



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

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 11-14-78

Surface Owner David and Lois Stewart
2329 St. Brides Rd. W. Chesapeake, Va.
Address

Company NRM Petroleum Corporation

Address P.O. Box 816, Buckhannon, WV

Mineral Owner Alvin Bush & Mildred Dolan
124 First St. Weston & 716 W. Sec. St., Weston
Address

Farm G.T. Bush Acres 5.92

Location (waters) Stewart's Creek

Coal Owner Eastern Associated Coal Corp.

Well No. # 1 Elevation 1080

Address Koppers Building Pitts., Pa.

District Glenville County Gilmer

Coal Operator None

Quadrangle Glenville

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 3-29-79.

INSPECTOR

TO BE NOTIFIED Paul Goodnight

ADDRESS Smithville, WV

PHONE 477-3660

Richard L. Hopkins
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Feb. 9 1957 by G.T. Bush and others made to George Miller and recorded on the _____ day of _____ 19____, in Gilmer County, Book 192 Page 251

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 on the same day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

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

Address of Well Operator

P.O. Box 816
Street

Buckhannon
City or Town

West Virginia 26201
State

Very truly yours,

(Sign Name) *Richard L. Hopkins*
Well Operator

*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.

GIL-3411

PERMIT NUMBER

"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."

47-021

Signed by _____

BLANKET BOND

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Union Drilling Company NAME Rick Hopkins
 ADDRESS Buckhannon, WV ADDRESS P.O. Box 816 Buckhannon, WV
 TELEPHONE 472-4610 TELEPHONE 472-9113
 ESTIMATED DEPTH OF COMPLETED WELL: 5025 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS X 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	660	660	Cement to surface
7			
5 1/2			
4 1/2		5025	300 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 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.

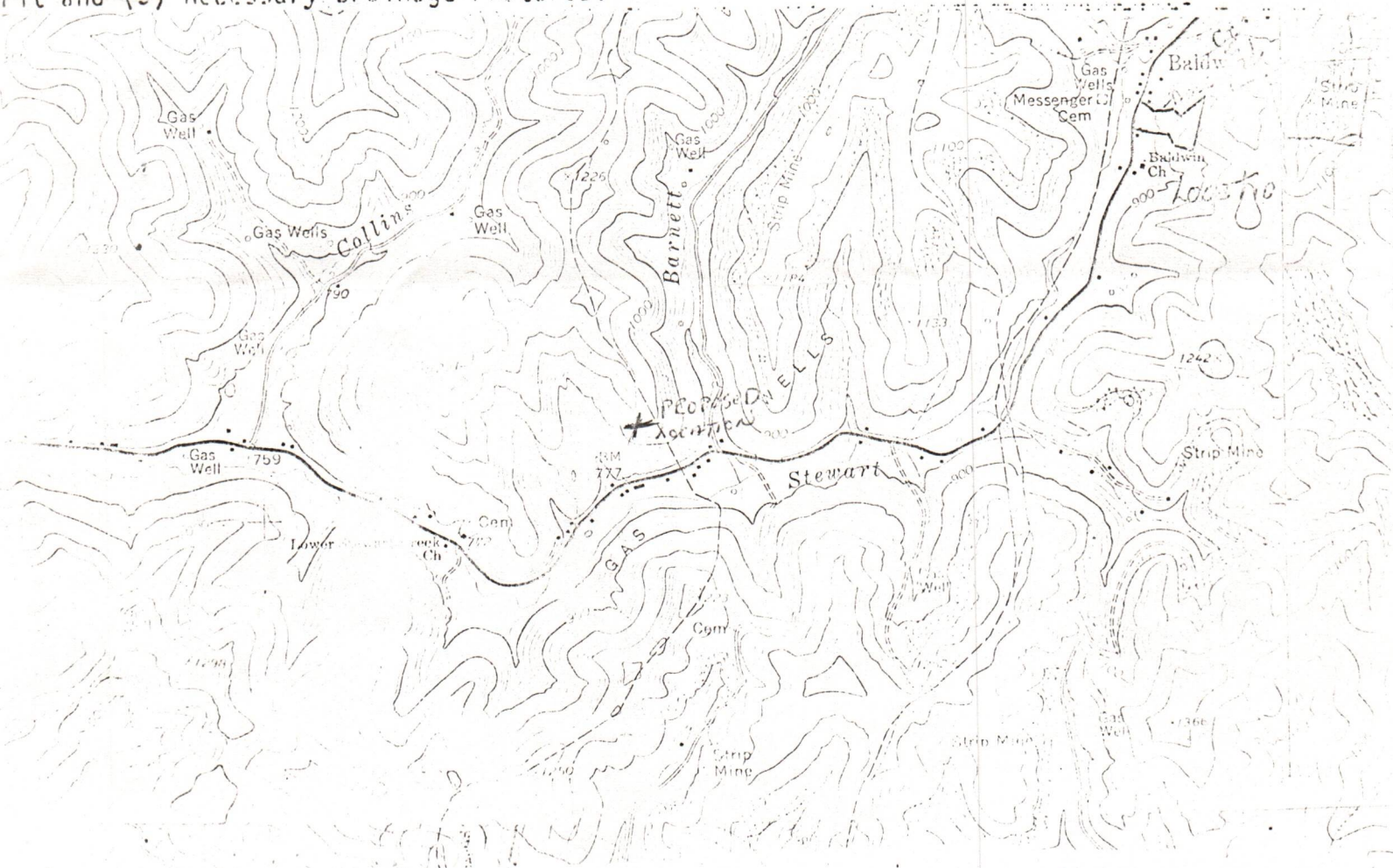
WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

