



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JAN 28 1972

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE January 27, 1971 1972

Surface Owner Dorey Wilson Company N. G. & Delta Busch

Address Munday, W. Va. 26152 Address Brohard, W. Va. 26138

Mineral Owner N. W. Haught ET*AL Farm J. R. Shuman Acres 40

Address 1905 Market Street Parkersburg, W. Va. Location (waters) Strait Creek

Coal Owner No Commercial Coal Well No. 1 Elevation 942'

Address _____ District Burning Springs County Wirt

Coal Operator _____ Quadrangle Harrisville

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for deepening. This permit shall expire if operations have not commenced by 6-3-72.

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated March 25, 1969 by Arthur S. and Moynelle Meats made to N. G. Busch and recorded on the 22nd day of July 1969, in Wirt County, Book 134 Page 85

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) N. G. Busch atty.
Well Operator N. G. Busch Atty.

Address of Well Operator _____ Street _____
Brohard, W. Va. 26138
City or Town _____
W. Va. State _____

01/26/2024

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

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

PROPOSED WORK ORDER TO _____ DRILL DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME D. G. Drilling Co. NAME H. G. Busch
 ADDRESS Beckley, W. Va. 26138 ADDRESS Beckley, W. Va. 26138
 TELEPHONE 677-2846 TELEPHONE 677-2846
 ESTIMATED DEPTH OF COMPLETED WELL: 2175 ROTARY _____ CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
1 3/4 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2	1997 1585 1960	1997 1585 1960	9 15
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

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

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

01/26/2024

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

FEB 15 1979

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

Well Operator / Owner X / N. G. & Delta Busch
Address Brohard,
West Virginia 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 N. G. Busch
Address Brohard,
West Virginia 26138
Telephone 304-477-3527

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 X 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 19 . 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 _____
Address _____

N. G. & Delta Busch
Well Owner or Operator
By: N. G. Busch
Its: Designated Agent 01/26/2024

ACCEPTED this February 13, 1979

N. G. Busch
(Signature of designated agent)

Taken, subscribed, and sworn to before me this 13 day of February, 1979.
Notary Public Carolyn Kay Bennett My commission expires July 18, 1982

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

Williams Well Surveys, Inc.

LOGGING • PERFORATING
 P. O. BOX 5245
 3105 GRAND CENTRAL AVENUE
 VIENNA, WEST VIRGINIA 26101

INVOICE NO. 72-26 *A-10*
 CONTRACT DATE 2-15-72 INVOICE DATE _____
 LEASE AND WELL NO. J.R.Shuman # 1

CHARGE TO: N.G. and Delta Busch

NEAREST TOWN Brohard FIELD Burning Springs permit 58 CUSTOMER ORDER NO. _____
 TRUCK NO. # 24 COUNTY Wirt STATE W. Va.
 RECORDED BY R. Williams WITNESSED BY N. Busch

ADDRESS _____

CITY AND STATE _____

MAIL INVOICES TO N. G. and Delta Busch

ADDRESS _____

CITY AND STATE Brohard, W. Va. 26138

THIS IS YOUR INVOICE
 NO STATEMENT WILL BE RENDERED



PRINT DISTRIBUTION
 NAME 2 on location
 ADDRESS _____
 NO. _____
 NAME Mail 6 to office
 ADDRESS _____
 NO. _____

I certify that the services ordered have been completed and that the estimated charges, subject to correction by the invoicing department are:

Service Charge Equip. and labor \$ 150.00
3 logs Depth Charge @ Min. 205.00
 Operating Charge @ _____
 Depth Charge @ _____
 Operating Charge @ _____
 Depth Charge @ _____
 Operating Charge @ _____
 Perforating _____ Holes @ _____
 Bridge Plug Charge _____ Holes @ _____
 To Meet Minimum _____
 Extra Copies _____
 Mileage _____

