

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1115' Watershed: Heavener Fork
District: Murphy County: Ritchie Quadrangle: Smithville 7.5'
WELL OPERATOR Rosalee Roberts & Betty Jean Stalnaker d/ba R. & S. Gas Co. DESIGNATED AGENT Betty Jean Stalnaker
Address Rt. 4, Box 36-13 Address Rt. 4, Box 36-13
Weston, WV 26452 Weston, WV 26452

OIL & GAS ROYALTY OWNER L. O. Heffner Heirs
Address Rt. 742, Box 2
Big Springs, WV
Acreage 112
SURFACE OWNER Paul Ayers
Address Harrisville, WV
Acreage _____

COAL OPERATOR None
Address _____
COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name Cabot Corporation
Address P. O. Box 1473
Charleston, WV

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____
**OIL & GAS DIVISION
DEPT. OF MINES**

OIL & GAS INSPECTOR TO BE NOTIFIED
Name K. Paul Goodnight
Address Smithville, WV 26178
Phone 304-477-3660

RECEIVED
MAR 13 1981

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated March 18, 19 76, to the undersigned well operator from Charles A. Welch et al

[If said deed, lease, or other contract has been recorded:]
Recorded on April 1, 19 76, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Deed Book 280 at page 624. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

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.

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 343-3092

Rosalee Roberts & Betty Jean Stalnaker d/b/a R. & S. Gas Co.
Well Operator

By Betty Jean Stalnaker
Its Agent

BOND DRILL

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2300 feet Rotary / Cable tools

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

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

CASING AND TUBING PROGRAM

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									Kinds
Fresh water	8"		20	x		200'	200'	To Surface	
Coal									Sizes
Intermediate									
Production	4 1/2"		10.5	x			2300'	Bulk 15,01	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: 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.

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.

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 11-20-81.

Fred B. Burnett
Deputy Director - Oil & Gas Division

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:

W A I V E R

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.

05/03/2024

Date: _____, 19____

By _____
Its _____



Date February 24, 19 81
Well No. 4
API No. 47 - 085 - 5106
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name R. & S. Gas Company Designated Agent Betty Jean Stalnaker
Address Route 4, Box 36-13 Address Route 4, Box 36-13
Telephone 304-269-5038 Telephone 304-269-5038
Landowner Paul Ayers Soil Cons. District Little Kanawha

Revegetation to be carried out by Betty Jean Stalnaker (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan. 2-27-81 Jarrett Newton
(Date) (SCD Agent)