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. 10/06/2023

For Coal Company

Official Title

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

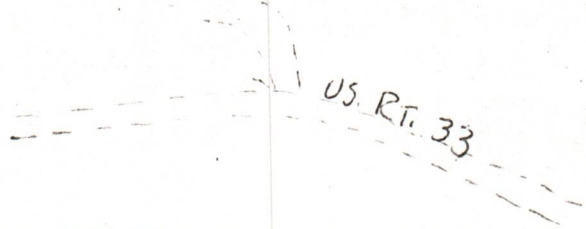
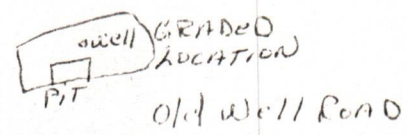


COMPANY NAME NRm PERMIT NO. Gil-3411
 FARM G.T. Bush DISTRICT GLENNVILLE COUNTY GILMER

STATEMENT OF RECLAMATION PLAN:

The access road will leave U.S. Rt. 33 and follow an old well road in a north-western direction to the location. The graded location will be ditched with sediment dispersants placed at edge of cut. The pit will be placed on the south end of the location in solid cut. Suitable sealing will be installed if soil conditions require it, to retain pit fluid. All marketable timber to be salvaged. The nearest water well or dwelling is more than 300 feet from the well location. Upon completion, the location and pit will be reclaimed allowing only the necessary area to operate and maintain the well. The cut area will be seeded, fertilized, and mulched as needed.

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



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

GAS DIVISION
DEPT. OF MINES

Please indicate () "YES" if the district inspector 10/06/2023 present.

[Handwritten signature]

"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: R. L. Hopkins Title V. Pres. Date 11-14-78

File

Formation	Color	Hard or Soft	Top Feet &	Bottom Feet	Oil, Gas or Water	* Remarks
Sandy Shale			2894	2906		
Sand & Shale			2906	2940		
Shale			2940	2956		
Sand & Shale			2956	3180	Gas chk. @3000'	37M
Shaley Sand			3180	3290		
Sandy Shale			3290	3530	Gas chk. @3525'	34M
Sand & Shale			3530	3900		
Sand & Sandy Shale			3900	4030		
Shale			4030	4040		
Sand & Sandy Shale			4040	4250		
Shaley Sand			4250	4265		
Sandy Shale			4265	4315		
Shaley Sand			4315	4325		
Sandy Shale			4325	4370		
Shale			4370	4393	Gas chk. 4393'	37M
Benson			4393	4410		
Sand & Shale			4410	4474		
Shaley Sand			4474	4520		
Shale			4520	4540		
Sandy Shale			4540	4610	Gas chk. 4610'	35M
Sand & Shale			4610	4675	Gas chk. TD	30M
Cedar Creek			4675	4855		
Sandy Shale			4855	4986		
Sand & Shale			4986	4951	2 hrs. after TD	60M
TOTAL DEPTH				4951		
Well Logged by Allegheny Nuclear Surveys			Gamma-Density-Induction-Caliper			
Initial open flow 60M						

10/06/2023

Date Feb 9 19 79
 APPROVED R.H. Hopkins Owner
 By Vice-President
 (Title)