TYPE OF LOG	G/R-N	Den-Cal.	Temp.
RUN NO. & WELL CLASSIFICATION	<u>1 1</u>	<u>2 2</u>	<u>3</u>
DATE	<u>2-15-72</u>		
PRESENT DEPTH (LOG)	<u>2082</u>		
PRESENT DEPTH (DRILLER)	<u>2082</u>		
TYPE OF FLUID IN HOLE	<u>empty</u>		
FLUID LEVEL			
MUD WEIGHT			
VISCOSITY			
MAX. RECORDED TEMP.			
NEUTRON SOURCE	<u>AmBe</u>	<u>Cs.</u>	
NEUTRON SPACING-IN	<u>24"</u>	<u>16"</u>	
TYPE OF DETECTOR	<u>Sc. Pro.</u>	<u>Pro.</u>	<u>therm.</u>
LENGTH OF DETECTOR	<u>4"</u>	<u>6"</u>	
O.D. OF INSTRUMENT-IN	<u>3.5</u>	<u>3.5</u>	<u>3.5 3.5</u>
TIME CONSTANT - SEC'S.	<u>2</u>	<u>2</u>	<u>1</u>
LOGGING SPEED FT./MIN.	<u>25</u>	<u>25</u>	<u>20</u>
STATISTICAL CHECK DEPTH			
SENSITIVITY	<u>60</u>	<u>50</u>	<u>max.</u>
BOTTOM OF LOGGED INTERVAL	<u>2080</u>		
TOP OF LOGGED INTERVAL	<u>1600</u>		
FEET RECORDED	<u>320</u>		

LOG MEAS. FROM DF D. F. ELEV. _____
 DRLG. MEAS. FROM DF K. B. ELEV. _____
 PERM. DATUM GL G. L. ELEV. 942

CASING RECORD
 SIZE, IN. 7" WT., LBS. _____
 INTERVAL Surf. TO 1576
 INTERVAL 1576 TO TD

PERFORATING DATA
 TYPE AND SIZE _____ SIZE NO. _____
 TOTAL HOLES _____ DEPTH SET _____
 HOLES FROM _____ TO _____ JOB SCHEDULED _____
 HOLES FROM _____ TO _____ ARRIVED _____
 HOLES FROM _____ TO _____ TIME WAITING _____
 HOLES FROM _____ TO _____ RUN TIME _____
 TOTAL _____

COMMENTS _____

TOTAL \$ 355.00

Please pay amount shown above in total box. Remittance should be made to Williams Well Surveys, Inc., P.O. Box 5245, Vienna, W. Va. 26101.

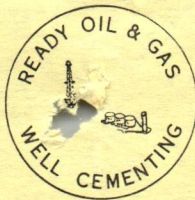
5% discount may be deducted if paid in full not later than 20 days after invoice date shown above.

RECEIVED
 MAR 7 1972

ORIGINAL INVOICE

OIL & GAS DEPT. OF MINES **01/26/2024**

% HOLLY NESTER
MILLSTONE, WEST VIRGINIA 25261



No. 1057
**INVOICE
AND
SERVICE RECORD**

DATE 2-17-72	PERMIT NO.	TRUCK CALLED DATE 2-17-72	TRUCK CALLED TIME 7:15	ON LOCATION DATE 2-17-72	ON LOCATION TIME 8:30	JOB STARTED DATE 2-17-72	JOB STARTED TIME 12:00	JOB COMPLETED DATE 2-17-72	JOB COMPLETED TIME 1:00
WELL NUMBER 1 SHUTMAN		FARM		COUNTY WIRT		STATE W.VA.		NO. COPIES INVOICE REQ. 3	
WELL OWNER		CONTRACTOR RUSSELL		MAILING ADDRESS N.G. + DULTZ BUSCH		CITY BETHLEHEM		STATE W.VA.	

TYPE OF JOB	SURFACE	INTERMEDIATE	PRODUCTION	PLUG BACK	PUMPING	JELLING	OTHER
CASING DATA	SIZE 5 1/2	WEIGHT	TYPE 1-55	DEPTH 2073	NEW	USED X	OTHER
HOLE DATA	SIZE 6 1/2	ROTARY	CABLE TOOL X	DEPTH 2073	WET	DRY X	CONDITION WET-K-0000
EQUIPMENT DATA	FLOAT SHOE	FLOAT COLLAR	GUIDE SHOE	REG. SHOE	CENTRALIZERS	MAKE	OTHER
CEMENT DATA	BULK	SACKS 45	TYPE BLACK	BRAND COK	% AQUAGEL	OTHER ADMIX	SLURRY WEIGHT 14.6
MUD DATA	AQUAGEL	% OF MIX	ADMIX	BAROID	WEIGHT	VISCOSITY	OTHER

OTHER INFORMATION:

The owner, operator or his agent, submits the information above and states that this well is in condition of the job to be performed. Ready Cementing does hereby lease to the above named company certain oil and gas well cementing equipment, and does further agree to furnish service men to deliver and operate said equipment, subject however, to the direct supervision and control of the well owner or his agent. It is further understood and agreed that Ready Cementing shall not be liable or responsible for any unsuccessful results, injury, damage, loss, or incompleteness of operator to said well arising from the use of such cementing, equipment, or for the acts of any person engaged in doing such work on the above described well. A mechanic's lien is hereby acknowledged on above well and equipment to secure the amount for materials and services performed thereto.

