



1) Date: May 19, 19 83  
 2) Operator's Well No. ROWE #2  
 3) API Well No. 47 State 805 County 085 Permit 6571

DRILLING CONTRACTOR:

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: 1091' Watershed: Nutter Fork  
 District: Grant County: Ritchie Quadrangle: Schultz 7.5'
- 6) WELL OPERATOR APPCO Oil & Gas Corp. 11) DESIGNATED AGENT Richard H. Brumbaugh  
 Address 100 S. Orange St., Suite 909 Address 212 Court St.  
Orlando, Fla 32807 Spencer, WV 25276
- 7) OIL & GAS ROYALTY OWNER Russell K. Rowe, et.al. 12) COAL OPERATOR N/A  
 Address Rt. 1 Address \_\_\_\_\_  
Cairo, WV 26337
- 8) SURFACE OWNER Russell K. Rowe 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address Rt. 1 Name \_\_\_\_\_  
Cairo, WV 26337 Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Deo Mace  
 Address Rt. 1 Box 65  
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, Marcellus
- 17) Estimated depth of completed well, 5500' feet
- 18) Approximate water strata depths: Fresh, 110' 291 feet; salt, N/A feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No
- 20) CASING AND TUBING PROGRAM

RECEIVED  
JUN - 7 1983  
OIL & GAS DIVISION  
DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	H40		X			200'	Fill to surface	
Fresh water	8 5/8	ERW		X		1091'	1091'	Fill as required	ETS by Rule 15-05
Coal									Sizes
Intermediate									
Production	4 1/2	ERW		X		5500'	5500'	Fill as required	ETS by Rule 15-05
Tubing									Perforations:
Liners									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: Gregory A. Smith  
 My Commission Expires 12-7-92
- Signed: John M. Griffin  
 Its: Vice Pres.

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-085-6571 Date July 7 08/18/2023

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 March 7, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: BB Agent: lo Plat: PL Casing: PL Fee: 2700

[Signature]  
 Administrator, 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 08/18/2023 has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

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

By \_\_\_\_\_

Its \_\_\_\_\_



08/18/2023



State of West Virginia

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Appco Oil & Gas Corp. DESIGNATED AGENT Richard H. Brumbaugh

Address 100 South Orange St. Suite St. 909, Florida 32807 Address 212 Court St. P.O. Box 139 Spencer, WV 25276

Telephone 305-671-9671 Telephone 304-927-1670

LANDOWNER Russell Rowe SOIL CONS. DISTRICT Little Kanawha

Appco Oil & Gas Corp. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-2-83

(Date) *Janeell Newton* (SCD Agent)

ACCESS ROAD

(A) Structure Drainage Ditch

Spacing N/A

Page Ref. Manual 2-12

(B) Structure Cross Drain

Spacing as required per grade

Page Ref. Manual 2-1

(C) Structure Road Culvert

Spacing one 16"

Page Ref. Manual 2-7

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 & II

Lime Tons/acre or correct to pH 6.5

Fertilizer lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Seed \* KY-31 35 lbs/acre

Ladino Clover 5 lbs/acre

lbs/acre

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

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

PLAN PREPARED BY Smith Land Surveying Co.

ADDRESS 111 South Street

Glenville, WV 26351

PHONE NO. 304-462-5634

Lime Tons/acre or correct to pH \_\_\_\_\_ Fertilizer lbs/acre (10-20-20 or equivalent) \_\_\_\_\_ Mulch Tons/acre \_\_\_\_\_ Seed\* lbs/acre \_\_\_\_\_ lbs/acre \_\_\_\_\_

DEPT. OF MINES OIL & GAS DIVISION

JUN - 7 1983

Page Ref. Manual 2-16

(2) Material Logs & Stone

(2) Structure Sediment Barrier

Page Ref. Manual 2-12

Material Earthen

(1) Structure Diversion Ditch

LOCATION

Structure Diversion Ditch

Material Earthen

Page Ref. Manual 2-12

(2) Structure Sediment Barrier

Material Logs & Stone

Page Ref. Manual 2-16

(3) Structure \_\_\_\_\_

Material \_\_\_\_\_

Page Ref. Manual 2-7

(C) Structure Road Culvert

Spacing one 16"

Page Ref. Manual 2-1

(B) Structure Cross Drain

Spacing as required per grade

Page Ref. Manual 2-12

(A) Structure Drainage Ditch

Spacing N/A

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
STATUS INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

18 SEP 85 11: 10

REC'D. - CHAS.

Permit No. 47-085-6571 County. RITCHIE - GRANT (Dist)  
 Company. APPCO OIL & GAS CORP. Farm. RUSSELL ROWE  
 Inspector. SAMUEL N. HERSMAN Well No. 2  
 Date. 9-10-85 Issued. JULY 7-83

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	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

COMMENTS: (Please cancel)  
no well work done

I have inspected the above well and (Have/Have Not) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas-Department of Mines of the State of West Virginia.

SIGNED: Samuel N. Hersman

DATE: 9-10-85

08/18/2023



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 DIVISION OF OIL AND GAS  
 1615 Washington Street, East  
 Charleston, West Virginia 25311  
 Telephone: 348-3500

September 23, 1985

ARCH A. MOORE, JR.  
 Governor

Appco Oil & Gas Corporation  
 3555 Timmons Lane, Suite 730  
 Houston, Texas 77027

In Re: Permit No: 47-085-6571  
 Farm: Russell K. Rowe  
 Well NO: 2  
 District: Grant  
 County: Ritchie  
 Issued: 7-07-83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. ONLY the Column checked below applies:

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

Please return the enclosed cancelled single bond which covered the well designated by the above captioned permit number to the surety company that executed said bond \_\_\_\_\_ in your behalf, in order that they may give you credit on their records.