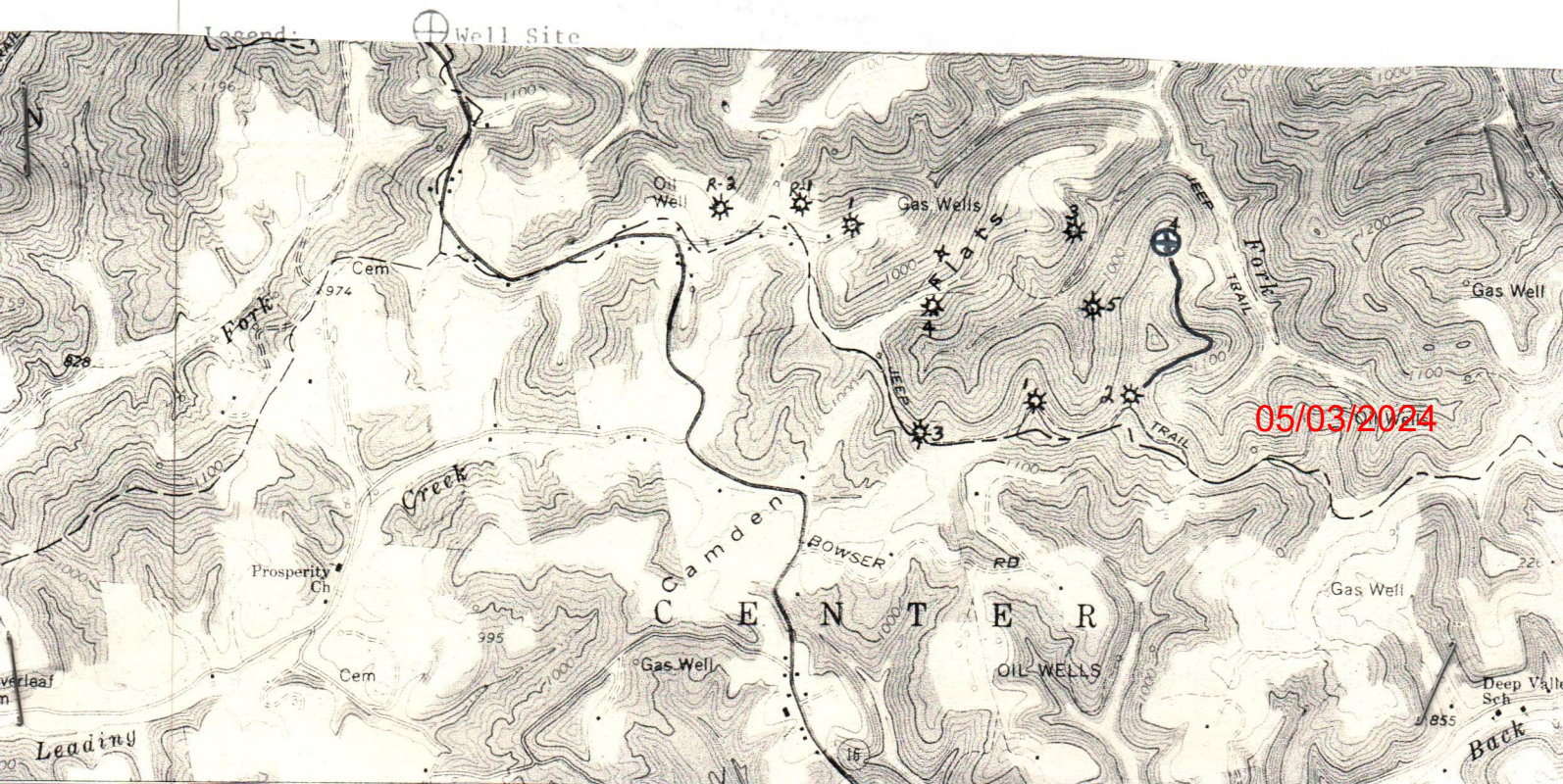
Access Road	Location
Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditches</u> (1)
Spacing <u>Min. Size 12"</u>	Material <u>Earthen</u>
Page Ref. Manual <u>I-8</u>	Page Ref. Manual <u>I-11 1:9</u>
Structure <u>Drainage Ditch</u> (B)	Structure <u>Rip Rap</u> (2)
Spacing _____	Material <u>Rock</u>
Page Ref. Manual <u>I-11</u>	Page Ref. Manual <u>N/A</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.
Commercial timber will be cut and stacked.
No brush or stumps will be put in fill.
Oil & GAS DIVISION
DEPT. OF MINE

Treatment Area I			Treatment Area II		
Lime _____ Tons/acre	Lime _____ Tons/Acre		Lime _____ Tons/Acre	Lime _____ Tons/Acre	
or correct to pH <u>6.5</u>	or correct to pH <u>6.5</u>		or correct to pH <u>6.5</u>	or correct to pH <u>6.5</u>	
Fertilizer <u>600</u> lbs/acre	Fertilizer <u>600</u> lbs/acre		Fertilizer <u>600</u> lbs/acre	Fertilizer <u>600</u> lbs/acre	
(10-20-20 or equivalent)	(10-20-20 or equivalent)		(10-20-20 or equivalent)	(10-20-20 or equivalent)	
Mulch <u>(Hay) 2</u> Tons/Acre	Mulch <u>(Hay) 2</u> Tons/Acre		Mulch <u>(Hay) 2</u> Tons/Acre	Mulch <u>(Hay) 2</u> Tons/Acre	
Seed* <u>Ky 31 30</u> lbs/acre	Seed* <u>Ky 31 30</u> lbs/acre		Seed* <u>Ky 31 30</u> lbs/acre	Seed* <u>Ky 31 30</u> lbs/acre	
<u>Rye 10</u> lbs/acre	<u>Rye 10</u> lbs/acre		<u>Rye 10</u> lbs/acre	<u>Rye 10</u> lbs/acre	