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
WELL RECORD 8

Union Drilling Corp.
Rig #6

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

Quadrangle Glenville

Permit No. Gil - 3411

Company <u>NRM Petroleum Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 816, Buckhannon, W. Va. 26201</u>				
Farm <u>G. T. Bush</u> Acres <u>5.9</u>				
Location (waters) <u>Stewarts Creek</u>	Size			
Well No. <u>1</u> Elev. <u>1080'</u>	<u>20-16</u>			
District <u>Glenville</u> County <u>Gilmer</u>	Cond.			
The surface of tract is owned in fee by _____	<u>13-10"</u>			
<u>David & Lois Stewart</u>	<u>9 5/8</u>			
Address <u>2329 St. Brides Rd., W. Chesapeake, Va</u>	<u>8 5/8</u>	<u>483'</u>	<u>483'</u>	<u>130 sks.</u>
Mineral rights are owned by <u>Alvin Bush & Mildred Dolan</u>	<u>7</u>			
Address <u>124 1st St. & 716 W. 2nd St. Weston, W.V.</u>	<u>5 1/2</u>			
Drilling Commenced <u>12-13-78</u>	<u>4 1/2</u>			
Drilling Completed <u>12-18-78</u>	<u>3</u>			
Initial open flow <u>60M</u> cu. ft. _____ bbls.	<u>2</u>			
Final production <u>855M</u> cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test <u>925#</u> RP.				

Well treatment details: Dowell Inc. Attach copy of cementing record.
Cedar Creek- waterfrac with 500 gal. HCl, 45000# 20/40 in 573 bbl. water
Bd. 1900#, ATP 2406#, ISI 900#, AIR 36.2 BPM

Benson - waterfrac with 400 gal. HCl 10,000# 80/100, 40,000# 20/40 in 667 bbl. water
Bd. 3300# ATP 1800#, ISI 1000#, AIR 39 BPM

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Cedar Creek, Benson Depth 4740-50, 4772-80, 4836-46, 4396-4406
Holes 5 5 5 14

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Rock			0	49		
Sand & Shale			49	83		
Shale			83	190		
Sand			190	234		
Sand & Shale			234	1460		
Little Lime			1460	1474		
Sandy Shale			1474	1490		
Blue Monday			1490	1515		
Big Lime			1515	1590		
Big Injun			1590	1666		
Sand & Shale			1666	1725		
Weir			1725	1865		Gas chk. @1815' 41M
Sand & Shale			1865	1910		
Sandy Shale			1910	2000		
Sand & Shale			2000	2070		
Shale			2070	2110		
Sand & Shale			2110	2345		
Sandy Shale			2345	2420		
Sand & Shale			2420	2450		
Shale			2450	2475		
Sand & Shale			2475	2760		
Warren			2760	2814		
Shale			2814	2834		
Sand & Shale			2834	2894		

10/06/2023

(over)

* Indicates Electric Log tops in the remarks section.

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 611-3411

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>N.R.M. Petroleum Corp.</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>C. T. Bush</u>	13			
Well No. <u>(1)</u>	10			Size of _____
District <u>Glenville</u> County <u>Calhoun</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			

Drillers' Names Heater - T.P.

Remarks: Cont - Union Drilling Co Rotary - Air

At: Permit O.K.

12-14-
DATE

505
DISTRICT WELL INSPECTOR
10/06/2023



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DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
March 28, 1984

COMPANY NRM Petroleum Corporation
P. O. Box 816
Buckhannon, West Virginia 26201

PERMIT NO 021-3411 (11-29-78)
FARM & WELL NO G. T. Bush #1
DIST. & COUNTY Glenville/Gilmer

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

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

SIGNED *W. Mace*

DATE 1-4-86

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

T. H. v. B.
Administrator-Oil & Gas Division

January 16, 1986
DATE

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OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-021-3411</u>			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>103</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>NRM Petroleum Corporation</u> Name		<u>013849</u> Seller Code	
	<u>P.O. Box 816</u> Street			
	<u>Buckhammon, WV</u> City		<u>26201</u> Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Stewart Creek</u> Field Name			
	<u>Gilmer</u> County		<u>WV</u> State	
(b) For OCS wells:	Area Name _____		Block Number _____	
	Date of Lease: _____ Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>G.T. Bush # 1</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>Columbia Gas Transmission Corp.</u> Name		<u>004030</u> Buyer Code	
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated annual production:	_____ 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.)	<u>2.006</u>	<u>.200</u>	---	<u>2.206</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.006</u>	<u>.200</u>	---	<u>2.206</u>
9.0 Person responsible for this application:	<u>Rickard L. Hopkins</u> Name			
Agency Use Only Date Received by Juris. Agency MAR 26 1979 Date Received by FERC	<u>Vice-President</u> Title		_____ Signature	
	<u>9-04-79</u> Date Application is Completed		<u>(304) 472-9113</u> Phone Number	

10/06/2023

PARTICIPANTS:

DATE:

DEC 26 1979

BUYER-SELLER CO

WELL OPERATOR: NRM Petroleum Corp.

