



1) Date: July 18, 19 84
 2) Operator's Well No. MS BARNETT #2
 3) API Well No. 47 105-1150
 State _____ County _____ Permit _____

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1142 Watershed: STRAIGHT FORK LK 39B
 District: BURNING SPRINGS County: WIRT Quadrangle: MACFARLAN
- 6) WELL OPERATOR N.G. BUSCH 7) DESIGNATED AGENT K. E. BUSCH
 Address BROHARD, WV 26138 Address BROHARD, WV 26138
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name HOMER DOUGHERTY Name HAUGHT, INC
 Address LINDEN RT. BOX 3-A Address SMITHVILLE WV
LOONEXVILLE WV 25259
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, MARCELLUS SHALE
- 12) Estimated depth of completed well, 5500 feet
- 13) Approximate trata depths: Fresh 2242, 120 feet; salt, 1900 feet.
- 14) Approximate coal seam depths: NONE Is coal being mined in the area? Yes _____ / No

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OIL & GAS DIVISION

15) 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									
Fresh water	<u>10"</u>			<input checked="" type="checkbox"/>		<u>325'</u>	<u>325'</u>	<u>50 SKS</u>	<u>CTS NEAT</u>
Coal									
Intermediate	<u>7"</u>			<input checked="" type="checkbox"/>		<u>2300'</u>	<u>2300'</u>	<u>100 SKS</u>	
Production	<u>4 1/2"</u>			<input checked="" type="checkbox"/>		<u>5500'</u>	<u>5500'</u>	<u>350 SKS</u>	
Tubing									<u>or as required by rule</u>
Liners									<u>Perforations: 15.01</u>
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-105-1150 Date September 13, 19 84

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires September 13, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>26</u> <u>BLANKET</u>	Agent: <input checked="" type="checkbox"/> <u>LD</u>	Plat: <u>MHMN</u>	Casing	Fee <u>1297</u>
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Margaret J. Hase
Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: 1147
 2) WELL OPERATOR: M. Busch, Brohard, WV 26038
 3) PROPOSED WELL WORK: Drill X, Plug off old formation, Perform new formation
 4) GEOLOGICAL TARGET FORMATION: MARCELLUS SHALE
 5) ESTIMATED DEPTH OF COMPLETED WELL: 2500 feet
 6) APPROXIMATE TRUE DEPTH: 2500 feet
 7) APPROXIMATE SEAM DEPTHS: NONE
 8) OTHER PHYSICAL CHANGE IN WELL (SPECIFY):
 9) DRILLING CONTRACTOR: HAUGHT, INC., SMITHVILLE WV
 10) DRILLING CONTRACTOR ADDRESS: 1147
 11) DRILLING CONTRACTOR PHONE: 1147
 12) DRILLING CONTRACTOR CITY: 1147
 13) DRILLING CONTRACTOR STATE: 1147
 14) DRILLING CONTRACTOR ZIP: 1147
 15) DRILLING CONTRACTOR COUNTY: 1147
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 100) DRILLING CONTRACTOR COUNTY: 1147

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

OTHER INSPECTIONS

Reason: _____
 Reason: _____

1) Date: July 18, 1984
2) Operator's Well No. M.S. BARNETT # 2
3) API Well No. 47-105-1150
State County Permi

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name DENZIL J. JONES
Address BROHARD WV 26138

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR NONE
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name _____
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

RECEIVED
AUG 3 1 1984

OIL & GAS DIVISION
DEPT. OF MINES

6) 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.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR N.G. BUSCH
By N.G. Busch
Its OPERATOR
Address BROHARD, WV 26138
Telephone 304 477-3527

N.G. BUSCH
this 18 day of July, 1984.

My commission expires 18 July, 1992.

Carolyn Kay Bennett
Notary Public WIRT County,
State of WV

01/05/2024

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code §§ 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
-----------------------	-----------------------	---------	-----------

01/05/2024

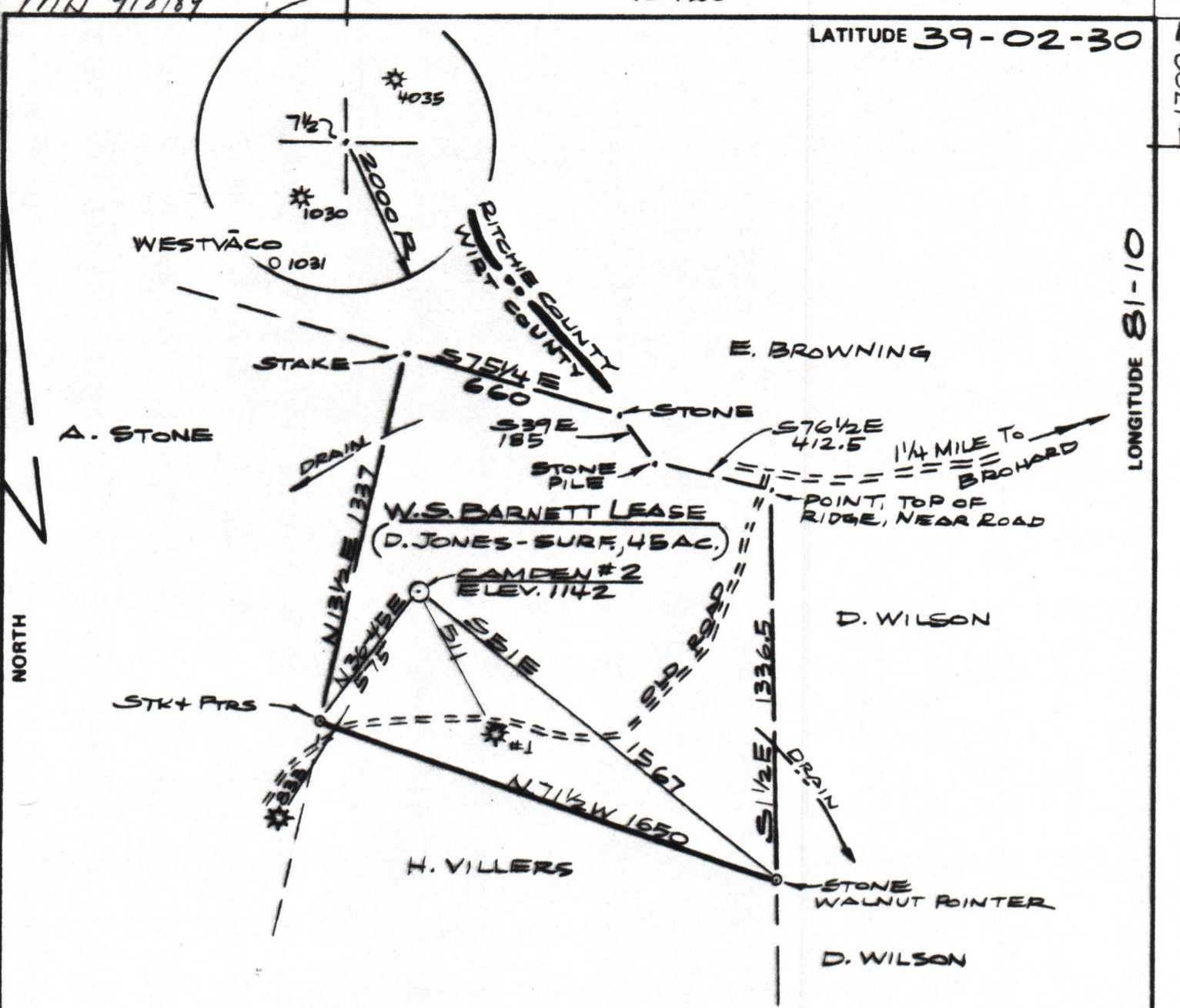
MW 9/8/84

10920

LATITUDE 39-02-30

1700

LONGITUDE 81-10



WELL REFERENCE
 20" B. OAK S58E 126.5
 16" B. OAK N15E 86.0

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION FORKS OF ROAD
ELEV. 941
5000± E. OF LEASE