SIGNED WELL OWNER N.G. + DULTZ BUSCH HIS AGENT N.G. Busch
THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS STARTED. DATE _____

COMPLETION DATA

CEMENT LEFT IN CASING	760 FT.
CASING CEMENTED APPROX.	650 FT.
MEASURED WITH STEEL LINE?	
COMPLETION PRESSURE	165
MAXIMUM PRESSURE	200
CIRCULATING PRESSURE	85
TOP PLUGS	X TYPE SP-012L R16607
BOTTOM PLUGS	TYPE
TYPE HEAD	P140 307131727
REMARKS:	

INVOICE SECTION

SERVICE CHARGE		<p>RECEIVED MAR 7 1972 OIL & GAS DIVISION DEPT. OF MINES</p>
CEMENT	@	
AQUAGEL	@	
BAROID	@	
CENTRALIZERS	@	
FLOAT COLLAR	@	
FLOAT SHOE	@	
GUIDE SHOE	@	
REGULAR SHOE	@	
PLUG	@	
MILES	@	

200 G345 H011	100.00
TAX EXEMPT EXEMPTION NO.	YES <input type="checkbox"/> NO <input type="checkbox"/>
SUB-TOTAL	500.00
SALES TAX	
TOTAL	

TERMS: 60 DAYS NET OR 2% CASH DISCOUNT WILL BE ALLOWED IF PAID ON OR BEFORE THE 20TH OF THE MONTH FOLLOWING DATE OF INVOICE. LEGAL INTEREST CHARGED THEREAFTER. 01/26/2024

No. 1027

INVOICE AND SERVICE RECORD

DATE

DATE	PERMIT NO.	WELL NUMBER	WELL OWNER	CHARGE TO	MAILING ADDRESS	CITY	STATE	NO. COPIES INVOICE	DATE	TIME	ON LOCATION	DATE	TIME	JOB STARTED	DATE	TIME	JOB COMPLETED	DATE	TIME	



OTHER INFORMATION

The above information is for your information only and does not constitute an offer or a contract. The above information is for your information only and does not constitute an offer or a contract. The above information is for your information only and does not constitute an offer or a contract.

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS STARTED

COMPLETION DATA	INVOICE SECTION
CEMENT LEFT IN CASING	FT
CASINO CEMENTED APPROX.	FT
MEASURED WITH STEEL LINES	
COMPLETION PRESSURE	
MAXIMUM PRESSURE	
CIRCULATING PRESSURE	
TOP PLUG	TYPE
BOTTOM PLUG	TYPE
TYPE HEAD	
REGULAR SHOE	
GUIDE SHOE	
REGULAR SHOE	
PLUG	
MILES	

TOTAL	SUB-TOTAL	TAX EXEMPT	NO.	YES	NO.

TERMS: 3% CASH DISCOUNT WILL BE ALLOWED IF PAID ON OR BEFORE THE 20TH OF THE MONTH FOLLOWING DATE OF INVOICE. LEGAL INTEREST CHARGED THEREAFTER.

01/26/2024



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

CUSTOMER

SERVICE AND INVOICE NUMBER

Please indicate on all remittances and send to: **1579 EAST 21 STREET TULSA, OKLAHOMA 74114**

SERVICE ORDER RECEIPT

TERMS: NET 30. ADD LEGAL INTEREST THEREAFTER.

DATE <i>2-18-72</i>	CUSTOMER ORDER NO. <i>Verbal</i>	SHIPPED VIA <i>Glenville</i>	SERVICE FROM DOWELL STATION	OUTPOST
------------------------	-------------------------------------	---------------------------------	-----------------------------	---------

WELL NAME AND NUMBER <i>J. R. SHUMAN # 1</i>	LOCATION AND POOL <i>Brookland</i>
COUNTY, CITY (IF WITHIN CITY LIMITS) & STATE <i>WIRT W. Va.</i>	TYPE OF SERVICE <i>Camel Tools</i>

SERVICE ORDER

IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS

I have read, understood and agreed to the terms & conditions printed on the reverse side hereof and represent that I have full authority to accept same and sign this order.

