



1) Date: December 1, 1982  
2) Operator's Well No. Grow #13  
3) API Well No. 47 105 1029  
State County Permit

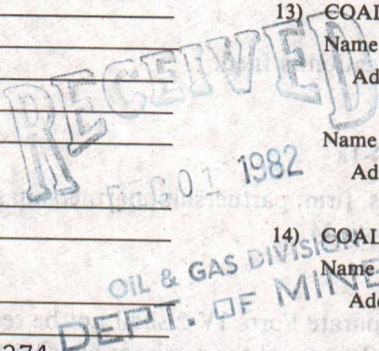
DRILLING CONTRACTOR:

Clint Hurt  
Edens Fork, WV

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil  / Gas   
B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 1047.5 / Watershed: Burning Springs  
District: Burning Springs / County: Wirt / Quadrangle: Girta 7.5
- 6) WELL OPERATOR Wayman W. Buchanan / 11) DESIGNATED AGENT Leroy Hopkins  
Address 444 Petroleum Commerce Bldg. / Address P. O. Box 106  
San Antonio, Texas 78205 / Kenna, WV 25248
- 7) OIL & GAS ROYALTY OWNER George C. Grow, Jr.  
Address 626 Shadowlawn Drive / Address \_\_\_\_\_  
Westfield, NJ 07090
- 8) SURFACE OWNER Same as above / 12) COAL OPERATOR None  
Address \_\_\_\_\_ / Address \_\_\_\_\_  
Acreage 1063
- 9) FIELD SALE (IF MADE) TO: / 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Address \_\_\_\_\_ / Name \_\_\_\_\_  
Address \_\_\_\_\_ / Address \_\_\_\_\_  
Name \_\_\_\_\_ / Name \_\_\_\_\_  
Address \_\_\_\_\_ / Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED / 14) COAL LESSEE WITH DECLARATION ON RECORD:  
Name Deo Mace / Name \_\_\_\_\_  
Address Rt. 1, Box 5 / Address \_\_\_\_\_  
Sandridge, WV 25274
- 15) PROPOSED WORK: Drill  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 17) Estimated depth of completed well, 4800 feet
- 18) Approximate water strata depths: Fresh, 120 feet; salt, 560 feet.
- 19) Approximate coal seam depths: None / Is coal being mined in the area? Yes  / No



20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
		Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	Sizes
Conductor	9 5/8			X			350	Circ.		
Fresh water										
Coal										
Intermediate	7			X			1500	Circ.		
Production	4 1/2			X			4800	480 sks.	Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

- 21) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No   
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia
- Notary: Vicky R. Burdette / Signed: Leroy Hopkins  
My Commission Expires December 1, 1990 / Its: Designated Agent

OFFICE USE ONLY  
Permit number 47-105-1029 DRILLING PERMIT December 2, 1982  
Date 01/12/2024

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires August 2, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: Blanket	Agent: OK	Plat: M.J.	Casing: M.J.	Fee: 1894
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Administrators, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

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

WAIVER

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

01/12/2024

Date: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_

CLAY DISTRICT, WIRT COUNTY, WEST VIRGINIA

<u>GRANTOR</u>	<u>GRANTEE</u>	<u>DESCRIPTIVE NAME</u>	<u>ACREAGE</u>	<u>DATE</u>	<u>RECORDING</u>
Val D. Bailey, et al.	George C. Grow	Bailey Tract	67	11/27/1961	DB 122/420
Roberts Oil Company	George C. Grow	California Tract	167 by Deed 253 by Survey	5/20/1929	DB 79/463
Etta Swisher	George C. Grow	Swisher Tract	99	9/23/1944	DB 98/280
John M. Nelson, et al.	George C. Grow	Mary Nelson Tract	43	7/19/1937	DB 88/486
Roberts Oil Company	George C. Grow	Rex Lease	200 by Deed 312 by Survey	5/20/1929	DB 79/463
Roberts Oil Company	George C. Grow	J. F. Dravo Tract	142½	5/20/1929	DB 79/463
GRANT DISTRICT, RITCHIE COUNTY, WEST VIRGINIA					
Roberts Oil Company	George C. Grow	Sharpnack Tract	62½	4/20/1929	DB 95/322
H. H. Haynes, et al.	George C. Grow	Deem Tract	65	12/20/1939	DB 107/186

TOTAL ACREAGE 2,337.75

01/12/2024

861  
*George C. Grow, Jr.*  
GEORGE C. GROW, JR.

12875

IV-35  
(Rev 8-81)



Date July 26, 1983

Operator's Well No. Grow #13

Farm

API No. 47 - 105 - 1029

RECEIVED JUN 29 1984

RECEIVED JUN 6 - 1984

State of West Virginia  
Department of Mines  
Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

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

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

LOCATION: Elevation: 1047.5 Watershed Burning Springs  
District: Burning Springs County Wirt Quadrangle Girta 7.5'

COMPANY Wayman W. Buchanan  
ADDRESS 444 Petroleum Commerce Building  
San Antonio, Texas 78205

DESIGNATED AGENT Leroy Hopkins  
ADDRESS P. O. Box 106  
Kenna, WV 25248

SURFACE OWNER George C. Grow, Jr.  
ADDRESS Westfield, NJ 07090

GENERAL RIGHTS OWNER Same as above  
ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Deo  
Mace ADDRESS Sandridge, WV 25274

PERMIT ISSUED 12/01/82

DRILLING COMMENCED 12/17/82

DRILLING COMPLETED 12/22/82

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

Casing Tubing	Used in Drilling	Left in Well	Current fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8		348'	150 sks.
8 5/8			
7		1670'	350 sks.
5 1/2"			
4 1/2		4360'	188 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4800 feet

Depth of completed well 4375' feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 120 feet; Salt 560 feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Devonian Shale 400 Pay zone depth 2652-4096 feet

Gas: Initial open flow 120 Mcf/d Oil: Initial open flow 37 Bbl/d  
Final open flow 90 Mcf/d Final open flow 15 Bbl/d

Time of open flow between initial and final tests 24 hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in  
(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

01/12/2024

WIRT - 1029

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

Perforated 34 holes from 3494 to 4096'.

Treated and fractured with 500 gal. 15% HCL, 88 barrels sand laden fluid, 90 quality foam, 32,500# 20/40 sand and 742,000 scf N<sub>2</sub>.

Perforated 35 holes from 2652 to 3387'.

Treated and fractured with 500 gal. 15% HCL, 90 barrels sand laden fluid, 90 quality foam, 33,500# 20/40 sand and 742,000 scf N<sub>2</sub>.

(E)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand/Shale			0	589	
Sand			589	624	
Shale			624	653	
Sand			653	727	
Shale			727	783	
Sand			783	829	
Shale			829	975	
Sand			975	1015	
Shale			1015	1048	
125 Maxton Sand			1048	1146	
345 Big Lime			1146	1232	
365 Big Injun			1232	1273	
383 Squaw			1273	1340	
Siltstone/Shale			1340	1696	
Sunbury Shale			1696	1715	
95 Berea Shale			1715	1723	
00 Shale			1723	1800	
Siltstone			1800	1846	
Shale			1846	2010	
Siltstone			2010	2095	
Shale			2095	2922	
Siltstone			2922	2960	
Shale			2960	4375	
TD			4375		

(Attach separate sheets as necessary)

Wayman W. Buchanan

Well Operator

By: Way S. Sites 01/12/2024

Date: July 26, 1983

Note: Regulation 6.06(b) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic  
 detailed geological record of all formations, including  
 coal, encountered in the drilling of a well."