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) Carroll R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

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



DATE JULY 2, 1984
 OPERATOR'S WELL NO. W.S. BARNETT-2
 API WELL NO. _____
47-105-1150
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1142 WATER SHED STRAIGHT FORK
 DISTRICT BURNING SPRINGS COUNTY WIRT
 QUADRANGLE MACFARLAN 7 1/2
 SURFACE OWNER D. JONES ACREAGE 45
 OIL & GAS ROYALTY OWNER W.S. BARNETT ETAL LEASE ACREAGE 45 01/05/2024
 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 FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5500'
 WELL OPERATOR N.G. + K.E. BUSCH DESIGNATED AGENT K. E. BUSCH
 ADDRESS BROHARD ADDRESS BROHARD
WEST VIRGINIA 26138 WEST VIRGINIA 26138

SURFACE OWNER'S COPY



1) Date: July 18, 1984
 2) Operator's Well No. M/S BARNETT #2
 3) API Well No. 47 / 105-
 State _____ County _____ Permit _____

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1142 Watershed: STRAIGHT FARK
 District: BURNING SPRINGS County: WIRT Quadrangle: MACEARLAN
- 6) WELL OPERATOR N.G. BUSCH 7) DESIGNATED AGENT A. E. Busch
 Address BROHARD, WV 26138 Address BROHARD, WV 26138
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name HOMER DOUGHERTY Name HAUGHT INC
 Address LINDEN RT. BOX 3-A Address SMITHVILLE WV
LOONEXVILLE WV 25259
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, MARCELLUS SHALE
 12) Estimated depth of completed well, _____ feet
 13) Approximate trata depths: Fresh, 120 feet; salt, 1900 feet.
 14) Approximate coal seam depths: NONE Is coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM

RECEIVED
 AUG 31 1984
 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		Kinds	Sizes
Conductor										
Fresh water	<u>10"</u>			<input checked="" type="checkbox"/>		<u>325'</u>	<u>325'</u>	<u>50 SKs</u>		
Coal										
Intermediate	<u>7"</u>			<input checked="" type="checkbox"/>		<u>2300'</u>	<u>2300'</u>	<u>100 SKs</u>		
Production	<u>4 1/2"</u>			<input checked="" type="checkbox"/>		<u>5500'</u>	<u>5500'</u>	<u>150 SKs</u>		
Tubing										
Liners										

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)

Danzil J. Jones Date: 7/18/84
 (Signature)
 _____ Date: _____
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



State of West Virginia

Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

DATE JUNE 28, 1984

WELL NO. MS. BARNETT #2

API NO. 47-105-1150

COMPANY NAME N.G. AND K.E. BUSCH
ADDRESS BROHARD

DESIGNATED AGENT KENDALL BUSCH
ADDRESS BROHARD

WEST VIRGINIA
Telephone 304-477-3527

W. VA.
Telephone 304-477-3527

LANDOWNER D. JONES

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by NOBLE BUSCH (Agent)

This plan has been reviewed by LITTLE KANAWHA SCD. All corrections and additions become a part of this plan: July 17, 1984 (Date)

Field Reviewed.

Janett Newton
(SCD Agent)

LOCATION

ACCESS ROAD

Structure CRUSHED STONE (A)

Structure DIVERSION DITCH (1)

Spacing AS NEEDED

Material Earth

Page Ref. Manual _____

Page Ref. Manual 2-12

Structure CROSS DRAINS (B)

Structure _____ ()

Spacing 135' at 5% slope

Material _____

Page Ref. Manual 2-122-4

Page Ref. Manual _____

Structure OPEN SIDE DITCH (C)

Structure _____ ()

Spacing _____

Material _____

Page Ref. Manual 2-12

Page Ref. Manual _____

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

Treatment Area III

Lime 2 Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH _____

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

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

Mulch HAY OR STRAW 2 Tons/acre

Mulch _____ Tons/acre

Seed* FESCUE 40 lbs/acre

Seed* _____ lbs/acre

REDTOP 5 lbs/acre

_____ lbs/acre

_____ lbs/acre
_____ lbs/acre

_____ lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY DARRELL R. BOICE, L.L.S.

ADDRESS RT 1, BOX 92

ELIZABETH, W. VA.