CUSTOMER BY
J. R. Shuman
AUTHORIZED AGENT

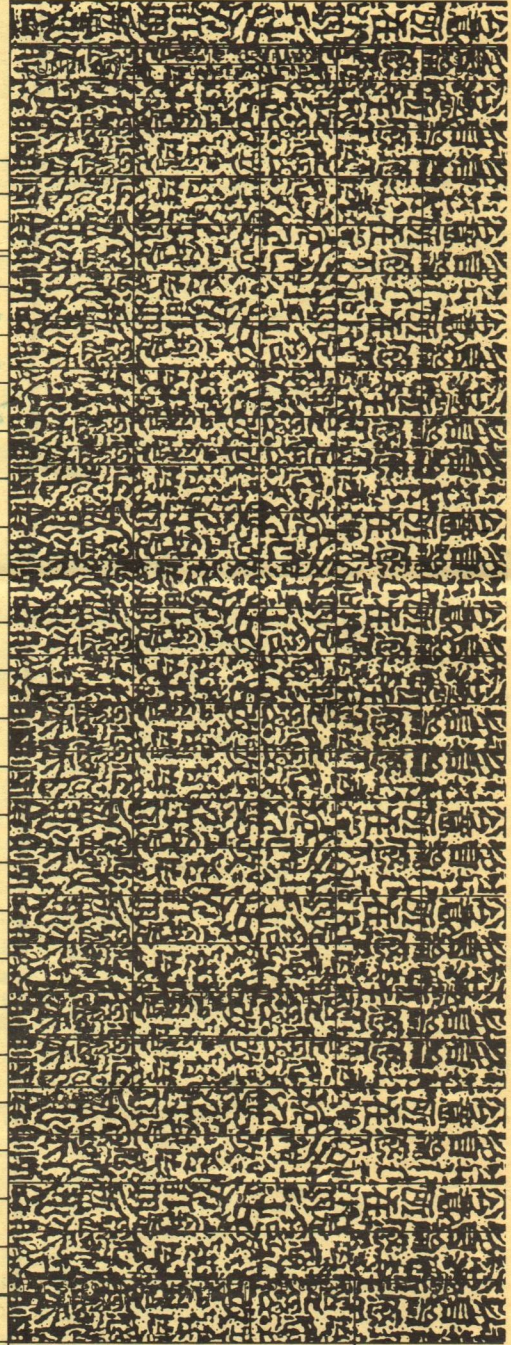
CUSTOMER'S NAME
N. G. DELTA BUSCH

ADDRESS

CITY, STATE & ZIP CODE
Brookland W. Va. 26138

SERVICE INSTRUCTIONS:

ITEM NO.	QUANTITY	UNIT	Material, Equipment and Services Used	Unit Price	AMOUNT
<i>56017-044</i>	<i>1</i>	<i>Ball</i>	<i>Bridging</i>		<i>15.90</i>
<i>56016-051</i>	<i>1</i>	<i>5 1/2</i>	<i>Baffle</i>		<i>70.00</i>
<i>56023-051</i>	<i>1</i>	<i>5 1/2</i>	<i>Flex Plug</i>		<i>24.35</i>
THIS IS NOT AN INVOICE					
<i>Wm 589</i>					
RECEIVED					
MAR 7 1972					
OIL & GAS DIVISION DEPT. OF MINES					
SUB TOTAL					
Gallons License Fee					
Gallons License Fee					
% Tax on \$					
% Tax on \$					
TOTAL \$					



DOWELL ENGINEER
J. L. Pease

PAYROLL INIT.
J. L. Pease

RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER BY
J. R. Shuman
AUTHORIZED AGENT

01/26/2024

TERMS AND CONDITIONS

In consideration of the prices to be charged as set forth in Dowell's Published Price Schedule and the performance of services and supplying of materials, customer agrees to the following terms and conditions:

1. **TERMS.** Cash in advance unless satisfactory credit is established; on credit sales to pay total net billing price at Dowell's office, Tulsa, Oklahoma by the end of the month following the month of treatment or sale. On past-due accounts, to pay interest thereon at the prime (New York) rate (in effect at time account becomes past due) plus one percent (1%). In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees to pay all collection costs and attorney's fees in the amount of 20% of said account.