**RECEIVED**

JUN 29 1984

Date: June 25, 19 84

Operator's Well No. Grow Well No. 13

API Well No. 47 - 105 - 1029  
State County Permit

**OIL & GAS DIVISION**  
**DEPT. OF MINES** STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT  
OF  
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Wayman W. Buchanan DESIGNATED AGENT Petroleum Technical Services  
Address 444 Petroleum Commerce Building Address 3000 North Garfield Street, Suite  
San Antonio, Texas 78205 Suite 210, Texas 79705  
Midland, Texas 79705

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 3,494 feet  
Perforation Interval 3,494' - 4,096' feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE 5-02-84	TIME 8:00 a.m.	END OF TEST-DATE 5-03-84	TIME 8:00 a.m.	DURATION OF TEST 24 hrs.
TUBING PRESSURE Pumping	CASING PRESSURE 65	SEPARATOR PRESSURE 57	SEPARATOR TEMPERATURE 75 °F	
OIL PRODUCTION DURING TEST 29 bbls.	GAS PRODUCTION DURING TEST 42 Mcf		WATER PRODUCTION DURING TEST & SALINITY 0 bbls. ppm.	
OIL GRAVITY 45.6 °API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) Pumping			

GAS PRODUCTION		
MEASUREMENT METHOD FLANGE TAP <input type="checkbox"/>	PIPE TAP <input type="checkbox"/>	L-10 <input type="checkbox"/>
		POSITIVE CHOKE <input type="checkbox"/> CRITICAL FLOW PROVER <input type="checkbox"/>
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.
DIFFERENTIAL	STATIC	GAS GRAVITY (Air=1.0) MEASURED ESTIMATED
GAS GRAVITY (Air=1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE °F
24 HOUR COEFFICIENT	24 HOUR COEFFICIENT	
PRESSURE - psia		

TEST RESULTS			
DAILY OIL 29 bbls.	DAILY WATER 0 bbls.	DAILY GAS 42 Mcf.	GAS-OIL RATIO 1,448 SCF/STB

Wayman W. Buchanan  
Well Operator  
By: Don C. Bennett  
Its: Agent

01/12/2024

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

RECEIVED

DEC 29 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 109-1029

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Wayman Buchanan  
 Address \_\_\_\_\_  
 Farm G & W Co. Inc.  
 Well No. 13  
 District Bunny Spring County Wirt  
 Drilling commenced 12-17-82  
 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			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			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 Hunt # 2

Remarks:  
348' of 9 5/8" casing Halibuton cemented 12-18-82  
1662' of 7" " " " " 12-19-82  
280 SKS

12-22-82  
DATE

Des Mace  
DISTRICT WELL INSPECTOR

DATE 01/12/2024

**STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES**

U.S. DEPARTMENT OF ENERGY  
Federal Energy Regulatory Commission  
Washington, D.C. 20426

Form Approved  
OMB No. 1902-0038  
(Expires 12/31/84)

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
(Sections 102, 103, 107 and 108)**

**GENERAL INSTRUCTIONS**

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

**SPECIFIC INSTRUCTIONS**

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)

Remarks:

Applicant is an interstate pipeline company. Its production from the subject well is delivered into its pipeline system and is therefore not subject to a field sales contract.

01/12/2024



PARTICIPANTS:

DATE: DEC 1 1983

BUYER-SELLER CO

WELL OPERATOR: Consolidated Gas Supply Corp.

004228

FIRST PURCHASER: General System Purchasers

A

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
830914-107-105-1029  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

APPROVED

JAN 03 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 7.0 + 8.0
- 2. IV-1 Agent L. J. Timms, Jr.
- 3. IV-2 Well Permit -
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening -
- 6. IV-36 Gas-Oil Test: Gas Only - Was Oil Produced? - Ratio -
- 7. IV-39 Annual Production - years
- 8. IV-40 90 day Production - Days off line: \_\_\_\_\_
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete?  Affidavit Signed
- 18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
- (5) Date commenced: 12-17-82 Date completed 12-22-82 Deepened -
- (5) Production Depth: 2652 - 4096
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: TSTNG
- (5) After Frac. R. P. \_\_\_\_\_
- (6) Other Gas Test: -
- (7) Avg. Daily Gas from Annual Production: -
- (8) Avg. Daily Gas from 90-day ending w/1-120 days -
- (8) Line Pressure: - PSIG from Daily Rep \_\_\_\_\_
- (5) Oil Production: - From Completion Report -
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

01/12/2024

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

Date Sept. 9, 19 83

Operator's  
Well No. 12875

API Well  
No. 47 105 01029  
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. N/A  
(If Applicable)

WELL OPERATOR Consolidated Gas Supply Corp.

DESIGNATED AGENT L. J. Timms, Jr.

ADDRESS 445 West Main Street

ADDRESS 445 West Main Street

Clarksburg, West Virginia 26301

Clarksburg, West Virginia 26301

Gas Purchase Contract No. N A and Date \_\_\_\_\_  
(Month, day and year)

Meter Chart Code N A

Name of First Purchaser None; gas is delivered into appli-  
cant's pipeline system  
(Street or P. O. Box)

FERC Seller Code 04228 (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code) \_\_\_\_\_  
FERC Buyer Code 04228

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 107 3  
Section of NPGA Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

**This filing is made on behalf of all Joint Partners where Consolidated is operator; and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf.**

Thomas E. Huzzey Manager  
Name (Print) Title  
Thomas E. Huzzey  
Signature  
445 West Main Street  
Street or P. O. Box  
Clarksburg, WV 26301  
City State (Zip Code)  
(304) 623-8000  
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)  
CERTIFICATE OF SERVICE

This will certify that Applicant has served a complete copy of this document and attachments thereto, if any, including FERC Form 121, properly addressed and with postage prepaid upon the identified purchaser, if any, of the natural gas which is the subject of this application.

(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 \_\_\_\_\_ under the Natural Gas Policy Act of 1978. (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 \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, 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  
[Signature]  
Director

SEP 14 1983

By \_\_\_\_\_  
Title \_\_\_\_\_

Date Received By \_\_\_\_\_  
Jurisdictional Agency

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's  
Well No. 12875

API Well No.  
47 - 105 - 01029  
State County Permit

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

**This filing is made on behalf of all Joint Partners where Consolidated is operator; and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf.**

DESIGNATED AGENT L. J. Timms, Jr.

ADDRESS 445 West Main Street  
Clarksburg, WV 26301

LOCATION Elevation 1047.50'

Watershed Burning Springs

Dist. Burning Springs County Wirt Quad. Girta (7.5')

Gas Purchase Not Applicable  
Contract No. \_\_\_\_\_

Meter Chart Code Not Applicable

Date of Contract Not Applicable

WELL OPERATOR Consolidated Gas Supply Corp.

ADDRESS 445 West Main Street  
Clarksburg, WV 26301

GAS PURCHASER None; Gas is delivered into

ADDRESS applicant's interstate pipeline  
system

\* \* \* \* \*

Date surface drilling began: 12/17/82

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

$$BHP = P_1 + P_1 (e^{GL / 53.34 T} - 1)$$

AFFIDAVIT

I, Thomas E. Huzzey, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Thomas E. Huzzey

STATE OF WEST VIRGINIA

COUNTY OF HARRISON, TO-WIT:

I, Roxann Shuttleworth, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Huzzey, whose name is signed to the writing above, bearing date the 9 day of September, 1983, has acknowledged the same before me, in my county aforesaid.

01/12/2024

Given under my hand and official seal this 9 day of September, 1983.

My term of office expires on the 31 day of July, 1988.

(NOTARIAL SEAL)

Roxann Shuttleworth  
Notary Public

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS  
 APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Wayman W. Buchanan

Agent: L. J. Timms, Jr.