013849

FIRST PURCHASER: Equitable Gas Co.
Columbia Gas TRANSMISSION

005939

OTHER:

Qualifies as Section 103, new onshore production well

R.L. [Signature]

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

WELL DETERMINATION FILE NUMBER

790326 -103-021-3411

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 Pickard L. Hopkins
- 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 0 years
- 8 IV-40- 90 day Production 0 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 _____
Date commenced: 12-13-78
(5) Date Completed: 12-18-78 Deepened _____
(5) Production Depth: 4396-4406 ; 4675-4855
(5) Production Formation: Benson ; Cedar CREEK
(5) Final OPEN FLOW: 855 MCFD
(5) After FRAC : 925#
State R.P. Initially: _____
(6) Other Gas Test: _____
(7) Avg. Daily Gas from Annual Production: NO PRODUCTION
(8) Avg. Daily Gas from 90-day endit. w/1-120 days NO PRODUCTION
(8) Line Pressure: _____ PSIG from Daily Report _____
(5) Oil Production: _____ From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: NO 10/06/2023
- (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? _____

D.T.

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

Date September 4 19 79

Operator's
Well No G.T. Bush # 1
API Well
No 47 - 021 - 3411
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Rickard L. Hopkins
ADDRESS Rt. 1 Box 107-D
Buckhannon, WV 26201

WELL OPERATOR NRM Petroleum Corp.
ADDRESS P.O. Box 816
Buckhannon, WV 26201

LOCATION: Elevation 1080'
Watershed Stewart Creek
Dist. Glennville County: Gilmer Quad Glennville

GAS PURCHASER Columbia Gas Corp.
ADDRESS P.O. Box 1273
Charleston, WV 25325

Gas Purchase
Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun 12-14-78

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

Bottom hole pressure 1732.85 psi.
Calculated by multiplying the total depth by .35 lb./ft.

AFFIDAVIT

I, Rickard L. Hopkins, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977, the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

R.L. Hopkins

STATE OF WEST VIRGINIA,

COUNTY OF Gilmer, TO WIT:

I, Iselinda Martz, a Notary Public in and for the state and county afore said, do certify that R.L. Hopkins, whose name is signed to the writing above, bearing date the 4 day of Sept, 19 79, has acknowledged the same before me, in my county, aforesaid.

Given under my hand and official seal this 4 day of Sept, 19 79

My term of office expires on the 31 day of Jan., 19 89

[NOTARIAL SEAL]

Iselinda Martz
Notary Public

10/06/2023

1120431

SEP 10 1981

OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number: (If not available, leave blank. 14 digits)	47-021-3411							
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	108 Section of NEPA	1	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.)	Name	NRM PETROLEUM CORP.		013849 Seller Code				
	Street	P. O. BOX 816 BUCKHANNON, W. VA. 26201						
	City	State	Zip Code					
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Field Name	Stewart Creek						
	County	State	WV					
(b) For OCS wells	Area Name	Block Number						
	Date of Lease	Mo. Day Yr.						
(c) Name and identification number of this well (35 letters and digits maximum.)	Bush # 1							
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)								
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Columbia Gas Transmission			004030 Buyer Code				
(b) Date of the contract.	11, 19, 79 Mo. Day Yr.							
(c) Estimated annual production	11 MCF							
	(a) Base Price (\$/MCF)	(b) Tax	(c) All Other Prices (Indicate Price Code)	(d) Total of (a), (b) and (c)				
7.0 Contract price (As of filing date. Complete to 3 decimal places.)	---	---	---	---				
8.0 Maximum loaded rate (As of filing date. Complete to 3 decimal places.)	3.091	309	---	3.400				
9.0 Person responsible for this application	Richard L. Hopkins - V. PRES. - Signature: <u>Richard L. Hopkins</u> Date Application is Completed: <u>Sept 3, 81</u> File Number: <u>304-472-9113</u>							
<table border="1"> <tr> <td>Agency Use Only</td> </tr> <tr> <td>Date Received by State Agency</td> </tr> <tr> <td>SEP 10 1981</td> </tr> <tr> <td>Date Received by FERC</td> </tr> </table>					Agency Use Only	Date Received by State Agency	SEP 10 1981	Date Received by FERC
Agency Use Only								
Date Received by State Agency								
SEP 10 1981								
Date Received by FERC								