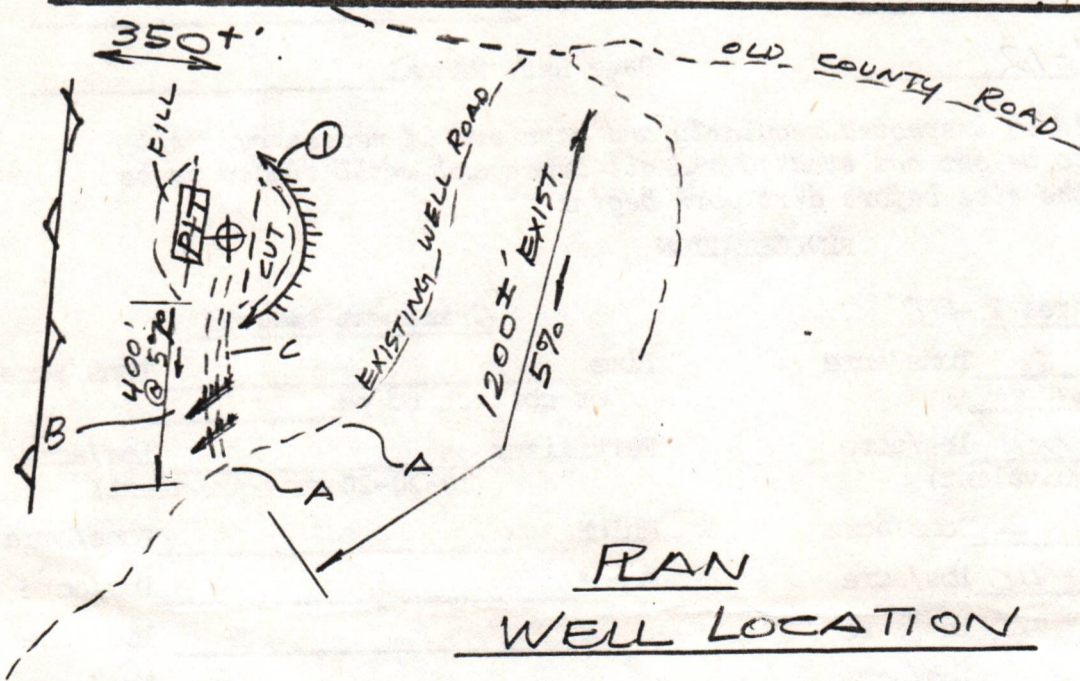
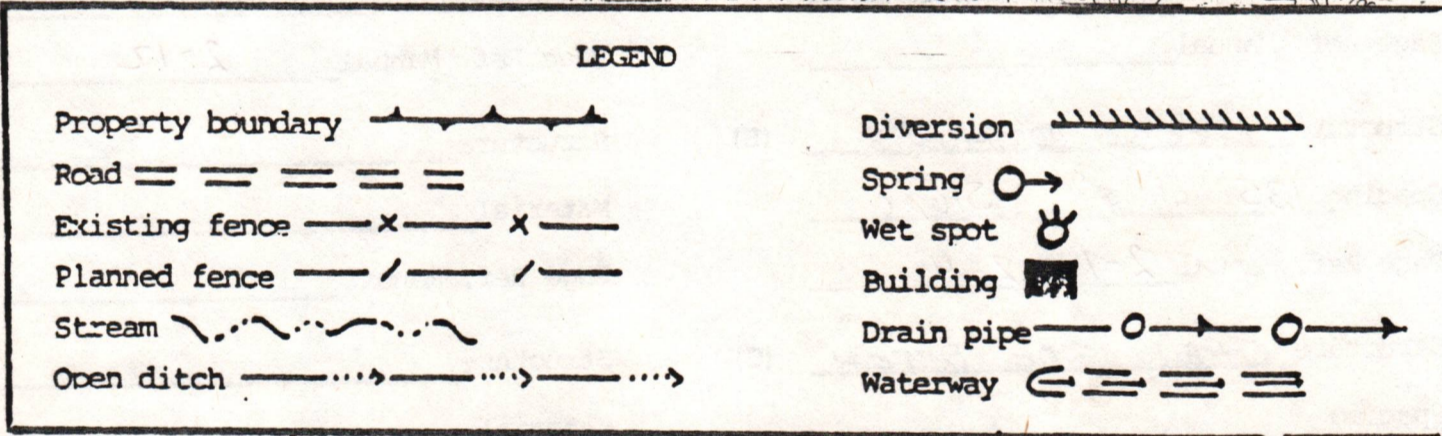
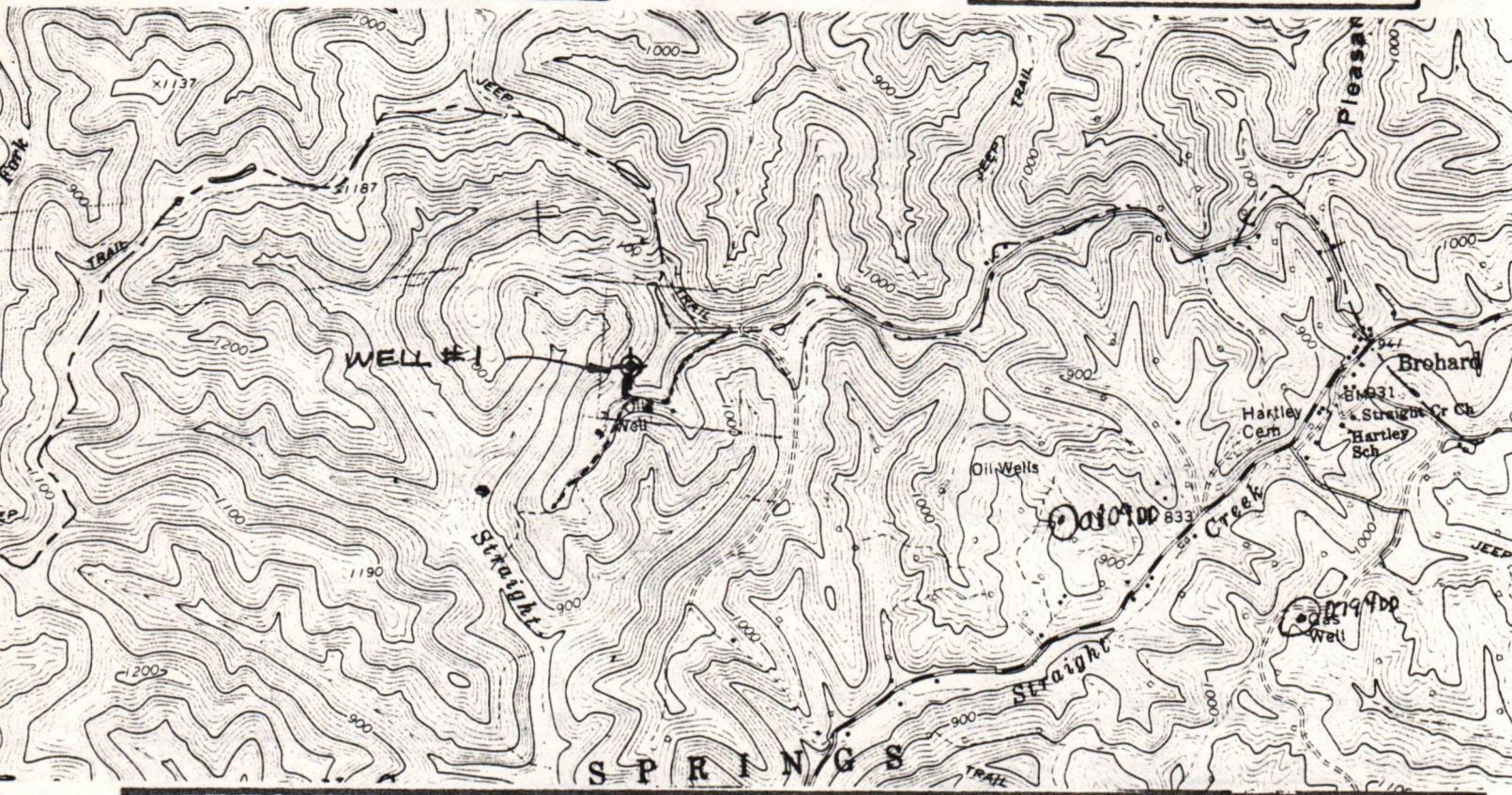
PHONE NO. 474-3654

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

01/05/2024

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MACFARLAN 7 1/2'

LEGEND
WELL SITE ⊕ ACCESS ROAD —



01/05/2024

- Comments:
1. BRUSH AND TREES TO BE CUT AND PILED NEAR THE SITE.
 2. LENGTH OF ACCESS ROAD = ~400'
 3. APPROX 6'-8' VERTICAL CUT
 4. _____
 5. _____

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

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

Well Operator Owner N. G. Busch
Address Gen. Del
Brohard, WV 26138

Pursuant to the provisions of Code § 22-4-1k, and subject to the requirements of Regulation 7.01, the undersigned hereby designates the following person to be the agent of the undersigned for the purpose of receiving process, notices, orders and other communications which may be issued under Chapter 22 of the Code of West Virginia:

Designated Agent K. E. Busch
Address Gen Del
Brohard, WV 26138
Telephone 477 3527

The undersigned represents that said designated agent is a bona fide resident of the State of West Virginia, and has agreed to accept the designation. This designation applies to the following well

- all wells owned or operated by the undersigned in West Virginia
 the wells listed below (Use space below or reverse side or attach list)

[COMPLETE AS APPLICABLE]

The undersigned is hereby recording an existing designation of agent made prior to the initial adoption of Form IV-1.