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-105-01029

Well Name: George C. Grow #13 (12875)

West Virginia Office of Oil and Gas  
 References: SJA File No.

County: Wirt

**This filing is made on behalf of all  
 Joint Partners where Consolidated to  
 operator; and where Joint Partners, as  
 operator, have delegated authority to  
 Consolidated to file on their behalf.**

Vol. \_\_\_\_\_ Page \_\_\_\_\_ Line \_\_\_\_\_

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = <sup>SEE</sup> Remarks \* API Units

2. Remarks: 

151 API @ 1715'	170 API @ 3634'
143 API @ 2560'	152 API @ 3928'
149 API @ 2954'	
134 API @ 3180'	
152 API @ 3356'	

SBL x 0.7 (API Units)  
 92 @ 1715'  
 100 @ 2560'  
 104 @ 2954'  
 94 @ 3180'  
 106 @ 3356'  
 119 @ 3634'  
 106 @ 3928'

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = \_\_\_\_\_ \* API Units

2. Calculation:  $0.7 \text{ (GR Value at Base Line)}$   
 $0.7 \text{ ( } \underline{\hspace{1cm}} \text{ )} = \underline{\hspace{1cm}} \text{ API Units}$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
1715'	2560'	845'	4'
2560'	2954'	394'	2'
2954'	3180'	226'	0'
3180'	3356'	176'	0'
3356'	3634'	278'	0'
3634'	3928'	294'	0'
3928'	4378'	450'	0'
Total Devonian Interval		<u>2663'</u>	

Total Less Than 0.7 (Shale Base)

6'

% Less Than 0.7 (Shale Base Line) =  $0.00225 \times 100 = \underline{\underline{0.225\%}}$

01/12/2024

\*Marked on log included with analysis.

\*\*Top of Devonian Section Recorded on First Interval in this Column.

\*\*\*Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

0  
Conrad

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
(Sections 102, 103, 107 and 108)**

**GENERAL INSTRUCTIONS**

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

**SPECIFIC INSTRUCTIONS**

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1			
2			
3			
4			
5			
6			

Remarks:

Applicant is an interstate pipeline company. Its production from the subject well is delivered into its pipeline system and is therefore not subject to a field sales contract.

PARTICIPANTS:

DATE: NOV 16 1983

BUYER-SELLER CODE

WELL OPERATOR: Consolidated Gas Supply Corp.

004228

FIRST PURCHASER: General System Purchasers

OTHER: \_\_\_\_\_

1500'

~~Deferred Riff~~

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
830808-103-105-1029  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

~~Approved Riff~~

~~(1725-12)~~

**APPROVED**

DEC 22 1983

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. All 7.0 8.0 b,c,d
- 2. IV-1 Agent L. J. Timms, Jr.
- 3. IV-2 Well Permit \_\_\_\_\_
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_
- 6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
- 7. IV-39 Annual Production \_\_\_\_\_ years
- 8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - (54) - 55 - 56 - 57 - 58 Complete?  Affidavit Signed
- 18-28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
- (5) Date commenced: 12-17-82 Date completed 12-22-82 Deepened \_\_\_\_\_
- (5) Production Depth: 2652-4096
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: NA
- (5) After Frac. R. P. NA
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- (8) Avg. Daily Gas from 90-day ending w/1-120 days \_\_\_\_\_
- (8) Line Pressure: \_\_\_\_\_ PSIG from Daily Report \_\_\_\_\_
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? YES
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

01/12/2024

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

Date August 4, 1983

Operator's

Well No. 12875

API Well

No. 47 105 01029

State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. N/A

(If Applicable)

WELL OPERATOR Wayman W. Buchanan

DESIGNATED AGENT L. J. Timms, Jr.

ADDRESS 444 Petroleum Commerce Building  
San Antonio, Texas 78205

ADDRESS 445 West Main Street  
Clarksburg, WV 26301

Gas Purchase Contract No. NA and Date \_\_\_\_\_

(Month, day and year)

Meter Chart Code NA

Name of First Purchaser Consolidated Gas Supply Corporation

445 West Main Street

(Street or P. O. Box)

Clarksburg, WV

26301

(City)

(State)

(Zip Code)

FERC Seller Code \_\_\_\_\_

FERC Buyer Code 004228

TYPE OF DETERMINATION BEING SOUGHT:

(1) Initial determination (See FERC Form 121.)

103

Section of NPGA

Category Code

(2) Determination that increased production is the result of enhanced recovery technology.

(3) Determination of a seasonally affected well.

Thomas E. Huzzey

Manager

Name (Print)

Title

Signature

445 West Main Street

Street or P. O. Box

Clarksburg, WV

26301

City

State

(Zip Code)

(304)

623-8000

Area Code

Phone Number

**This filing is made on behalf of all Joint Partners where Consolidated is operator, and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf.**

(Certificate of Proof of Service to Purchaser)

CERTIFICATE OF SERVICE

This will certify that Applicant has served a complete copy of this document and attachments thereto, if any, including FERC Form 121, properly addressed and with postage prepaid upon the identified purchaser, if any, of the natural gas which is the subject of this application.

(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 \_\_\_\_\_ under the Natural Gas Policy Act of 1978. (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 \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, 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

AUG 8 1983

[Signature]  
Director

By \_\_\_\_\_

Title \_\_\_\_\_

Date Received By \_\_\_\_\_  
Jurisdictional Agency

01/12/2024

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

Date August 4, 1983

Operator's Well No. 12875

API Well No. 47 - 105 - 01029  
State County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

NGPA Section 103

This filing is made on behalf of all Joint Partners where Consolidated is operator; and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf,

DESIGNATED AGENT L. J. Timms, Jr.

ADDRESS 445 West Main Street  
Clarksburg, WV 26301

LOCATION: Elevation 1047.5

Watershed Burning Springs  
Dist. Burning Springs County Wirt Quad. Girta 7.5'

WELL OPERATOR Wayman W. Buchanan  
ADDRESS 444 Petroleum Commerce Building  
San Antonio, Texas 78205

Gas Purchase Contract No. Not Applicable

Master Chart Code Not Applicable

Date of Contract Not Applicable

GAS PURCHASER Consolidated Gas Supply Corp.  
ADDRESS 445 West Main Street  
Clarksburg, WV 26301

\* \* \* \* \*

Date surface drilling was begun: December 17, 1982

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

BHP = 394.7  $BHP = P_1 + P_1 (e^{GL / 53.34 T} - 1)$

AFFIDAVIT

I, Thomas E. Huzzey, 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."

*Thomas E. Huzzey*

STATE OF WEST VIRGINIA,  
COUNTY OF HARRISON, TO WIT:

I, Roxann Shuttleworth, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Huzzey, whose name is signed to the writing above, bearing date the 4 day of August, 19 83, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 4 day of August, 19 83.  
My term of office expires on the 31 day of July, 19 88.