10/06/2023

PARTICIPANTS:

DATE: DEC 16 1981

BUYER-SELLER CO

WELL OPERATOR: NRM Petroleum Corp
FIRST PURCHASER: Columbia Gas Transmission
OTHER: _____

013849
004030

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
81-09-10 -108 -021 -3411
Use Above File Number on all Communications
Relating to Determination of this Well.

rework
Deferred for 90 day and 12 month production.
Qualifies *J. H. Huzzey*

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0 and 8.0 c
- 2. IV-1 Agent Rickard L. Hopkins
- 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 1 years
- 8. IV-40 90 day Production 91 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: 12-13-78 Date completed 12-18-78 Deepened
- (5) Production Depth: 4740-50 4772-80 4836-46 4396-4406
- (5) Production Formation: Cedar Creek Benson
- (5) Final Open Flow: 855 mcf
- (5) After Frac. R. P. 925 # NA
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{7898}{366} = 21.6$ MCF oil $\frac{58.54}{366} = 0.2$ bbl
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{2521}{91} = 27.7$ MCF No Oil
- (8) Line Pressure: _____ PSIG from Daily Rep
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized? 10/06/2023
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

Date Sept 3 19 81

Operator's Well No. Bush # 1
API Well No. 47 - 021 - 3411
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

WELL OPERATOR NRM PETROLEUM Corp. DESIGNATED AGENT Richard L. Hopkins
ADDRESS P.O. Box 816 ADDRESS P.O. Box 816
Buckhannon, WV 26201 Buckhannon, WV 26201
Gas Purchase Contract No. 23573 and Date 11-19-79
Meter Chart Code 619405 (Month, day and year)
Name of First Purchaser Columbia Gas Transmission
P.O. Box 1273
Charleston WV 25325
(City) (State) (Zip Code)
FERC Seller Code 013849 FERC Buyer Code 004030

TYPE OF DETERMINATION BEING SOUGHT.

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

Richard L. Hopkins V-PRES
Name Title
Richard L. Hopkins
Signature
P.O. Box 816
Street or P. O. Box
Buckhannon WV 26201
City State (Zip Code)
304 472-9113
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

I hereby certify that I have this day served the foregoing document together with the related attachments upon purchasers of natural gas from NRM Petroleum Corporation. Dated at Buckhannon, West Virginia, this 3rd day of SEPT, 1981.

Richard L. Hopkins

(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 1978, (NGPA). 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 3rd day of SEPT, 1981, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

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

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

WEST VIRGINIA DEPARTMENT OF MINES

SEP 10 1981

Date received by
Jurisdictional Agency

Director
By J. E. Murray
Title

10/06/2023

IV-39-WC

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

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF @ 14.73
OIL IN BARRELS @ 60 DEGREES

REPORT DATE

NEW PETROLEUM Corp

3-2-82

10/06/2023

YEAR 19 80

API 001-3411 FARM Bush # 1

COUNTY

Gilmer

AVG. FLOW PRESSURE:

150 #

SHUT-IN PRESSURE

550 #

GAS MCF

936

749

736

558

TOTALS

OIL, BBL

J-_____ F-_____ M-_____ A-_____ S-_____

J-_____ J-_____ A-_____ S-_____

0

0

0

0

OIL

DAYS ON LINE

29

28

35

28

YEAR 19 _____

API

FARM

COUNTY

AVG. FLOW PRESSURE

SHUT-IN PRESSURE

TOTALS

GAS MCF

737

444

351

175

691

834

835

852

GAS

OIL, BBL

J-58.54 F-_____ M-_____ A-_____ S-_____

0

0

0

0

0

0

0

OIL

DAYS ON LINE

37

28

28

28

34

28

35

28

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.