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

XXXXX PERMIT CANCELLED - NEVER DRILLED

Respectively,

Theodore M. Streit

TMS/ nw

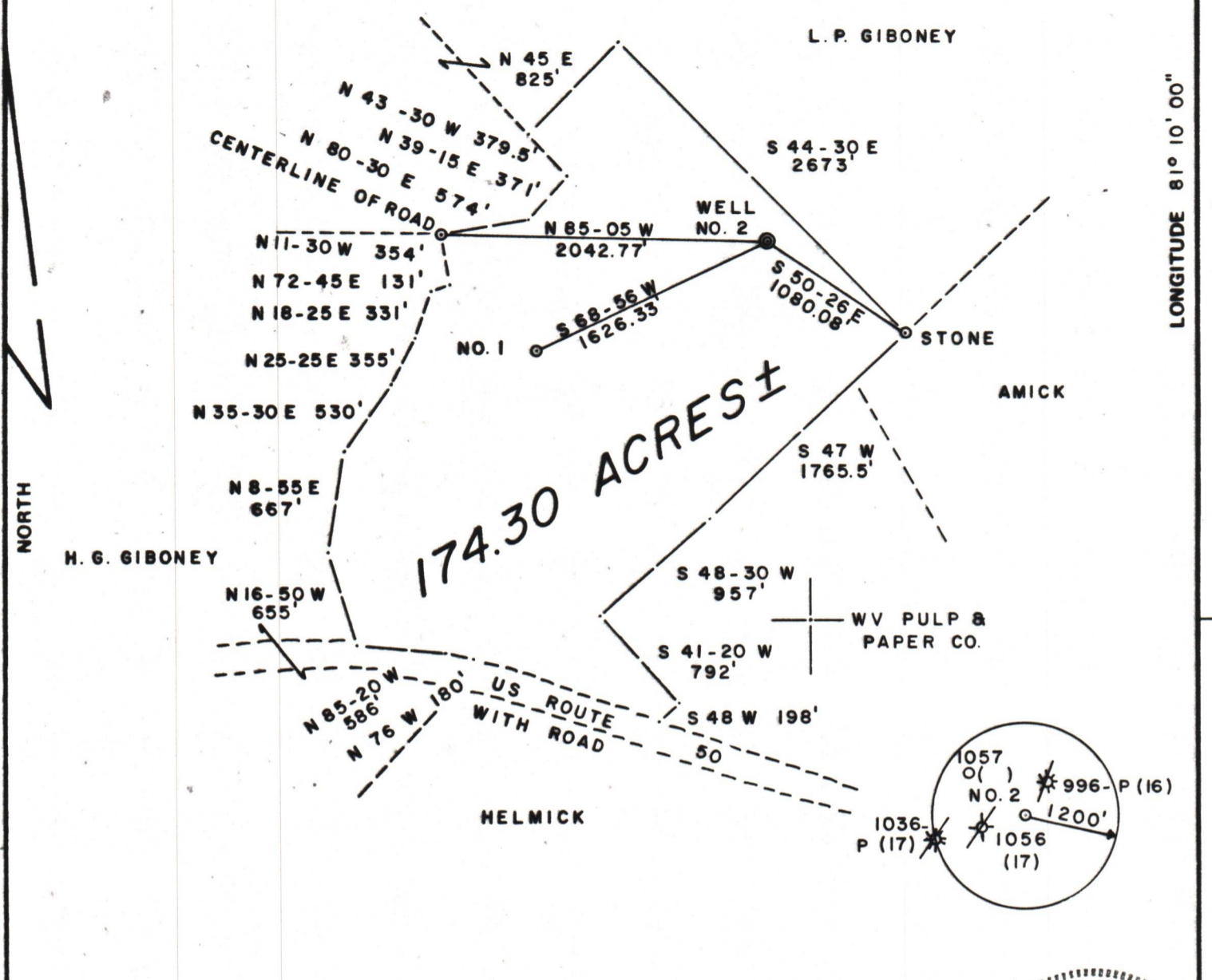
08/18/2023

6-28-83

5,080'

LATITUDE 39° 17' 30"

# ROWE LEASE WELL NO. 2



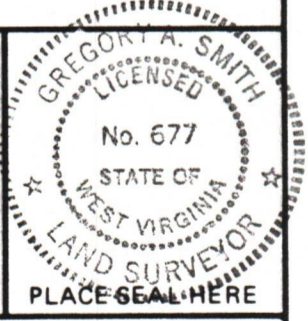
LONGITUDE 81° 10' 00"

NORTH

9,930'

FILE NO. 10-71  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION JUNCT. OF ROADS  
ELEV. 1017'

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) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677



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



DATE MAY 18, 19 83  
 OPERATOR'S WELL NO. 2  
 API WELL NO. 47-085-6571  
 STATE COUNTY PERMIT

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

*Cancelled*

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1091' WATER SHED NUTTER FORK  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE SCHULTZ 7.5'  
 SURFACE OWNER RUSSELL K. & MOLLY G. ROWE ACREAGE 174.30  
 OIL & GAS ROYALTY OWNER RUSSELL K. ROWE, et. al. LEASE ACREAGE 174.30 **08/18/2023**  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 FORMATION MARCELLUS ESTIMATED DEPTH 5500'  
 WELL OPERATOR APPCO OIL & GAS CORP. DESIGNATED AGENT RICHARD H. BRUMBAUGH  
 ADDRESS 100 S. ORANGE ST. SUITE 909 ADDRESS 212 COURT ST.  
ORLANDO, FLA 32807 SPENCER, WV 25276

RIT-6571