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

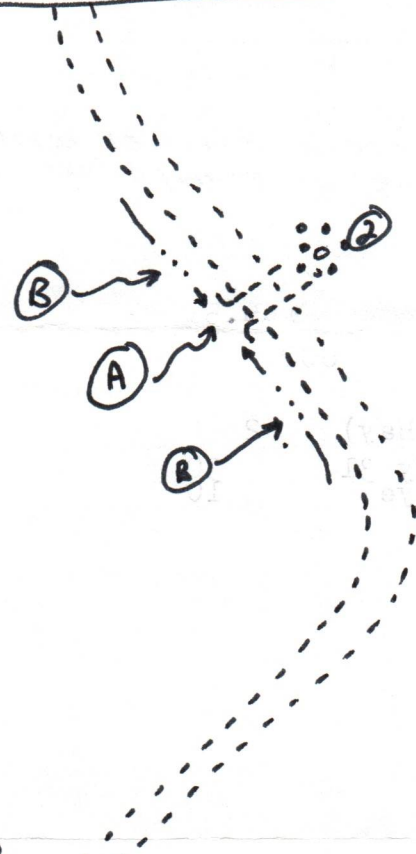
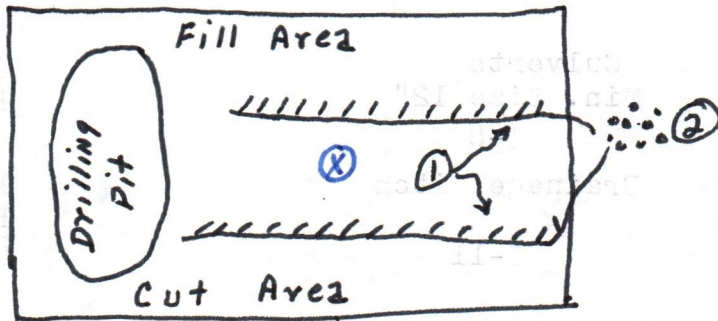
Attach or photocopy section of involved Topographic map. Quadrangle Smithville.



Well Site Plan

- | | | | |
|---------------------------|--|------------|--|
| Legend: Property Boundary | | Diversion | |
| Road | | Spring | |
| Existing Fence | | Wet Spot | |
| Planned Fence | | Building | |
| Stream | | Drain Pipe | |
| Open Ditch | | Waterway | |

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Comments: Slope of well road to approx. 15%. All disturbed areas to be seeded and mulched. Cuts to be on a 2:1 slope or less. Diversion ditches and drainage ditches along road will be maintained after drilling is completed.

Signature: Betty Jean Stalvick Agent Rt. 4, Weston, WV Address 304-269-5038 Phone Number

05/03/2024

Please request landowners cooperation to protect new seeding for one growing season.

Date: 2/28/81, 19__

Operator's Well No. L.O. Heffner #4

API Well No. 47 - 085 5106
State County Permit

STATE OF WEST VIRGINIA

BOND FOR SINGLE OIL OR GAS WELL,
SINGLE LIQUID INJECTION WELL,
OR SINGLE WASTE DISPOSAL WELL

KNOW ALL MEN BY THESE PRESENTS:

That we, R & S GAS CO. as Principal and OHIO FARMERS INSURANCE CO., a corporation with an office and place of business at WESTFIELD CENTER, OHIO, as Surety, are held and firmly bound, jointly and severally, unto the State of West Virginia, Department of Mines, Oil and Gas Division, as Oblige, in the sum of TWENTY-FIVE HUNDRED AND 00/100 DOLLARS (\$2,500.00), lawful money of the United States of America for the payment of which, the Principal and Surety bind themselves, their personal representatives, successors, heirs and assigns firmly by these presents.