RECEIVED

MAR 04 1982

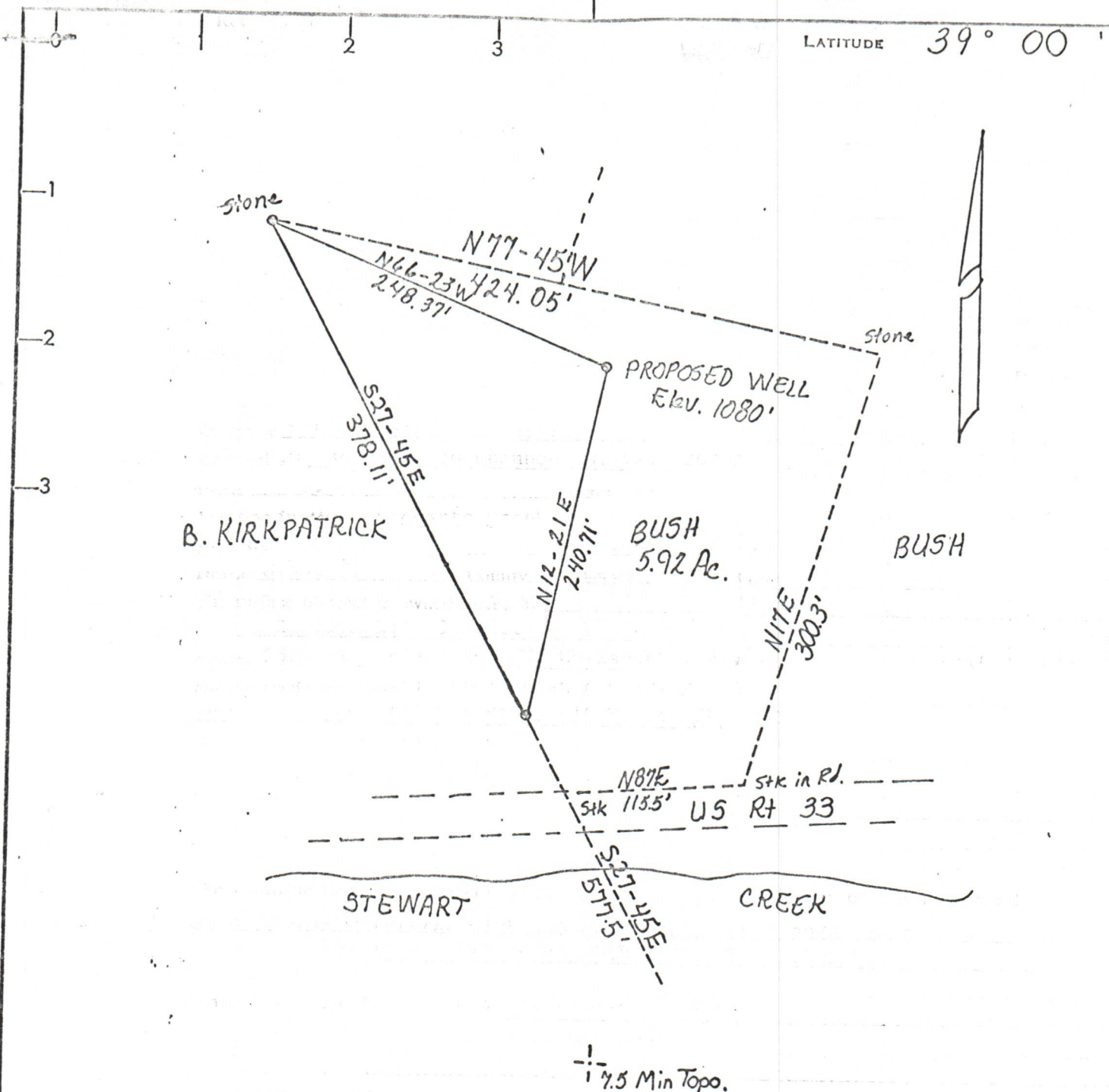
API NUMBERS

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

7,500

LATITUDE 39° 00'

LONGITUDE 80° 48' 14.100



CERTIFICATE

"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."

Minimum degree of accuracy is one part in 200
Signed Steph D. Powell, #624

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY NRM Petroleum Corp.
 ADDRESS P.O. Box 190, Glenville, W. Va.
 FARM Bush
 MAP _____ ACRES 5.92 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1080'
 QUADRANGLE Glenville
 COUNTY Gilmer DISTRICT Glenville
 POINT OF PROVEN ELEVATION USGS BM 777
 FILE NO. Nov 8 1978 DRAWING _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. 47-021-3411

+ 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.