The undersigned is proposing to own or operate wells in West Virginia for the first time, so that this designation should also be considered the registration by the undersigned with the Deputy Director.

The undersigned has owned and operated a well or wells in West Virginia since the year 19___, but has not heretofore appointed a designated agent.

This designation substitutes a new designated agent for the undersigned, who has owned or operated a well or wells in West Virginia since the year 1946. The present designated agent of the undersigned, who will continue as such, if he is able, until this new designation has been approved, is--

Agent being replaced N. G. Busch
Address Gen. Del.
Brohard, WV 26138

N. G. Busch
Well Owner or Operator
By: N. G. Busch
Its: OWNER

ACCEPTED this Aug 28, 1984

K. E. Busch
(Signature of designated agent)

01/05/2024

Taken, subscribed and sworn to before me this 29th day of August, 1984
Notary Public Helmut W. Vannoy My commission expires Dec 6, 1988

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

Recorded

Wirt Co.

Deed Book 101 @ page 227

RECEIVED

AUG 31 1984

OIL & GAS DIVISION

DEPT. OF MINES

TRUE COPY ~~KB~~

THIS DEED OF ASSIGNMENT, made and entered into this 5th day of October, 1946, by and between Ann Dawson, widow of Shannon Dawson, deceased, and sole devisee under the will of said Shannon Dawson recorded in the office of the Clerk of the County Court of Wood County, West Virginia, in Will Book Number 17 at Pages 233 and 234, presently of the City of Alexandria, Virginia, party of the first part, and N. G. Busch, of Brohard, Ritchie County, West Virginia, party of the second part.

WITNESSETH, that for and in consideration of the sum of Five (\$5.00) Dollars, cash in hand paid, the receipt of which is hereby acknowledged and other valuable considerations, all paid, the receipt of all of which is hereby acknowledged, the said party of the first part, her heirs and assigns, does hereby grant, convey, sell, assign, transfer and set over unto the said party of the second part, his heirs and assigns, a One-Half (1/2) working interest in and to that certain lease for oil and gas made by John Barnett and Mary S. Barnett, his wife, Newton Kemp and Hattie Kemp, his wife, and Charles W. Kemp, widower, to the said H. P. Camden, bearing date the 26th day of November, 1921, embracing a tract of land situate in Burning Springs District, in the County of Wirt, and State of West Virginia, on the waters of Straight Run, bounded as follows:

On the North by lands of Leonard Donley and Newton Kemp;

On the East by lands of Daniel Philipps and others;

On the South by lands of Mary S. Barnett;

On the West by lands of Cairo Oil Company;

containing forty-five (45) acres, more or less; together with the leasehold estates and premises therein created and described, and all oil and gas wells, equipment, supplies and material thereon, belonging to said lease and leasehold; and being the same property conveyed by the Union Trust and Deposit Company, a corporation, as Trustee under

01/05/2024

the will of H. P. Camden, deceased, Union Trust and Deposit Company, a corporation, Executor and Trustee under the will of John B. Samuel, deceased, and D. A. Beatty to Charles B. Hammond and Ralph E. Livingston by deed of assignment dated the 28th day of May, 1937, and recorded in the office of the Clerk of the County Court of Wirt County, West Virginia, in Deed Book No. 88, at Page 466; and being the same property conveyed by Charles B. Hammond, and Shirley A. Hammond, his wife, and Ralph E. Livingston, and Rosalie Livingston, his wife, by deed of assignment to Shannon Dawson and Kenneth Kerns, dated the 31st day of May, 1940, and recorded in the office of the Clerk of the County Court of Wirt County, West Virginia, in Deed Book No. 100, at Page 150.

TO HAVE AND TO HOLD the same unto the said party of the second part, his heirs and assigns, absolutely and forever, subject, however, to all of the terms, covenants, conditions and litigations of said lease, and subject also to the rights, interests and privileges of Hope Natural Gas Company under its gas purchase contract No. 539, entered into with the said H. P. Camden and others, then owners of said lease, under date of the 6th day of April, 1922.

It is further understood and agreed by and between the parties hereto that all future payments for gas produced by and delivered to the Hope Natural Gas Company from said lease on and

01/05/2024

after the first day of October, 1946, will be paid to the party of the second part.

WITNESS the following signatures and seals.

Ann Dawson (SEAL)

_____ (SEAL)

STATE OF VIRGINIA

CITY OF ALEXANDRIA, to-wit:

I, Howard D. Carter, a Notary Public in and for said City of Alexandria, do hereby certify that Ann Dawson, whose name is signed to the foregoing writing, bearing date the 5th day of October, 1946, has this day acknowledged the same before me in my said City.

Given under my hand and seal this 16th day of October, 1946.

Howard D. Carter
Notary Public

My commission expires _____ My Commission Expires March 18th, 1949.

STATE OF WEST VIRGINIA,

COUNTY OF _____, to-wit:

I, _____, a Notary Public in and for the County and State aforesaid, ^{do} hereby certify that N. G. Busch, whose name is signed to the foregoing writing bearing date the 5th day of October, 1946, has this day acknowledged the same before me in my said County.

Given under my hand this _____ day of October, 1946.

Notary Public 01/05/2024

My commission expires _____.

Recorded
Wirt Co.

Deed Book 100 @ page 152

True Copy *KB*

THIS ASSIGNMENT, made this 29th day of March, 1946, between Kenneth Kerns, of Brohard, West Virginia, of the first part, and N.G.Busch, of the second part,

WITNESSETH: That for and in consideration of the sum of fifty (\$50.00) dollars cash in hand paid, the receipt of which is hereby acknowledged, the said party of the first part does hereby grant, bargain, sell, convey, assign, transfer and set over unto the said party of the second part, with covenants of general warranty, all of his undivided interest, being an undivided one-half (1/2) interest, in and to all that certain lease for oil and gas made by John Barnett and Mary S. Barnett, his wife, Newton Kemp and Hattie Kemp, his wife, and Charles W.Kemp, widower, to H.P.Camden, bearing date the 26th day of November, 1921, embracing a tract of land situate in Burning Springs District, in the County of Wirt, and State of West Virginia, on the waters of Straight Run, bounded as follows:

On the North by lands of Leonard Donley and Newton Kemp;

On the East by lands of Daniel Phillips and others;

On the South by lands of Mary S.Barnett;

On the West by lands of Cairo Oil Company;

containing forty-five (45) acres, more or less; together with the leasehold estates and premises therein created and described, and all oil and gas wells, equipment, supplies and materials thereon, belonging to said lease and leasehold; being the same one-half undivided interest assigned to the party of the first part by Charles B.Hammond and others, by assignment bearing date the 31st day of May, 1940.