Signed, sealed and dated this 28th day of February, 1981

WHEREAS, the above bound Principal in pursuance of the provisions of Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, has made or intends to make application to the Deputy Director for Oil and Gas, Department of Mines, of the State of West Virginia for a permit to drill, redrill, deepen, fracture, stimulate, plug, pressure, convert, combine, physically change, partially plug, case, and/or reclaim a single oil or gas well or liquid injection well or waste disposal well, located on the waters of Heavener Fork in Murphy District, Ritchie County, West Virginia, assigned by said Department of Mines API Well No. 47-_____-_____; and

WHEREAS, the Oblige as a condition precedent to the issuance of such Permit has requested the Principal to furnish a SURETY BOND acceptable to the Oblige guaranteeing the performance of said provisions of Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder;

NOW, THEREFORE, the condition of this obligation is such that if the Principal, its personal representatives, successors, heirs and assigns shall either (1) in drilling, redrilling, deepening, fracturing, stimulating, plugging, pressuring, converting, combining, physically changing, partially plugging, casing and reclaiming of said well do so in full compliance with all laws and regulations relating to the drilling, redrilling, deepening, fracturing, stimulating, plugging, pressuring, converting, combining, physically changing, partially plugging, casing, and reclaiming, and furnish all reports, information and affidavits as may be required by the Department of Mines, Oil and Gas Division, documenting that said well has been plugged and abandoned in accordance with Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, or (2) deposit with the Deputy Director cash from the sale of the oil or gas or both in the amount of TWENTY-FIVE HUNDRED AND 00/100 DOLLARS (\$2,500.00), then this obligation to be void; otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the Principal has hereto set his hand and the said Surety has caused its corporate name to be hereunto signed by Sue W. McCoy, its officer or agent thereunto duly authorized, all of which signed, sealed and dated this 28th day of February, 1981.

R & S GAS CO. PRINCIPAL

By Betty Jean Stalner
Its Agent & Partner

[IF ATTORNEY-IN-FACT IS A NON-RESIDENT]
COUNTERSIGNED BY

OHIO FARMERS INSURANCE CO. SURETY

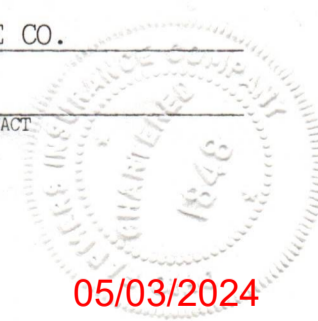
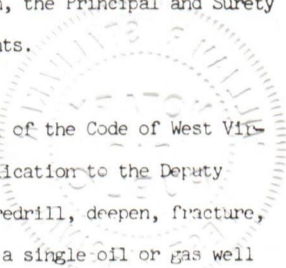
By Sue W. McCoy
ATTORNEY-IN-FACT

(POWER OF ATTORNEY TO BE ATTACHED)

RESIDENT AGENT, STATE OF WEST VIRGINIA

RECEIVED
MAR 13 1981

OIL & GAS DIVISION
DEPT. OF MINES



05/03/2024

STATE OF WEST VIRGINIA
COUNTY OF State Wide, to wit:

(Acknowledgement
for
Individual Principal)

I, William R. Stalnaker a Notary Public in and for
the county and state aforesaid, do certify that Betty Jean Stalnaker
whose name is signed to the foregoing writing, bearing date the 28th day of
February, 1981, has this day acknowledged the same before me in the
county and state aforesaid.

Given under my hand this 4th day of March, 1981.

My commission expires October 4, 1986.

William R. Stalnaker
Notary Public



(NOTARIAL SEAL)

* * * * *

STATE OF WEST VIRGINIA
COUNTY OF _____, to wit:

(Acknowledgement
for
Corporate Principal)

I, _____, a Notary Public in and for the
county and state aforesaid, do hereby certify that _____
_____, who as _____, signed the writing
above, or hereto annexed, for _____, a
corporation, bearing date the _____ day of _____, 19____,
has this day in my said county, before me, acknowledged the said writing to be the act and
deed of said corporation.

Given under my hand this _____ day of _____, 19____.

My commission expires _____.

