 553 689 585 663 584 598 701 523 534 658 7168

OIL BBL J-34 F-34 M-33 A-33 M-32 J-32 J-31 A-31 M-30 0-30 M-29 0-29 OIL 378

DAYS ONLINE 28 28 28 35 28 35 28 28 35 28 28 35

Wirt 2585

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

- 47-105-0600
- 47-105-0583
- 47-105-0584
- 47-105-0586
- 47-105-0588

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

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

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 22 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 wells:

- 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, the undersigned, subscribed and sworn to before me this 16 day of Feb., 1979.
Notary Public Normal Cooper My commission expires March 29, 1980

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