[NOTARIAL SEAL]

*[Signature]*  
Notary Public


01/12/2024




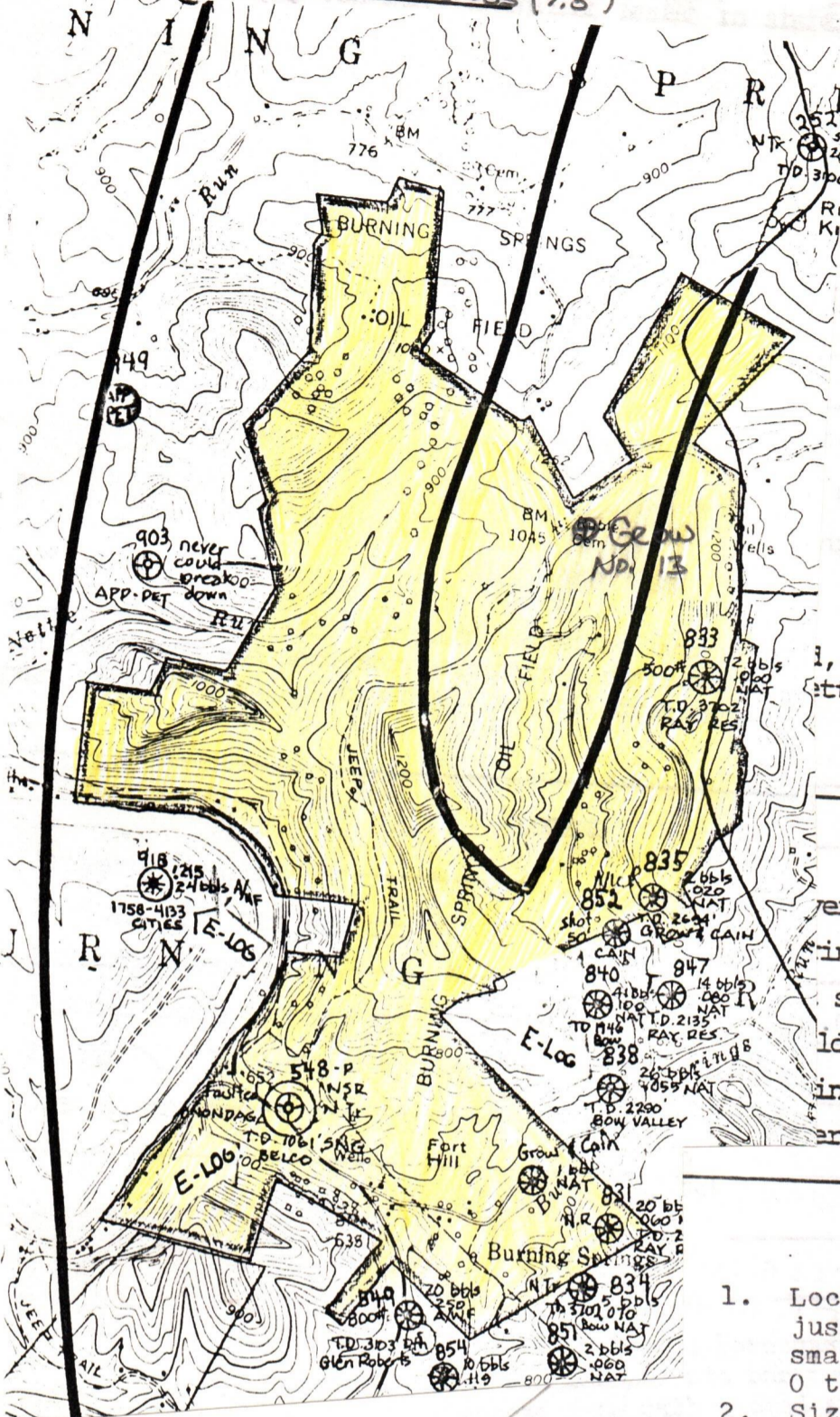


ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE BURNING SPRINGS (7.5')


LEGEND


Well Site 


Access Road 





1, roads to be constructed, wellsite, altered to correspond with the first


version 

ring 

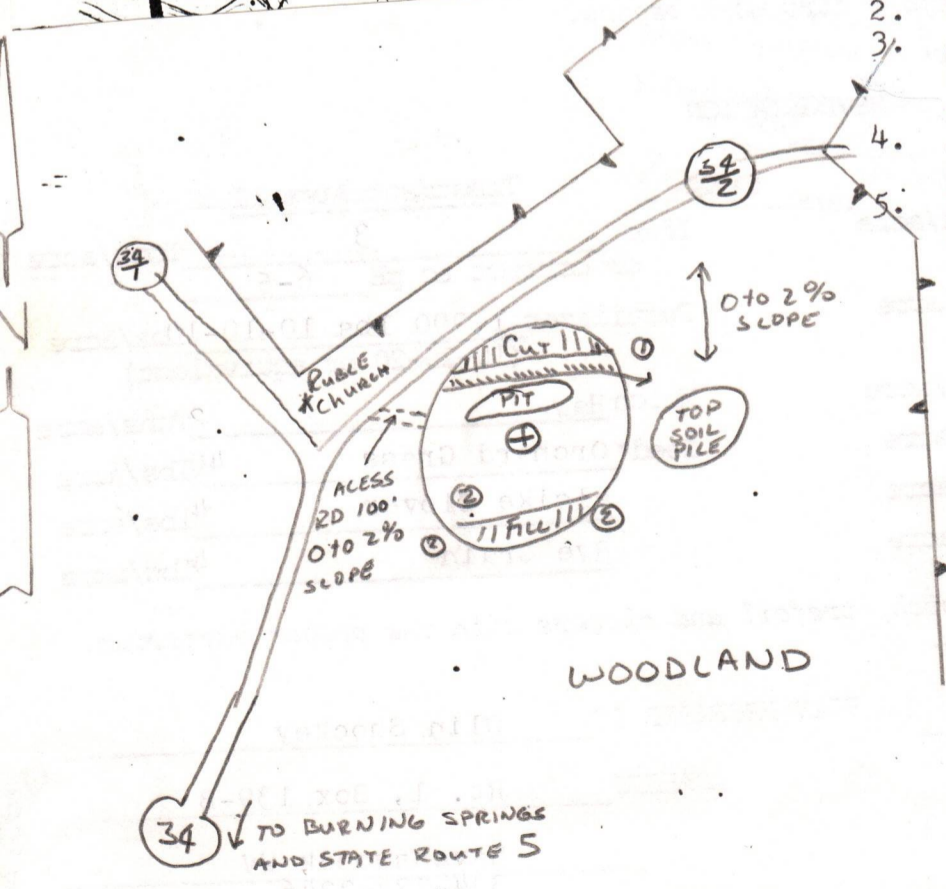
spot 

ilding 

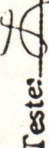
in pipe 

erway 

1. Location in on a flat bench just off the county road, small timber and brush, 0 to 2% slope.
2. Size of location 125 X 175'.
3. All timber will be cut and stacked according to land owners wishes.
4. Access road will have side slopes and cross drains.
5. Reclamation will be done 6 mos. after well is completed.



01/12/2024

Filed and a  
of the Clerk  
County, W.  
19... at  
Recorded in  
Book No.  
Tester: 

Ande



DATE Nov. 29, 1982

IV-9  
(Rev 8-81)

01/12/2024

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 105 - 01029 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		3 Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4096' feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corporation			004228
	Name 445 West Main Street			Seller Code
	Street Clarksburg		WV	26301
	City	State	Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Burning Springs			
	Field Name			
	Wirt		WV	
	County	State		
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease:			
				OCS Lease Number
	Mo.	Day	Yr.	
(c) Name and identification number of this well: (35 letters and digits maximum.)	George C. Grow, Jr. Grow #13			12875
(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.)	General System Purchasers			004228
	Name			Buyer Code
(b) Date of the contract:				
	Mo.	Day	Yr.	
(c) Estimated total annual production from the well:	_____ Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
		(d) Total of (b) and (c)		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____
9.0 Person responsible for this application:	Thomas E. Huzzey			Manager
	Name			Title Gas Procurement
	<i>Thomas E. Huzzey</i>			304 623-8000
	Signature			Phone Number
	Sept. 9, 1983			
	Date Application is Completed			

**This filing is made on behalf of all Joint Partners where Consolidated is operator; and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf.**

Agency Use Only  
Date Received by Juris. Agency  
**SEP 14 1983**  
Date Received by FERC

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)  
 (Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressed brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Provide appropriate information regarding other Purchasers/Contracts.

Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)

Contract is an interstate pipeline company. Its production from the well is delivered into its pipeline system and is therefore subject to a field sales contract.

288011932



**RECEIVED**  
OCT 2 - 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
July 10, 1984

COMPANY Wayman W. Buchanan  
444 Petroleum Commerce Building  
San Antonio, Texas 78205

PERMIT NO 105-1029 (12-82)  
FARM & WELL NO George Grow #13  
DIST. & COUNTY Burning Springs/Wirt

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 Strenght		
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 Homer H. Dougherty  
DATE 9/28/84

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. L. ...  
Administrator-Oil & Gas Division

November 8, 1984

DATE

TMS/chm

01/12/2024

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 105 - 01029 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4096 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corporation Name 445 West Main Street Street Clarksburg WV 26301 City State Zip Code			004228 Seller Code
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Burning Springs Field Name Wirt WV County State			
(b) For OCS wells: <b>This filing is made on behalf of all Joint Partners where Consolidated is operator, and where Joint Partners, as operator, have delegated authority to Consolidated to file on their behalf.</b>	Area Name		Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	George C. Grow #13		12875 OCS Lease Number	
(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.)	General System Purchasers Name			004228 Buyer Code
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated total annual production from the well:	_____ Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2.803	_____	_____
9.0 Person responsible for this application:	Thomas E. Huzzey Name Title Manager <i>Thomas E. Huzzey</i> Signature Gas Procurement August 4, 1983 Date Application is Completed 304 623 8000 Phone Number			
Agency Use Only				
Date Received by Juris. Agency	AUG 8 1983			
Date Received by FERC	07/12/2024			

0  
General

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**  
(Sections 102, 103, 107 and 108)

**GENERAL INSTRUCTIONS**

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

**SPECIFIC INSTRUCTIONS**

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressed brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1			
2			
3			
4			
5			
6			

Remarks:

Applicant is an interstate pipeline company. Its production from the subject well is delivered into its pipeline system and is therefore not subject to a field sales contract.

01/12/2024



EXHIBIT B

DESCRIPTIVE NAME

ACREAGE

DATE

RECORDING

GRANTEE

GRANTOR

BURNING SPRINGS DISTRICT, WIRT COUNTY, WEST VIRGINIA

GRANTOR	GRANTEE	DESCRIPTIVE NAME	ACREAGE	DATE	RECORDING
Louis Roberts, et al.	George C. Grow et al	Rathbone Oil Tract	1,129 by deed	11/30/1938 11/10/1937	DB 90/273 DB 89/350
Louis Roberts, et al.	George C. Grow et al	W.H.H. Wheaton Lot	5	11/30/1938 11/10/1937	DB 90/273 DB 89/350
O. E. Grow	George C. Grow	Thorn & Roberts Tract	9	7/31/1936	DB 86/467
O. E. Grow	George C. Grow	W.H.H. Wheaton Lot	8-3/4	7/31/1936	DB 86/467
Mildred Kirby, et al.	George C. Grow, Inc.	Whitecotton Tract	46-3/4	8/17/1981	DB 162/968
Elizabeth Teeter Phillips	George C. Grow, Inc.	Coplin Tract	50	1/9/1982	DB 163/418
L. E. Shuck	George C. Grow	Wetzel Tract	3	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Gracy Tract	3 1/2	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	W.H.H. Wheaton Lot	15	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Wetzel Tract	5	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Wetzel Tract	5	6/5/1951	DB 109/99
L. E. Shuck	George C. Grow	Wetzel Tract	6	11/30/1938	DB 90/273
Louis Roberts, et al.	George C. Grow et al	Wetzel Tract	7-3/4	11/30/1938	DB 90/273
Louis Roberts, et al.	George C. Grow et al	Rathbone Lot # 1			

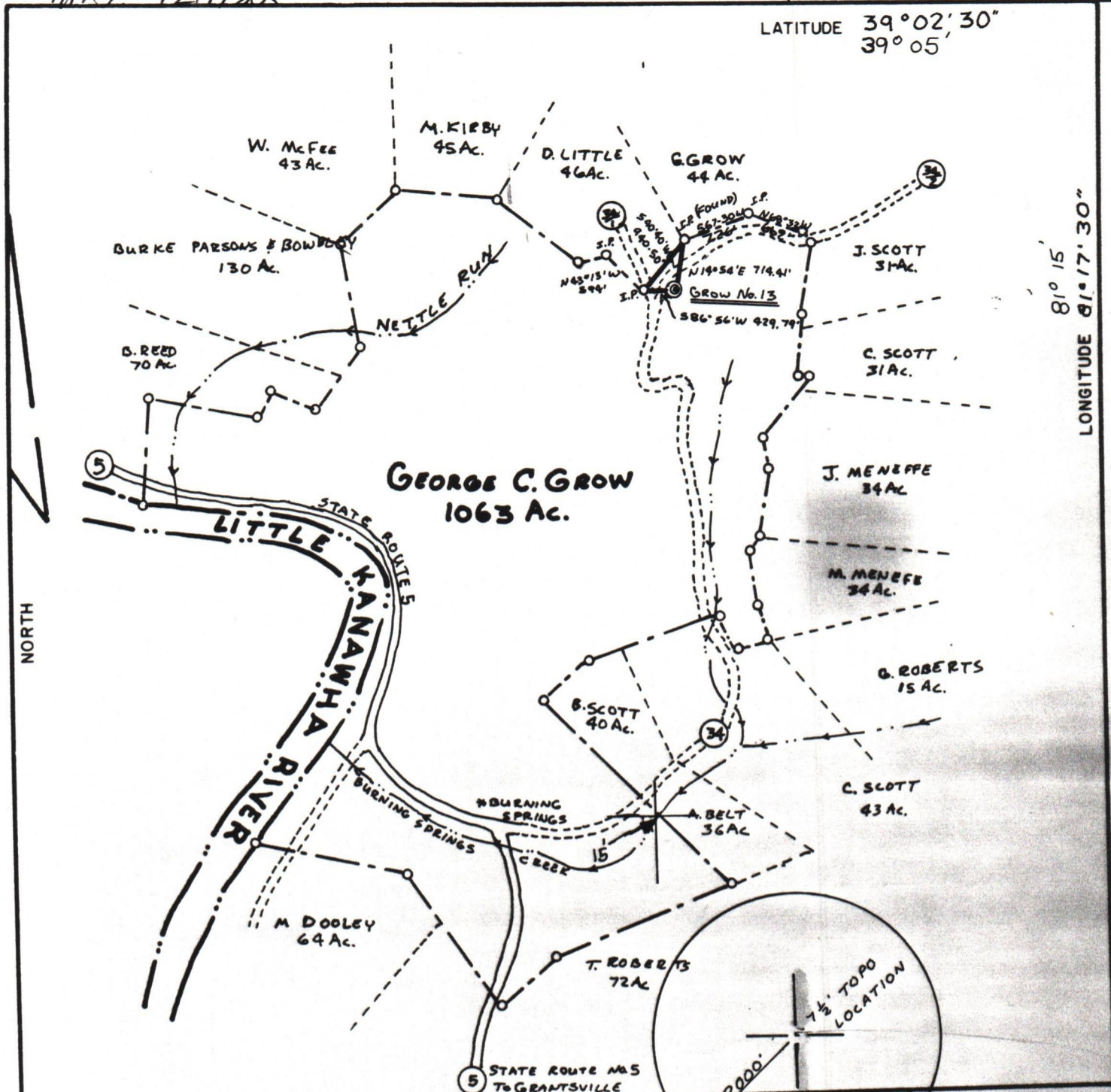
01/12/2024

*George C. Grow, Jr.*  
GEORGE C. GROW, JR.