Notary Public

(NOTARIAL SEAL)

* * * * *

STATE OF WEST VIRGINIA
COUNTY OF CALHOUN, to wit:

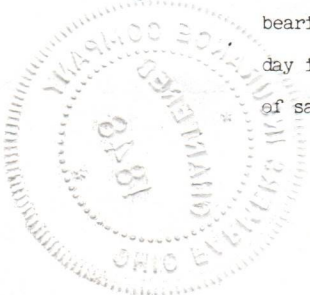
(Acknowledgement
for
Surety)

I, Evelyn S. Campbell, a Notary Public in and for the
county and state aforesaid, do hereby certify that Sue W. McCoy
_____, who as Agent, signed the writing above,
or hereto annexed, for Ohio Farmers Insurance Co., a corporation,
bearing date the 28th day of February, 1981, has this
day in my said county, before me, acknowledged the said writing to be the act and deed
of said corporation.

Given under my hand this 28th day of February, 1981.

My commission expires October 14, 1985.

Evelyn S. Campbell
Notary Public



(NOTARIAL SEAL)

05/03/2024

Ohio Farmers Insurance Co.

Westfield Center, Ohio

Know All Men by These Presents, That OHIO FARMERS INSURANCE COMPANY, a corporation duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, does by these presents make, constitute and appoint F. F. McCoy, Sue W. McCoy, and Evelyn S. Campbell, jointly or severally

of Grantsville and State of West Virginia its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, undertakings, and recognizances; provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed TWO HUNDRED FIFTY THOUSAND (\$250,000) DOLLARS-----

LIMITATION: THIS POWER OF ATTORNEY CANNOT BE USED TO EXECUTE NOTE GUARANTEE, MORTGAGE DEFICIENCY, MORTGAGE GUARANTEE, AND BANK DEPOSITORY BONDS.

and to bind the Company thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions adopted by the Board of Directors of the Ohio Farmers Insurance Company:

"Be It Resolved, that the President, any Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

"Section 1. Attorney-in-Fact. Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary." (Adopted at a meeting held on the 3rd day of July, 1957.)

"Be It Resolved, that the power and authority to appoint Attorney(s)-in-Fact granted to certain officers by a resolution of this Board on the 3rd day of July, 1957, is hereby also granted to any Assistant Vice-President." (Adopted at a meeting held on the 13th day of July, 1976.)

This power of attorney and certificate is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Ohio Farmers Insurance Company at a meeting duly called and held on the 9th day of June, 1970:

BE IT RESOLVED, that the signature of any authorized officer and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached.

In Witness Whereof, OHIO FARMERS INSURANCE COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed this 9th day of July A.D., 1973.

{ Corporate Seal Affixed }



OHIO FARMERS INSURANCE COMPANY

By R. M. McGhee Vice President

State of Ohio }
County of Medina } ss.:

On this 9th day of July A.D., 1973, before me personally came R. M. McGhee to me known, who, being by me duly sworn, did depose and say, that he resides in Westfield Center; that he is Vice President of OHIO FARMERS INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.

{ Notarial Seal Affixed }



Robert Wavrek

Notary Public

CERTIFICATE

My Commission Does Not Expire
Sec. 147.03 Ohio Revised Code

State of Ohio }
County of Medina } ss.:

I, David S. Smith, Jr., Assistant Secretary of the OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said Company at Westfield Center, Ohio, this 28th day of February A.D., 1981

BD 5410 B



David S. Smith, Jr.
David S. Smith, Jr., Assistant Secretary

05/03/2024

FORM 1-15 (Optional) MAY 18 1981

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

05/03/2024

WELL OPERATOR'S REPORT
OF
DRILLING, PACING AND/OR SIMULATING, OR PHYSICAL CHANGE

Date: April 30, 19 81
Operator's Well No. 4
API Well No. 17-085-5106
State County Permit

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1115' / Watershed: Heavener Fork
District: Murphy / County: Ritchie / Quadrangle: Smithville 7.5'

WELL OPERATOR Stalnaker dba R. & S. Gas CO-DESIGNATED AGENT
Rosalee Roberts & Betty Jean
Address: Route 4, Box 36-13 / Weston, WV 26452
Betty Jean Stalnaker
Address: Route 4, Box 36-13 / Weston, WV 26452