TO HAVE AND TO HOLD the same unto the said party of the second part, his personal representatives and assigns, absolutely and forever, subject, however, to all of the terms, covenants, conditions and limitations of said lease, and

01/05/2024

subject also to the rights, interests and privileges of Hope Natural Gas Company under its gas purchase contract No. 539, entered into with the said H.P. Camden and others, then owners of said lease, under date of the 6th day of April, 1922.

Witness the following signature and seal.

Witness Paul Flan (SEAL)

Sign. of Seller Kenneth Kerns

STATE OF WEST VIRGINIA,)

COUNTY OF WOOD.)

To-wit:

I, Russel R. Smith, a Notary Public within and for the County and State aforesaid, do certify that Kenneth Kerns, whose name is signed to the foregoing writing bearing date the 29th day of March, 1946, has this day acknowledged the same before me in my said county.

Given under my hand this 29th day of March, 1946

My commission expires May 16 1954

Russel R. Smith
Notary Public.

01/05/2024

01/05/2024



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
Charleston, West Virginia 25311

ARCH A. MOORE, JR.
Governor

Commissioner

This is to acknowledge that the wells listed on the reverse of this form are hereby transferred from N. G. Busch (the transferor) to BUSCH, INC (the transferee).

The transferee by this document is accepting all responsibility for compliance with the provisions of Chapter 22B, Article 1 of the West Virginia Code and all rules and regulations promulgated thereunder, for the listed wells.

The transferee's designated agent (name) K. E. BUSCH, (address) P.O. BOX 67, BROHARD, WV 26138, is on file with the Division of Oil and Gas.

The transferee has bonded the said wells by securities, cash, or surety (circle one) bond identified below by amount, effective date, issuing authority, and any identifying number. 50,000, 6/15/85, Flat Top INSURANCE Agency

Policy # 436115 - Policy Issued to N.G. Busch Transferred to BUSCH INC

(Transferee) Busch, INC

By K. E. Busch

Its President

Taken, subscribed and sworn to before me this 27th day of October, 1985

Notary Public Carolyn Kay Bennett

My commission expires 18 July 1992

(Transferor) N.G. BUSCH

By N. G. Busch

Its OWNER

Taken, subscribed and sworn to before me this 27th day of October, 1985

Notary Public Carolyn Kay Bennett

My commission expires 18 July 1992

ACCEPTED THIS 19th DAY OF Dec, 1985
BY: [Signature]
Director - Division of Oil and Gas

API (Permit) Number	Farm Name	Operator's Well Number
47-013-2525 ✓	F B BUSCH	#1
47 085-3596 ✓	J. A Hays	#1
47 085 0376 ✓	G M Haught	#2
47 085 0301 ✓	E. C. DAWSON #1	#1
47 105 0863 ✓	E C DAWSON #2	#2
47 105 0040 ✓	S. Wilson	#1
47 105 0736 ✓	Wm LIVING #	#1
47 105-0589 ✓	J. R Shuman	#1
47 105-0864 ✓	M S Barnett	#1
47-085-0376 ✓	G M Haught	#2
47-085 4036 ✓	C W Kemp	#1
47 085 4035 ✓	R D DAWSON	#1
47 085 0999 ✓	Wm LIVING	#2
47 105-1150 ✓	M S Barnett	#2

twice

RECEIVED

MAR 11 1985



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES State of West Virginia
Department of Mines
Oil and Gas Division

Date October 31, 1984
Operator's
Well No. Barnett #2
Farm M. S. Barnett
API No. 47 - 105 - 1150

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 /)

LOCATION: Elevation: 1142 Watershed Stright Fork
District: Burning Springs County Wirt Quadrangle Macfarlan

COMPANY N.G. Busch, Inc.
ADDRESS Brohard, WV 26138
DESIGNATED AGENT K. E. Busch
ADDRESS Brohard, WV 26138
SURFACE OWNER Denzil J. Jones
ADDRESS Brohard, WV 26138
MINERAL RIGHTS OWNER Barnett Heirs
ADDRESS Parkersburg, WV 26101
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Looneyville, Wv
PERMIT ISSUED September 13, 1984
DRILLING COMMENCED September 20, 1984
DRILLING COMPLETED September 23, 1984
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	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	314	314	130 sks
9 5/8			
8 5/8			
7	2983	2983	210 sks
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Sandstone Depth 2946 feet
Depth of completed well 3037 feet Rotary X / Cable Tools
Water strata depth: Fresh 190 feet; Salt 2040 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Sandstone Pay zone depth 2946 feet
Gas: Initial open flow 161 Mcf/d Oil: Initial open flow 2 Bbl/d
Final open flow N/A Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 610 psig (surface measurement) after 24 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

(Continue on reverse side)

WIRT 1150

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

Perforation Depths: 8- .49 holes from 2943 to 2946
 Fractured by Dowell/schlumberger
 Material: 12 bbl 15% HCL Acid treated with A-200, W-22, L-53, U-42
 250# J-266(gel), treated with W-22, l-53, f-78
 10,000# 80/100 sand, 20,000# 20/40 sand
 180,000 Standard Cubic Feet of Nitrogen Gas
 Average treatment pressure: 2040psi
 Average treatment rate: 4.9MSCF/minute
 Average fluid rate: 20.16BBL/min
 Total Fluid: 685BBL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	70	
Sand			70	190	Fresh water
Slate & Shells			190	572	
Pink rock			572	746	
Sand			746	951	
Big red rock			951	1172	
Slate & Shells			1172	1241	
Big Dunkard			1241	1256	
Siltstone: md gray			1256	1440	
Sandstone: lt gray			1440	1472	
1st Salt sand			1472	1568	
Siltstone: drk gray			1568	1604	
2nd Salt Sand			1604	1634	
Siltstone: drk gray			1634	1790	
3rd Salt sand			1790	1854	
Siltstone: md gray			1854	1920	
Shale: md gray			1920	1952	
Maxton Sandstone lt tan			1952	2044	Salt water
Big lime: gray/tan			2044	2134	
Big Injun sand lt gray/tan			2134	2178	Show gas
Limestone: gray/tan			2178	2201	
Squaw Sand: lt tan			2201	2212	
Sandstone: md gray			2212	2230	
Shale: drk gray			2230	2260	
Siltstone: drk gray			2260	2310	
Shale: md gray			2310	2410	
Siltstone: md gray			2410	2581	
Brerea Sand: brown shale			2581	2582	
Shale: drk gray			2582	2650	
Siltstone: lt gray			2650	2673	
Fifty foot sand: lt gray			2673	2684	
Siltstone: lt gray			2684	2800	
Shale: drk gray			2800	2910	
Siltstone drk gray			2910	2946	
Gorden Sandstone			2946	2954	Show Oil & gas
Siltstone: drk gray			2954	3037	

(Attach separate sheets as necessary)

N.G. Busch, Inc
 Well Operator
 By: X. Busch Agent 01/05/2024
 Date: 10/31/84

Note: Regulation 2.02(i) 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 WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
SEP 25 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 185-1150

Oil or Gas Well _____
(KIND)

Company N. G. Beesh
 Address Richard, W. Va.
 Farm M. S. Barnette
 Well No. Barnette # 2
 District Br Springs County Wirt
 Drilling commenced 9/20/84
 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 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

Drillers' Names Robert Logan Pusher Alpha Ankron

Remarks: Haight Rig #19

9/20/84 Moved on Rigged up + started drilling surface hole.
9/21/84 Ran 314 ft of 18" surface pipe + cemented with
 125 sacks of neat 3% C. Plug down 10:00 AM
 by Haight cement truck. Cement circulated to surface.