M.S. 12/1/82

LATITUDE 39°02'30"  
39°05'

LONGITUDE 81°17'30"  
81°15'



FILE NO. F.B. 35  
DRAWING NO. 82142  
SCALE 1"=2000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION B.M. 1045 WEST OF LOCATION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
(SIGNED) [Signature]  
R.P.E. L.L.S. 434

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-6  
(8-78)



Department of Mines  
Oil & Gas Division

DATE 11-27, 19 82  
OPERATOR'S WELL NO. Grow No. 13  
API WELL NO. 47-105-1029  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
LOCATION: ELEVATION 1047.50' WATER SHED BURNING SPRINGS  
DISTRICT BURNING SPRINGS COUNTY WIRT  
QUADRANGLE GIRTA (75')  
SURFACE OWNER GEORGE GROW ACREAGE 1063  
OIL & GAS ROYALTY OWNER GEORGE GROW LEASE ACREAGE 1063  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATIO DEVONIAN SHALE ESTIMATED DEPTH 4800'  
WELL OPERATOR WAYMAN BUCHANAN DESIGNATED AGENT LEROY HOPKINS  
ADDRESS SAN ANTONIO, TEXAS ADDRESS KENNA WVA

01/12/2024

8. If prior to discovery and production of oil or gas on the leased premises or on acreage pooled therewith, Lessee should drill a dry hole or if after discovery and production of oil or gas the production thereof should cease from any cause, this lease shall not terminate if Lessee commences operations for drilling, deepening, plugging back, or reworking on or before the delay rental paying date next ensuing after the expiration of ninety (90) days from date of completion of dry hole or cessation of production. If at a subsequent to ninety (90) days prior to the beginning of the last year of the primary term and prior to the discovery and production of oil or gas on the leased premises or on acreage pooled therewith, Lessee should drill a dry hole thereon, no delay rental payment or operations are necessary in order to keep the lease in force during the remainder of the primary term. If at the expiration of the primary term, oil or gas is not being produced on the leased premises or on acreage pooled therewith, but Lessee is then engaged in drilling, deepening, plugging back, or reworking operations thereon or shall have completed a dry hole thereon within ninety (90) days prior to the end of the primary term, the lease shall remain in force so long as operations on said well or for drilling, deepening, plugging back, or reworking of any additional well are prosecuted with no cessation of more than ninety (90) consecutive days and, if they result in production of oil or gas, so long thereafter as oil or gas is produced from the leased premises, or on acreage pooled therewith.

9. Lessee, at any time, and from time to time, may surrender this lease as to all or any part or parts of leased premises by tendering an appropriate instrument of surrender to the Lessor or file for record a release or releases of this lease as to any part or all of said land or of any mineral or horizon thereunder, and thereupon this lease, and the rights and obligations of the parties hereunder, shall terminate as to the part or parts so surrendered. Upon each surrender as to any part or parts of leased premises the rental and all other payments specified above shall be proportionately reduced on an acreage basis and Lessee shall have reasonable easements for then existing pipelines or roadways on the lands surrendered for the purpose of conducting operations on the lands retained. Lessee shall have the right at any time during or after the expiration of this lease to remove all machinery, pipelines, fixtures, buildings, or other structures placed on said premises, including the right to pull and remove all casing.

10. Without impairment of Lessee's rights under the warranty in event of failure of title, it is agreed that if Lessor owns an interest in the oil or gas on, in or under any part of the leased premises less than the entire fee simple estate (whether Lessor's interest is herein specified or not and whether or not this lease purports to cover a whole or a fractional interest), the royalties and delay rentals to be paid Lessor shall be reduced in the proportion that his interest bears to the whole and undivided fee and in accordance with the nature of the interest which Lessor is seized. Said Lessee shall not be required in any event to increase the delay rental or the gas or oil royalty payments hereunder by reason of any royalty or interest in oil or gas that may have been heretofore sold, reserved or conveyed by said Lessor or by his predecessors in title or otherwise and if the Lessor does not have title to all the oil and gas on the leased premises, there shall be refunded such part of all payments made by the Lessee hereunder as shall be proportionate to the outstanding title, and all payments and obligations thereafter to be made shall be reduced in the same proportion.

11. In case of notice of, or an adverse claim to the premises, affecting all or any part of the delay rentals or royalties, Lessee may withhold payment or delivery of the same until such ownership is determined by compromise, or by final decree of a court of competent jurisdiction, and to this end Lessee may file a petition for interpleader.

12. The rights of either party hereunder may be assigned in whole or in part; but no change or division in ownership of the leased premises, delay rentals or royalties or in the status of the party, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee. No change in such ownership or status shall be binding on Lessee until thirty (30) days after Lessee shall have been furnished by U.S. Mail at Lessee's principal place of business with a certified copy of recorded instrument or instruments evidencing same. In the event of assignment hereof in whole or in part, liability for breach of any obligation hereunder shall rest exclusively upon the owner of this lease or of a portion thereof who commits such breach. In the event of the death of any person entitled to any sum hereunder, Lessee may pay or tender the same to the credit of the deceased or the estate of the deceased until such time as proper evidence of the appointment and qualification of an executor or administrator of the estate or if there be none, evidence satisfactory to it as to the heirs or assigns of the deceased and that all debts of the estate have been paid. If at any time two or more parties are entitled to or adversely claim any sum payable hereunder, or any part thereof, Lessee may pay or tender the same either jointly to such parties or separately or to each in accordance with his respective ownership thereof. In event of assignment of this lease as to a separate portion of the leased premises, the delay rentals and shut-in royalties payable hereunder shall be apportionable as between the several leasehold owners ratably according to the area of each, and the failure to pay delay rentals or shut-in royalties on the one segregated portion of the leased premises shall not affect the rights hereunder of the party holding the other segregated portion hereunder. If six or more parties become entitled to royalty hereunder, Lessee may withhold payment thereof unless and until furnished with a recordable instrument executed by all such parties designating an agent to receive payment for all.

13. The breach by Lessee of any obligation arising hereunder shall not work a forfeiture or termination of this lease nor cause a termination or reversion of the estate hereby conveyed. The grounds for cancellation hereof in whole or in part. In the event Lessor considers that operations are not at any time being conducted in compliance with this Lease, Lessor shall have the right to terminate this lease by written notice to Lessee in writing of the facts relied upon as constituting a breach hereof and Lessee, if in default, shall have 60 days after receipt of such notice in which to commence the compliance with the obligations imposed by virtue of this instrument.

14. Lessor shall be entitled, at his sole risk and expense, to 200,000 cubic feet of gas per annum free of cost for use in one domestic dwelling from one producing gas well on the leased premises, providing that said well has sufficient pressure for such use. Lessor agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessee shall not be held liable for any accident or damage caused by Lessor's said use of gas, nor shall Lessee be liable for any shortage or failure in supply of gas for said domestic use.

15. Lessor hereby expressly relinquishes dower and releases and waives all rights under and by virtue of the homestead exemption laws of the state wherein premises are situated as the same in any way may affect the purpose for which this lease is made.

16. Should any one or more of the parties named herein as Lessor fail to execute this lease, it shall nevertheless be binding on the party or parties executing the same and additions may be made to this lease as Lessor, and this lease shall be binding on each party executing the same notwithstanding that such party is not named herein as Lessor; and all obligations of this lease shall inure to the benefit of and be binding on the parties hereto and their respective heirs, legal representatives, successors and assigns, and successive successors and assigns.