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug old formation / Perforate new formation
Other physical change in well (specify)

PERMIT ISSUED ON March 20, 19 81
OIL & GAS INSPECTOR FOR THIS WORK: K. Paul Goodnight
Name: K. Paul Goodnight
Address: Smithville, WV

GEOLOGICAL TARGET FORMATION: Big Injun
Depth: 2300 feet
Depth of completed well: 2305 feet
Rotary / Cable Tools
Water strata depth: Fresh, feet; salt, feet.
Coal seam depths: Is coal being mined in the area?
Work was commenced April 7, 19 81, and completed April 11, 19 81

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	Weight per ft	Used for New	FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
Conductor	8"	20	X	204'	100 SACKS	To surface
Fresh water	8"	20	X	204'	100 SACKS	To surface
Coal					Sizes	
Intermediate						
Production	4 1/2"	10.5	X	2234'	70 SACKS	Depths set
Tubing						
Lines						
						Performances:
						Top
						Bottom
						2179

OPEN FLOW DATA
Producing formation: Big Injun
Pay zone depth: 2120-49 feet

Gas: Initial open flow, 200 Mc/d
Final open flow, 200 Mc/d
Time of open flow between initial and final tests, 2 1/2 hours
Static rock pressure, 400 psig (surface measurement) after 48 hours shut in

Second producing formation
Gas: Initial open flow, Mc/d
Final open flow, Mc/d
Time of open flow between initial and final tests, hours
Static rock pressure, psig (surface measurement) after hours shut in

(Continue on reverse side)

[08-78]

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

Perforated at 2120-33 with 6 - .49" holes.
Perforated at 2146-49 with 3 - .49" holes.

Well was fractured with 456 barrels of water and 50,000 pounds of sand. Formation broke down at 2750 psi and treated at an average pressure of 2200 psi.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Slate & shale			0	1700	
Salt sand			1700	1742	
Shale & sand			1742	1914	
Maxon sand			1914	1928	
Shale			1928	1954	
Red rock			1954	2006	
Little lime			2006	2024	
Pencil cave			2024	2042	
Big lime			2042	2092	
Keener sand			2092	2108	
Big Injun sand			2108	2172	Show of gas 2120-49
Shale			2172	2273	
Weir sand			2273	2305	
Total depth			2305		

(Attach separate sheets to complete as necessary)

Rosalee Roberts & Betty Jean
Stalnaker d/b/a R. & S. Gas Company
Well Operator

By Betty Jean Stalnaker
Its Agent

05/03/2024

NOTE: Regulation 2.02(f) 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."

STATE OF TEXAS
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

APR 14 1981

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL

Permit No. R.I-5106

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>R. S. Gas Co</u>				
Address _____	Size			
Farm <u>L. O. HOFFNER</u>	16. _____			Kind of Packer _____
Well No. <u>4</u>	13. _____			Size of _____
District <u>Murphy</u> County <u>Ritchie</u>	10. _____			
Drilling commenced <u>4-7-81</u>	8 1/4 <u>8 5/8</u>		<u>200</u>	
Drilling completed _____ Total depth _____	6 3/4 _____			Depth set _____
Date shot _____ Depth of shot _____	5 3/16 _____			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3 _____			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2 _____			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>200</u> No. FT _____ Date _____			
Fresh water _____ feet _____ feet	<u>Cem to Surface</u> NAME OF SERVICE COMPANY <u>70 SICS Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names HUFFMAN - (T.D)

Remarks: Cent - Gene Stolwaker Rotary - Fluid

4 605 -

4 - 9-81
 DATE

B. B. Goodnight 505
 DIRECTOR
 05/03/2024

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location				
	PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING		
	CEMENT-THICKNESS	WOOD-SIZE			LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DATE _____



RECEIVED

MAY 31 1985

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

COMPANY R + S Gas Co.