9/21/84
DATE

Homer H. Dougherty
01/05/2024
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
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 above well on this date.
DATE

_____ DISTRICT WELL INSPECTOR
01/05/2024

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

RECEIVED
OCT 2 - 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well
(KIND)

Permit No. 105-1150

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>M. G. Bush</u>	Size			
<u>Broward, W. Va.</u>	16			Kind of Packer
<u>M. S. Barnette</u>	13			
<u>Barnette #2</u>	10			Size of
<u>B. Springs</u> County <u>Wirt</u>	8 1/4			
Drilling commenced <u>9/20/84</u>	6 3/8 <u>7</u>		<u>2993</u>	Depth set
Drilling completed <u>9/23/84</u> Total depth <u>3037</u>	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top
Volume _____ Cu. Ft.				Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>7</u> SIZE <u>2993</u> No. FT. <u>9/24/84</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Dowell</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Robert Gogan Rusher Alpha Ankron

Remarks Haught Rig #19
9/23/84 F. D. of Well 3037 ft.
9/24/84 Ran 2993 ft of 7" pipe & cemented by Dowell
9/25/84 Rig moved off of Location
Talked to Mr. Bush. Location & pit left in good shape with diversion ditches on location.
9/25/84

Homer H. Doughty
DISTRICT WELL INSPECTOR
01/05/2024

Form 26
2/16/82

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

RECEIVED
OCT 9 - 1982

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 above well on this date.

DATE

DISTRICT WELL INSPECTOR
01/05/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
JUN 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

Company: BUSCH, N G & DELTA
Farm: JONES, DENZIL J.

Well: M S BARNETT 2

Permit No. 47-105-1150
County: WIRT

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepped before drilling to prevent waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High pressure drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.01	Required permits at wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.03	Adequate Fresh Water Casings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.02	Adequate Coal Casings	<input type="checkbox"/>	<input type="checkbox"/>
5.01	Adequate Production Casings	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.04	Adequate Cement Strength	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.05	Cement Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

SIGNED James H. Dougherty
DATE 5/28/85

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

[Signature]

Administrator

June 10, 1985

Date

**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.)	<u>47-105-1150 -</u>															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>108</u> Section of NGPA		<u>0</u> Category Code													
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>BUSCH, INC</u> Name <u>P.O. BOX 67</u> Street <u>BROHARD</u> <u>WV</u> <u>26138</u> City State Zip Code			Seller Code												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>BURNING SPRINGS DISTRICT</u> Field Name <u>WIRT</u> <u>WV</u> County State															
(b) For OCS wells:	Area Name _____		Block Number _____													
	Date of Lease: <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center; font-size: 8px;">Mo.</td> <td style="text-align: center; font-size: 8px;">Day</td> <td style="text-align: center; font-size: 8px;">Yr.</td> <td colspan="3"></td> </tr> </table>										Mo.	Day	Yr.			
Mo.	Day	Yr.														
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>M. S. BARNETT # 2</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>CONSOLIDATED GAS TRANSMISSION Corp. 04228</u> Name Buyer Code															
(b) Date of the contract:	<u>11/20/85</u> Mo. Day Yr.															
(c) Estimated total annual production from the well:	<u>3.0</u> Million Cubic Feet															
		(a) Base Price	(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.)	S/MMBTU	<u>2.500</u>	<u>0.216</u>	<u>0.010</u>	<u>2.726</u>											
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>4.306</u>	<u>0.372</u>	<u>0.010</u>	<u>4.688</u>											
9.0 Person responsible for this application:	<u>K. E. Busch</u> <u>PRESIDENT</u> Name Title <u>K. E. Busch</u> Signature <u>8/26/85</u> <u>304 477-3527</u> Date Application is Completed Phone Number															

Agency Use Only
Date Received by Juris. Agency
AUG 28 1985
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

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:

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: AUG 26, 1985 7710

Applicant's Name: BUSCH, INC

Address: P.O. Box 67
BROHARD WV 26138

Gas Purchaser Contract No. 0539

Date of Contract 12/5/84
(Month, day and year)

First Purchaser: Consolidated Gas Trans. Corp ^{P 620}

Address: 445 West Main St
(Street or P.O. Box)
Clarksburg WV 26302
(City) (State) (Zip Code)

FERC Seller Code N/A

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

850828 - 1080 - 105 - 1150

Use Above File Number on all
Communications Relating to This Well

Designated Agent: K. E. Busch

Address: P.O. Box 97
BROHARD WV 26138

FERC Buyer Code 04228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: K. E. BUSCH
(Print)

Signature: K. E. Busch

Address: P.O. Box 97
(Street or P.O. Box)

BROHARD WV 26138
(City) (State) (Zip Code)

Telephone: (304) 477-3527
(Area Code) (Phone Number)

(Title)

(Certificate of Proof of Service to Purchaser)
Certified mail # P 739 813 915
NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

[Signature]

[Signature] 01/05/2024

f

RECEIVED
AUG 28 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

Date: 8/26, 1985

Operator's Well No. MS BARNETT #2

API Well No. 47-105-1150
State County Permit

Well Operator: Busch, Inc

Address: P.O. Box 67
BROHARD, WV 26138

Gas Purchaser: Consolidated Gas Trans. Corp

Address: 445 WEST MAIN ST
CLARKSBURG WV 26302

Designated Agent: K. E. Busch

Address: P.O. Box 97
BROHARD WV 26138

Location: Elevation 1142

Watershed Straight Fork
BURNING SPRINGS
Dist. WIRT County McFARLAN

Gas Purchase Contract No. 0539

Meter Chart Code L 622

Date of Contract 12/5/84

All applicants must complete FERC Form 121, including question No. 2.0 which should state Section 108 of NGPA.

QUALIFICATIONS

1. Rate of Production

a.) What date did the well have first production? 1/3, 1985

b.) What are the beginning and ending dates of the 90-day production period?

From May 1, 1985 to July 31, 1985. During this 90-day production period, what was the total and average per-day production? The well produced a total of 626 MCF or average 7.36 MCF per day.