17. Lessee's obligations under this lease, whether express or implied, shall be subject to all applicable laws, rules, regulations and orders of any governmental authority having jurisdiction, including restrictions on the drilling and production of wells and the price of oil, gas and other substances covered hereby. When drilling, reworking, production or operations are prevented or delayed by such laws, rules, regulations or orders, or by inability to obtain equipment, services, material, water, electricity, fuel, access or easements, or by war, rebellion, insurrection, riot, strike or labor disputes, or by inability to obtain a satisfactory market for production or failure of purchasers or carriers to take or transport such production or by other cause not reasonably within Lessee's control, this lease shall not terminate because of such prevention or delay, and, at Lessee's option, the period of such prevention or delay shall be added to the term hereof.

18 through 24, inclusive - See Attachment "A"

IN WITNESS WHEREOF, this instrument is executed on the date first above written.

WITNESS  
Barbara H. Catanzaro

George C. Grow, Jr.  
GEORGE C. GROW, JR.

This Document Prepared by:  
Fred D. Clark  
CLARK & THOMPSON, L.C.  
Suite 612, Peoples Bldg.  
Charleston, WV 25301

GEORGE C. GROW, INC.,  
a New Jersey Corporation  
BY George C. Grow,  
Its President

COUNTY OF UNION STATE OF NEW JERSEY  
I, BARBARA H. CATANZARO  
County, in the State aforesaid, do hereby certify that GEORGE C. GROW, JR.

personally known to me to be the same person, whose name IS subscribed to the foregoing instrument, appeared before me this day in person, and that he signed, sealed and delivered the said instrument as HIS free and voluntary act, for the uses and purposes therein set forth, and desired the same to be such.

Given under my hand and Seal, this 21<sup>ST</sup> day of SEPTEMBER A.D. 1982  
My commission expires MARCH 7 1986

BARBARA H. CATANZARO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Mar. 7, 1986  
ACKNOWLEDGMENT

Barbara H. Catanzaro

01/12/2024

COUNTY OF UNION STATE OF NEW JERSEY  
I, BARBARA H. CATANZARO  
County, in the State aforesaid, do hereby certify that GEORGE C. GROW, JR., PRESIDENT OF GEORGE C. GROW, A NEW JERSEY CORPORATION

personally known to me to be the same person, whose name IS subscribed to the foregoing instrument, appeared before me this day in person, and that he signed, sealed and delivered the said instrument as HIS free and voluntary act, for the uses and purposes therein set forth, and desired the same to be such.

Given under my hand and Seal, this 21<sup>ST</sup> day of SEPTEMBER A.D. 1982  
My commission expires MARCH 7 1986  
BARBARA H. CATANZARO  
NOTARY PUBLIC OF NEW JERSEY

Barbara H. Catanzaro

43-431  
53-18

18. LESSOR hereby excepts and reserves all formations from the surface of the herein leased premises to the top of the Big Lime formation.

19. In addition to the one-eighth (1/8) royalty interest reserved by LESSOR in paragraph 5, herein, LESSOR reserves an additional one-thirty second (1/32) royalty interest, so that wherever in paragraph 5, herein, the term "one-eighth, (1/8)" appears, it shall be read as "five-thirty seconds, (5/32)".

20. In addition to the royalty interests specified herein, LESSOR shall receive a One-Sixteenth (1/16th) working interest in any well drilled under the terms of this agreement after LESSEE has recouped all drilling and production costs applicable to such well, together with the recoupment by LESSEE of any and all bonus payments paid to LESSOR and all associated acreage costs paid by LESSEE for the total acreage specified herein. Working interest shall be defined as Eighty per cent (80%) of the gross proceeds from any well less One Hundred per cent (100%) of all costs incurred in the drilling and production of said well. The working interest herein provided to LESSOR shall be a net profits interest and LESSOR shall not be required to prepay any costs incurred by said working interest. It is agreed that drilling costs for each well shall be considered recouped when all monies spent for the drilling of such well have been recovered by LESSEE or when LESSEE has recovered Three Hundred Ten Thousand Dollars (\$310,000.00) per well, whichever amount is less. In addition, bonus payments and all associated acreage costs shall be recouped at the rate of Thirty-Six Thousand Five Hundred Dollars (\$36,500.00) per well until all such costs are recouped, making the total maximum recoupable cost per well prior to LESSOR receiving the aforesaid working interest Three Hundred Forty-Six Thousand Five Hundred Dollars (\$346,500.00). It is.

01/12/2024

1 George C. Grow, Jr.  
GEORGE C. GROW, JR.

expressly understood and agreed that recoupable costs herein defined shall not be recouped from or otherwise affect the prompt and timely payment of any and all royalties herein reserved to LESSOR.

21. Each well drilled by LESSEE on the subject acreage will hold One Hundred and Twelve (112) acres thereof by production within the meaning of Paragraph 3, herein, and the location of such acreage around each well shall be determined by the LESSEE in his sole discretion.

22. LESSEE agrees to commence drilling operations for the first well on the subject acreage within ninety (90) days after the execution hereof. The parties hereto recognize that the acreage which is the subject of this Lease is the same acreage which is the subject of an Assignment between these parties bearing even date herewith, and that the commencement of drilling operations upon any of the properties leased or assigned shall be such as to satisfy any drilling commitment as required in said Assignment or this Lease. In order to hold by production the subject acreage as set forth in paragraph 21 herein, LESSEE agrees thereafter to drill additional wells at the rate of one well per each ninety day period. It is understood and agreed that each ninety day time period shall be cumulative for each well drilled and the drilling of additional wells shall not be required until all ninety day time periods established by previously drilled wells have expired. It is further understood and agreed that the provisions of this paragraph relate only to the manner in which the subject acreage or any part thereof is to be held by production and there is no covenant by LESSEE to drill any specific number of wells nor is there any restriction on the maximum number of wells which LESSEE can drill thereon. If LESSEE does not drill the twenty wells necessary to hold the entire leased premises as a producing property, then LESSEE shall release all acreage which is not held as a producing property. The amount of acreage to be released will be determined by

ANDREA MCCOY


Received for Record on the 29 day of Sept  
1982 at 3:55 O'clock P.  
Recorded in the Office of the Clerk of the County Commission of Wirt County, W. Va.  
In Deed Book No. 106 at page 131  
Barbara Chismont  
Clerk Wirt County Commission  
\$ 4.00 PAID


Filed and admitted to record in the office of the Clerk of the County Commission of Ritchie County, W. Va. SEP 29 1982  
19... at 9:00 o'clock A... M  
Recorded in LEASE  
Book No. 142 Page 725  
Tractor Finda B. Manser KS