Weston WV

PERMIT NO 47-085-5106

FARM & WELL NO AYERS + HEFFNER
WELL # 4

DIST. & COUNTY MURPHY - RITCHIE

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 Samuel W. Fersman

DATE 5-21-85

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

May 31, 1985

DATE

05/03/2024

RECEIVED
MAY 19 1981

1.0 API well number: (If not available, leave blank. 14 digits.)	47-085-151061000			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	↑	OIL & GAS DIVISION DEPT. OF MINES Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2172 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	R. & S. Gas Company Name		021548 Seller Code	
	Route 4, Box 36-13 Street			
	Weston,	WV	26452	
	City	State	Zip Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Murphy District Field Name			
	Ritchie	WV		
	County	State		
(b) For OCS wells:	Area Name _____ Block Number _____			
	Date of Lease			
	Mo. Day Yr. _____ OCS Lease Number _____			
(c) Name and identification number of this well: (35 letters and digits maximum.)	L. O. Heffner #4			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Big Injun			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Cabot Corporation Name		002733 Buyer Code	
(b) Date of the contract:	10, 01, 78 Mo. Day Yr.			
(c) Estimated annual production:	10.0 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.)	1.600	---	---	1.600
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.428	---	---	2.428
9.0 Person responsible for this application:	Betty Jean Stalnaker Agent			
Agency Use Only Date Received by this Agency Date Received by FERC	Name Betty Jean Stalnaker		Title	
	Signature <i>Betty Jean Stalnaker</i>			
	Date Application is Completed May 15, 1981		Phone Number 304-269-5038	

05/03/2024

JUL 20 1981

PARTICIPANTS:

DATE: _____

BUYER-SELLER CODE

WELL OPERATOR: R. + S. Gas Company

021548

FIRST PURCHASER: Cabot Corp.

002733

OTHER: _____

CK - 1000'
ok - quad

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
81-5-19-103-085-5106
Use Above File Number on all Communications
Relating to Determination of this Well

Qualifies J. H. Hargy

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- ITEM NO. 1. FERC -121 / Items not completed - Line No. 70+8.0 b,c
- 2. IV-1 Agent / Betty Jean Stalaker
- 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: 4-7-81 Date completed 4-11-81 Deepened —
- (5) Production Depth: 2120-49
- (5) Production Formation: Big Injun
- (5) Final Open Flow: 200 mcf
- (5) After Frac. R. P. 400# 48
- (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? —

05/03/2024

F

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

Date May 15 1981

Operator's Well No. 4
API Well No. 47 - 085 - 5106
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Betty Jean Stalnaker
ADDRESS Route 4, Box 36-13
Weston, WV 26452

WELL OPERATOR R. & S. Gas Company
ADDRESS Rt. 4, Box 36-13
Weston, WV 26452

LOCATION: Elevation 1115'
Watershed Heavener Fork
Dist. Murphy County Ritchie Quad. Smithville 7.

GAS PURCHASER Cabot Corporation
ADDRESS P. O. Box 1473
Charleston, WV 25325

Gas Purchase Contract No. 1-488
Meter Chart Code N/A
Date of Contract October 1, 1978

* * * * *

Date surface drilling was begun: April 7, 1981

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

400 lbs. Rock Pressure

AFFIDAVIT

I, Betty Jean Stalnaker 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.

Betty Jean Stalnaker

STATE OF WEST VIRGINIA,
COUNTY OF State Wide, TO WIT:

I, William R. Stalnaker Notary Public in and for the state and county aforesaid, do certify that Betty Jean Stalnaker name is signed to the writing above, bearing date the 15th day of May, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 15th day of May, 1981.

My term of office expires on the 4th day of October, 1986.