2. Maxium Efficient Rate of Flow

The operator must establish that the well produced at its maxium efficient rate of flow by use of one of the following procedures (Check one):

[] a.) If the filing date is more than one year from the date of first production, provide production on IV-39 for twelve months prior to the last day of the 90-day production period (2-1 in item 1). This twelve month period is 1-85 through 12-85 and produced a total of 4817 MCF or average 401 MCF per day.

b.) If the well does not have a 12-month history of production; but has recently

01/05/2024

produced an average of 60 Mcf or less per production day for the 90-day period (item 1). All available months of production preceding the filing date are shown on Form IV-39.

c.) Will the maximum efficient rate of flow be established by other evidence? No

3. Dates

a.) List the dates during the production period (including the 90-day production period) which gas was not produced. MAX 1, to May 7, 1985

b.) Why was no gas produced on these dates? SHUT-IN For repairs at Consolidated Gas Plants

4. Crude Oil

How much oil did the well produce during the 90-day production period? 48
(total bls)

How much oil per day? 0.56

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax records and royalty payment records) and indicate the location of such records.

ALL RECORDS, Production, B&O & Royalty, Drilling, etc. are located at office @ Brohard, WV 26138

Describe the search made of any records listed above:

SEARCH OF ALL AVAILABLE records located at Brohard WV

AFFIDAVIT

I, K. E. BUSCH, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.

K E Busch

STATE OF WV

COUNTY OF WIRT, TO-WIT:

I, Carolyn Kay Bennett, a Notary Public in and for the state and county aforesaid, do certify that K E Busch, whose name is signed to the writing above, bearing date the 26 day of Aug, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 26 day of Aug, 1985

My term of office expires on the 18 day of July, 1992.

Carolyn Kay Bennett
Notary Public

[NOTARIAL SEAL]

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

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

REPORT DATE

Jan 6 1986

OPERATOR Busch, Inc

YEAR 19 85

API 1150

FARM M.S. BARNETT #2

COUNTY WIRT

AVG. FLOW PRESSURE 35#

SHUT-IN PRESSURE 500

TOTALS

GAS MCF 76 242 197 117 230 221 175 221 41 1361 1042 894 500 4817

OIL BBL J-70 F-52 M-39 A-28 M-21 J-15 J-12 A-5 S-0 0-42 N-28 D-22 307

DAYS ON LINE 10 28 31 20 24 30 31 31 10 31 30 31 307

YEAR 19 85

API 1150

FARM M.S. BARNETT #2

COUNTY WIRT

AVG. FLOW PRESSURE 35#

SHUT-IN PRESSURE 500

TOTALS

GAS MCF 76 242 197 117 230 221 175 221 41 1361 1042 894 500 4817

OIL BBL J-70 F-52 M-39 A-28 M-21 J-15 J-12 A-5 S-0 0-42 N-28 D-22 307

DAYS ON LINE 10 28 31 20 24 30 31 31 10 31 30 31 307

YEAR 19 85

API 1150

FARM M.S. BARNETT #2

COUNTY WIRT

AVG. FLOW PRESSURE 35#

SHUT-IN PRESSURE 500

TOTALS

GAS MCF 76 242 197 117 230 221 175 221 41 1361 1042 894 500 4817

OIL BBL J-70 F-52 M-39 A-28 M-21 J-15 J-12 A-5 S-0 0-42 N-28 D-22 307

DAYS ON LINE 10 28 31 20 24 30 31 31 10 31 30 31 307

API NUMBERS

NAME

SUMMARIZATION SCHEDULE
Section 271.804 (b)

In accordance with Section 271.804 (b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart II.

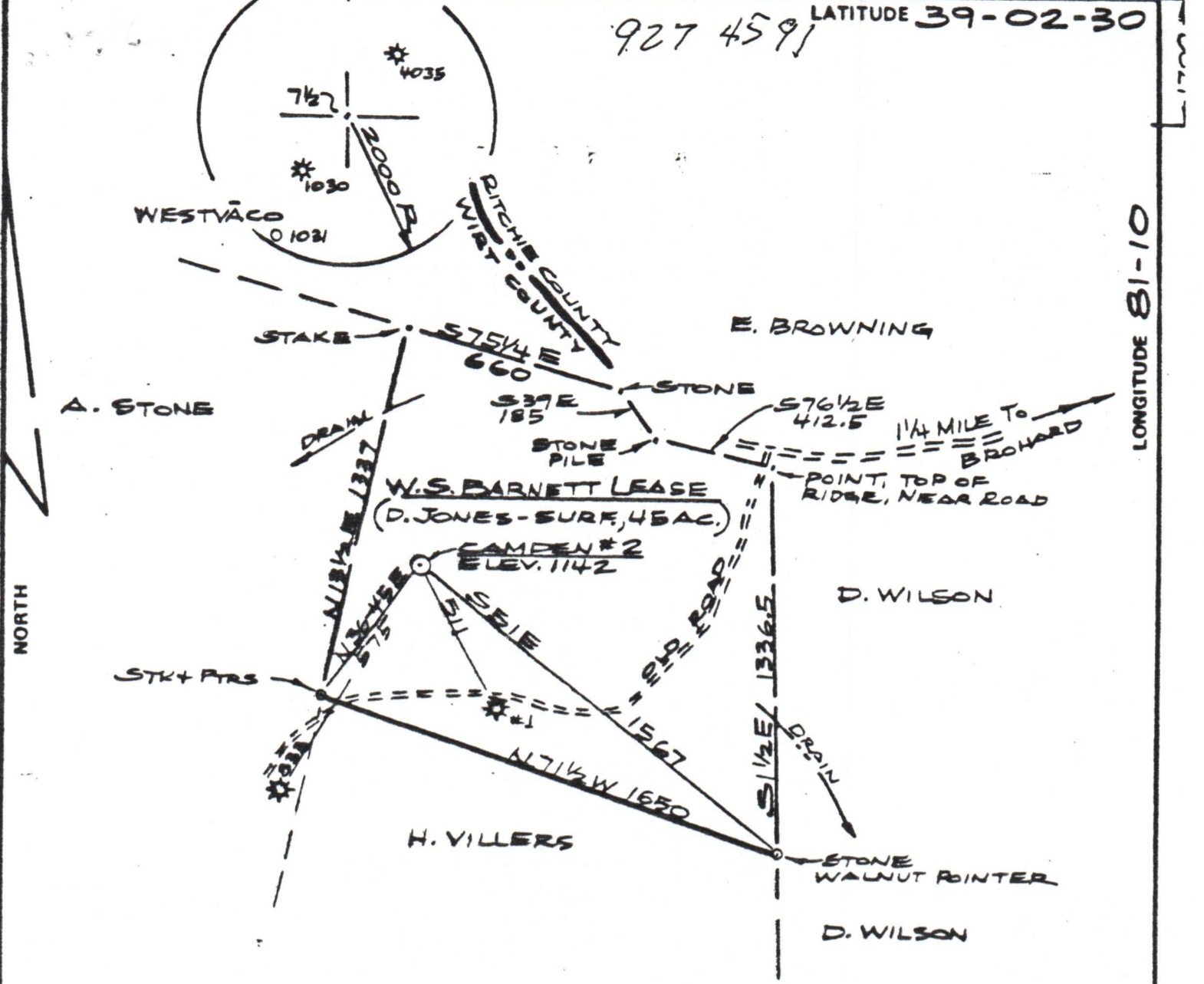
RECEIVED
JAN 9 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Handwritten calculations:
 $\frac{4817}{307} = 15.69$
 $\frac{334}{307} = 1.08$