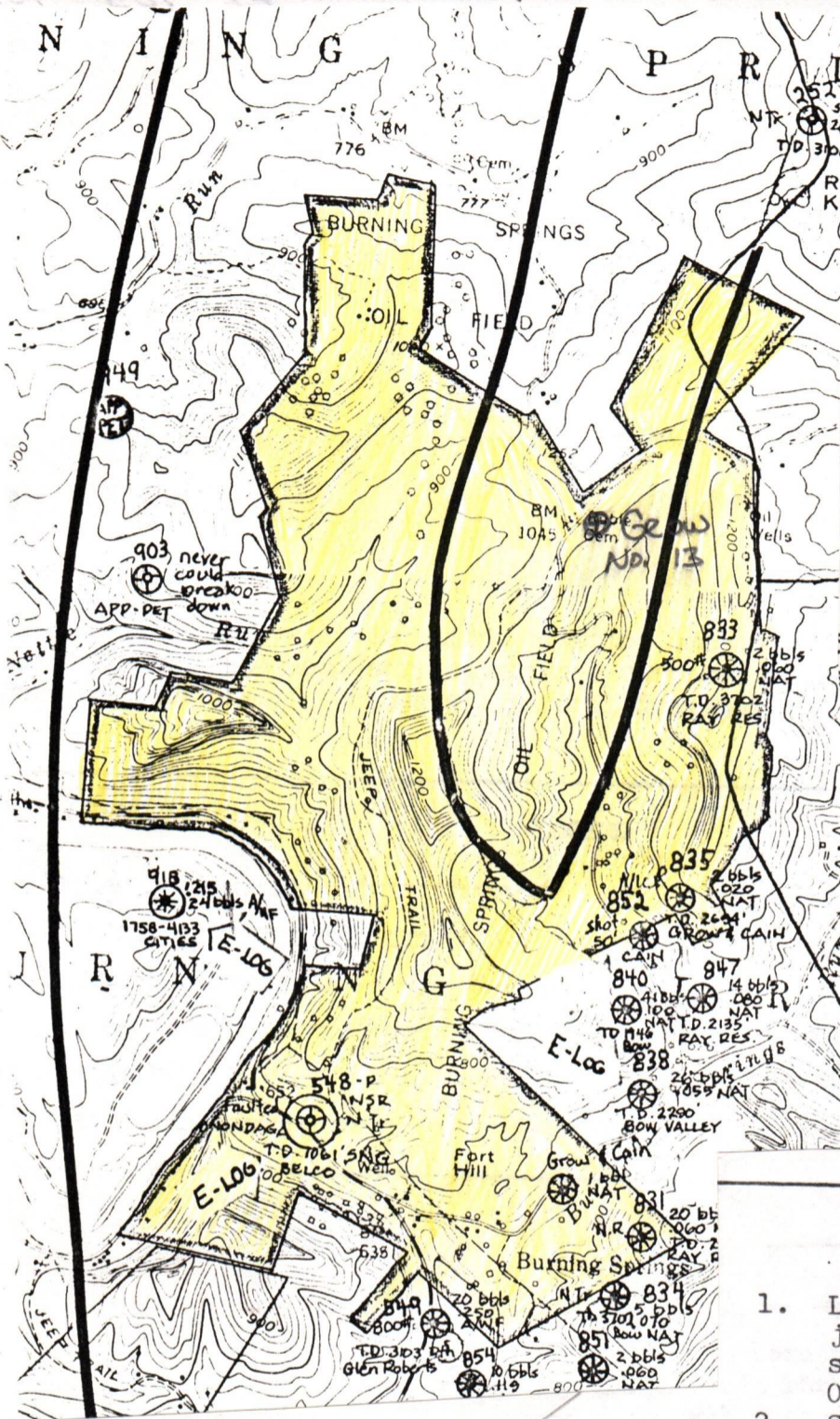
01/23/2024

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE BURNING SPRINGS (7.5')


**LEGEND**


Well Site 


Access Road 





1, roads to be constructed, wellsite, altered to correspond with the first


version 

ring 

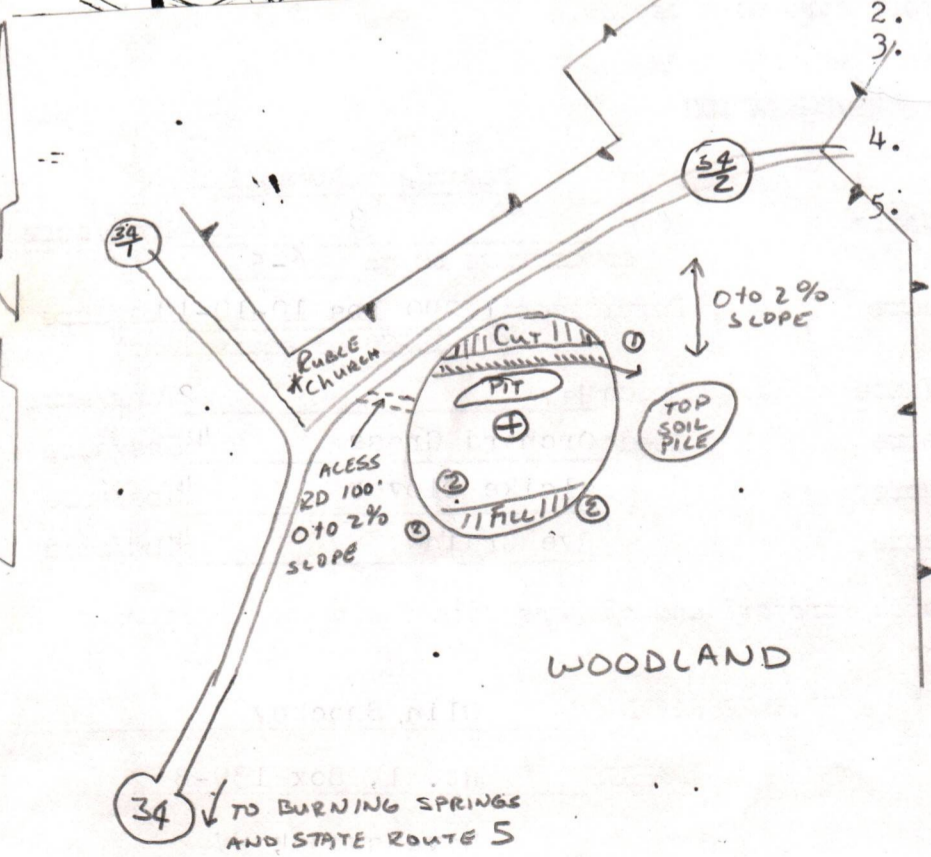
spot 

loading 

in pipe 

barway 

1. Location in on a flat bench just off the county road, small timber and brush, 0 to 2% slope.
2. Size of location 125 X 175'.
3. All timber will be cut and stacked according to land owners wishes.
4. Access road will have side slopes and cross drains.
5. Reclamation will be done 6 mos. after well is completed.



01/12/2024



IV-9  
(Rev 8-81)

DATE Nov. 29, 1982

WELL NO. Grow No. 13

State of West Virginia

API NO. 47-105-1029

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Wayman Buchanan  
Address San Antonio, Texas  
Telephone 512-223-3897

DESIGNATED AGENT Jim P. Morris  
Address Charleston, WV  
Telephone 345-6631

LANDOWNER George Grow

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Unknwon Contractor (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan:

11-29-82  
(Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)  
Spacing \_\_\_\_\_  
Page Ref. Manual 2:12

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual 2:12

Structure Culvert (B)  
Spacing 12" Min-30" Max I. D.  
Page Ref. Manual 2:7 & 2:8

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual 3:6 & 3:7

Structure \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

RECEIVED  
DEC 01 1982

OIL & GAS DIVISION  
DEPT. OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6-5

Lime 3 Tons/acre  
or correct to pH 6-5

Fertilizer 1,000 lbs 10-10-10 lbs/acre  
(10-20-20 or equivalent)

Fertilizer 1,000 lbs 10-10-10 lbs/acre  
(10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed\* Orchard Grass 40 lbs/acre

Seed\* Orchard Grass 40 lbs/acre

Alsike Clover 4 lbs/acre

Alsike Clover 4 lbs/acre

Rye Grain 4 lbs/acre

Rye Grain 4 lbs/acre

01/12/2024

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Olin Shockey

ADDRESS Rt. 1, Box 139-B

Ravenswood, WV  
304-273-2246

PHONE NO. \_\_\_\_\_

NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.