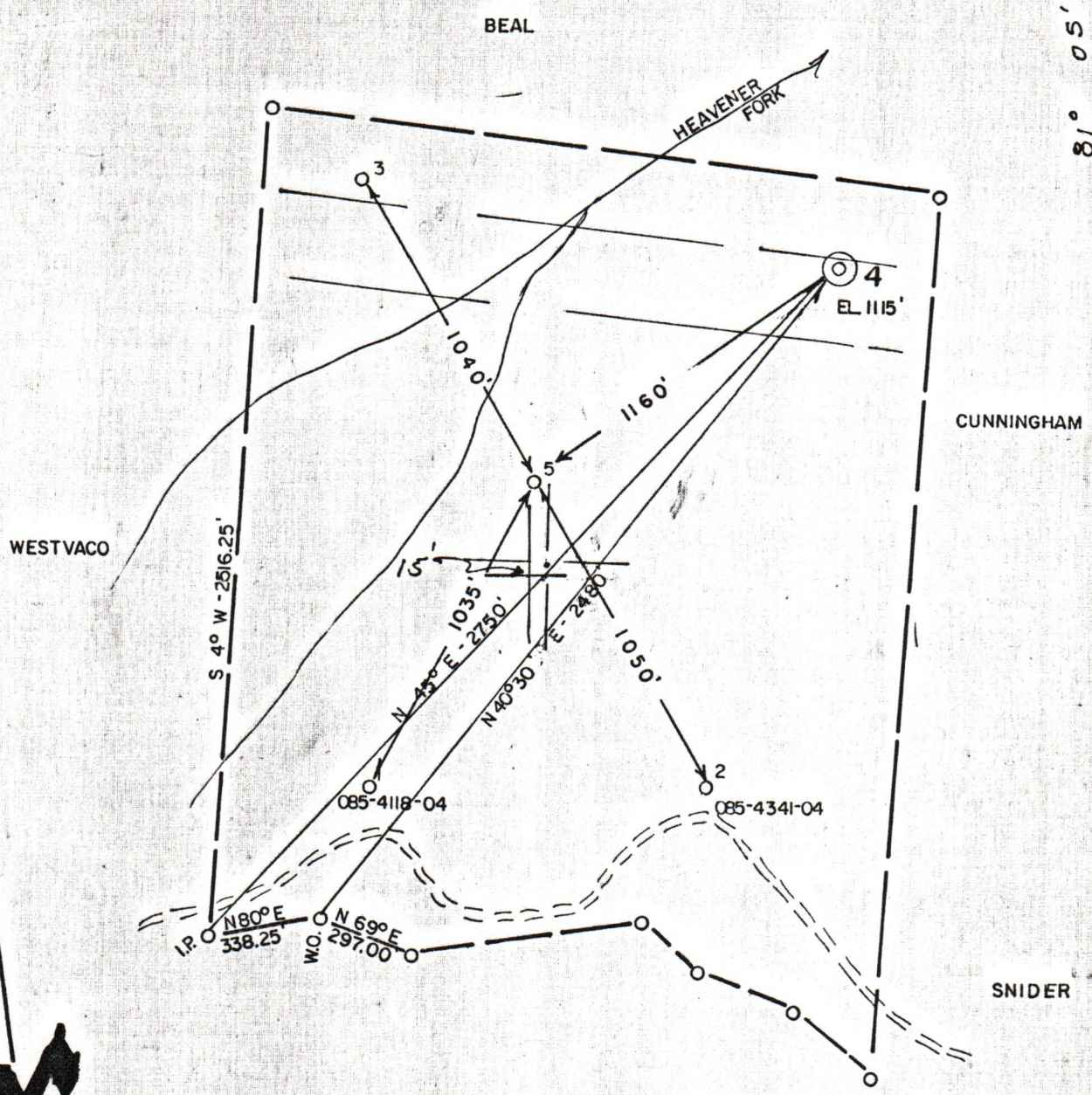
[NOTARIAL SEAL]

William R. Stalnaker
Notary Public

05/03/2024

cl. 8/17

7160' WEST
 Latitude 39° 02' 30"
 39° 05"
 9390' SOUTH
 7160' WEST
 Longitude 81° 02' 30"
 81° 05"



ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation BEREA Oil
 Est. Depth 2600' Gas
 Other

Source of Elevation WELL 2 (1180')
 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 paragraphs 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 of the mining laws of West Virginia.

Company R & S GAS COMPANY
 Address WESTON, WV
 Surface Owner PAUL AYERS
 Mineral Owner L.O. HEFFNER
 Well No. 4 Acres 112
 Elevation 1115'
 Quadrangle SMITHVILLE Series 7.5'
 County RITCHIE District MURPHY
 Date 3/4/80 Scale 1" = 500'

Active
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 47 - 085 - 5106
 STATE COUNTY PERMIT
 05/03/2024
 + Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-127