01/05/2024

927 4591 LATITUDE 39-02-30



WELL REFERENCE
 20" B. OAK S 58 E 126.5
 16" B. OAK N 15 E 86.0

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION FORKS OF ROAD
ELEV. 941
5000± E. OF LEASE

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) Carroll R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

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



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

DATE JULY 2, 1984
 OPERATOR'S WELL NO. W.S. BARNETT-2
 API WELL NO. 47-105-1150
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1142 WATER SHED STRAIGHT FORK
 DISTRICT BURNING SPRINGS COUNTY W.V.T.
 QUADRANGLE MACFARLAN 7 1/2
 SURFACE OWNER D. JONES ACREAGE 45
 OIL & GAS ROYALTY OWNER W.S. BARNETT ETAL LEASE ACREAGE 45

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

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PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5500'
 WELL OPERATOR N.G. + K.E. BUSCH DESIGNATED AGENT K.E. BUSCH
 ADDRESS BROHARD ADDRESS BROHARD
WEST VIRGINIA 26138 WEST VIRGINIA 26138

3/8/85
mailed
original
+ 4 copies



State of West Virginia
Department of Mines
Oil and Gas Division

Date October 31, 1984
Operator's
Well No. Barnett #2
Farm M. S. Barnett
API No. 47 - 105 - 1150

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

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

LOCATION: Elevation: 1142 Watershed Stright Fork
District: Burning Springs County Wirt Quadrangle Macfarlan

COMPANY N.G. Busch, Inc.
ADDRESS Brohard, WV 26138
DESIGNATED AGENT K. E. Busch
ADDRESS Brohard, WV 26138
SURFACE OWNER Denzil J. Jones
ADDRESS Brohard, WV 26138
MINERAL RIGHTS OWNER Barnett Heirs
ADDRESS Parkersburg, WV 26101
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty ADDRESS Looneyville, Wv
PERMIT ISSUED September 13, 1984
DRILLING COMMENCED September 20, 1984
DRILLING COMPLETED September 23, 1984
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	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	314	314	130 sks
9 5/8			
8 5/8			
7	2983	2983	210 sks
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Sandstone Depth 2946 feet
Depth of completed well 3037 feet Rotary X / Cable Tools
Water strata depth: Fresh 190 feet; Salt 2040 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Sandstone Pay zone depth 2946 feet
Gas: Initial open flow 161 Mcf/d Oil: Initial open flow 2 Bbl/d
Final open flow N/A Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 610 psig (surface measurement) after 24 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

(Continue on reverse side)

01/05/2024

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

Perforation Depths: 8- .49 holes from 2943 to 2946
 Fractured by Dowell/schlumberger
 Material: 12 bbl 15% HCL Acid treated with A-200, W-22, L-53, U-42
 250# J-266(gel), treated with W-22, l-53, f-78
 10,000# 80/100 sand, 20,000# 20/40 sand
 180,000 Standard Cubic Feet of Nitrogen Gas
 Average treatment pressure: 2040psi
 Average treatment rate: 4.9MSCF/minute
 Average fluid rate: 20.16BBL/min
 Total Fluid: 685BBL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Clay			0	70	
Sand			70	190	Fresh water
Slate & Shells			190	572	
Pink rock			572	746	
Sand			746	951	
Big red rock			951	1172	
Slate & Shells			1172	1241	
Big Dunkard			1241	1256	
Siltstone: md gray			1256	1440	
Sandstone: lt gray			1440	1472	
1st Salt sand			1472	1568	
Siltstone: drk gray			1568	1604	
2nd Salt Sand			1604	1634	
Siltstone: drk gray			1634	1790	
3rd Salt sand			1790	1854	
Siltstone: md gray			1854	1920	
Shale: md gray			1920	1952	
Maxton Sandstone lt tan			1952	2044	Salt water
Big lime: gray/tan			2044	2134	
Big Injun sand lt gray/tan			2134	2178	Show gas
Limestone: gray/tan			2178	2201	
Squaw Sand: lt tan			2201	2212	
Sandstone: md gray			2212	2230	
Shale: drk gray			2230	2260	
Siltstone: drk gray			2260	2310	
Shale: md gray			2310	2410	
Siltstone: md gray			2410	2581	
Brerea Sand: brown shale			2581	2582	
Shale: drk gray			2582	2650	
Siltstone: lt gray			2650	2673	
Fifty foot sand: lt gray			2673	2684	
Siltstone: lt gray			2684	2800	
Shale: drk gray			2800	2910	
Siltstone drk gray			2910	2946	
Gorden Sandstone			2946	2954	Show Oil & gas
Siltstone: drk gray			2954	3037	

(Attach separate sheets as necessary)

N.G. Busch, Inc
Well Operator

By: A. Busch Agent
Date: 10/31/84 01/05/2024

Note: Regulation 2.02(i) 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."



FLAT TOP INSURANCE AGENCY
P O BOX 1439
BLUEFIELD W VA 24701
(304)327-3421

N G BUSCH
GENERAL DELIVERY
BROHARD WV 26138

CUSTOMER NO 004149 DATE 06/27/84
051
53294 323

NAMED INSURED

PLEASE RETURN THIS PORTION TO INSURE PROPER CREDIT. THANK YOU!

AMOUNT REMITTED \$ 500⁰⁰

CO NO	POLICY PERIOD		CLASS CODE	TRANS CODE	POLICY NUMBER AND DESCRIPTION	PREMIUM	
	EFFECTIVE	EXPIRATION				CHARGE	CREDIT
064	06/15/84	06/15/85	62	20	436115 *1* BONDS - GENERAL RENEWAL WV OIL & GAS \$15000	500.00	

DUE TO THE NATURE OF THIS COVERAGE THIS INVOICE IS PAYABLE UPON RECEIPT

PREMIUMS DUE AND PAYABLE ON EFFECTIVE DATE OF POLICY

500.00

BALANCE

- Bluefield, W Va 304-327-3421
- Wise, Va 703-328-8828
- Grundy, Va 703-935-2486
- Pearisburg, Va 703-921-1198
- Charleston, W Va 304-345-8490
- Barnesboro, Pa 814-948-7004
- Ebensburg, Pa 814-472-7180
- Pikeville, Ky 606-432-2109
- Knoxville, Tn 615-693-6791
- St. Clairsville, Oh 614-596-1596
- Birmingham, Ala 202-879-8604

BUSCH, INC.
K. E. BUSCH
N. G. BUSCH
PH. 304-477-3527
BROHARD, WV 26138

1179

WIRT COUNTY BANK
ELIZABETH, W. VA. 26143 69-268/515

PAY FIVE HUNDRED DOLLARS

TO THE ORDER OF	DATE	CHECK NO.	AMOUNT
Flat Top Insurance Agency	6/27/84	1179	500.00

436115 *1*

K. E. Busch

⑈001179⑈ ⑆051502683⑆ 06901 61⑈

01/05/2024