2. **TAXES.** Any tax based on or measured by the charge for sale or rental of products or rendering of service shall be added to the price stated in Dowell's price schedule.

3. **PRODUCT SALES & RENTALS - WARRANTY.** Dowell warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that Dowell can convey good title; **DOWELL MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN.**

Dowell's liability and customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at Dowell's option to (a) replacement of such product upon its return to Dowell, or (b) allowance to customer of credit for the cost of such product.

4. DOWN-HOLE TOOLS, EQUIPMENT & INSTRUMENTS.

- If tools, equipment or instruments of Dowell are lost in a well, customer agrees to make a reasonable effort at customer's risk and expense to recover same; and, if unable to recover, to pay Dowell for same unless such loss or damage was caused solely by Dowell's negligence.
- Unless caused by Dowell's willful misconduct or failure to exercise good faith, Dowell shall not be liable for and customer shall secure Dowell against any liability for damage to property of customer (and well owner if different from customer) resulting, directly or indirectly, from tools, equipment or instruments of Dowell being lost in a well.

5. **DOWELL SERVICES.** In rendering any service ordered by the customer, Dowell shall be an independent contractor with the understanding, however, that customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well premises and access routes from highways to well locations. Customer will give Dowell reasonable notice for each service ordered and, if requested, will furnish Dowell with written order for the same. Customer will have the well in readiness for the service and, following service, will return well to production.

A reasonable attempt will be made to get from the highway to the location and back under Dowell's own power. If caterpillar or other towing equipment is required, same will be provided by customer at his expense. If customer does not provide towing equipment, when necessary, Dowell will obtain same and bill customer at actual cost. In interpreting well information and making recommendations, either written or oral, as to type or amount of material or service to be

furnished, or manner of performance, or in predicting results to be obtained therefrom, Dowell will give customer the benefit of its best judgment based on its experience in the field. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable well conditions and the necessity of relying on facts and supporting services furnished by others, **NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE SERVICES RENDERED.**

6. CUSTOMER'S RESPONSIBILITY & INDEMNITIES.

- Unless caused by Dowell's willful misconduct or failure to exercise good faith, customer agrees to be fully responsible for and secure Dowell against:
 - Liability for damage to property of customer (and well owner if different from customer), this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage;
 - Liability for reservoir loss or damage, or any property damage or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well;
 - Liability for any damages whatever, resulting directly or indirectly from a subsurface trespass arising out of any servicing operation performed by Dowell for customer;
 - Liability for injury to persons (including death) or damage to property, other than employees and property of Dowell, growing out of or in any way connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous.
- Customer agrees that it occupies an equal bargaining position with Dowell and that the contractual liability assumed hereunder by customer is reasonable and equitable based on the nature of the services to be performed by Dowell.

7. **OFFSHORE EQUIPMENT & MARINE OPERATIONS.** In addition to the foregoing terms and conditions, which are applicable to offshore marine operations as well as land operations, customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by Dowell, including truck or skid-mounted pumps, mixers, compressors, and auxiliary equipment from time of delivery to customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by Dowell.

Customer shall furnish water transportation for crew changes.

8. **PRICE CHANGES.** All prices appearing in said Price Schedule are subject to change without notice.

Prices in this schedule apply to regular and usual jobs and operations. Special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

9. The term "Dowell" as used herein is a trade name of The Dow Chemical Company; and, where used throughout this agreement, shall be construed to mean The Dow Chemical Company and its Dowell Division.

No Employee other than an Authorized Officer of Dowell is empowered to alter the above Terms and Conditions.

01/26/2024

Williams Well Surveys, Inc.

LOGG. j • PERFORATING
 P. O. BOX 5245
 3195 GRAND CENTRAL AVENUE
 VIENNA, WEST VIRGINIA 26101

JOB NO. **72-28**
 CONTRACT DATE **2-21-72** INVOICE DATE _____
 LEASE AND WELL NO. **J. Shuman # 1**

CHARGE TO: **N. G. Busch**
 ADDRESS _____
 CITY AND STATE _____
 MAIL INVOICES TO **N. G. Busch**
 ADDRESS _____
 CITY AND STATE **Brohard, W. Va. 26138**

NEAREST TOWN **Brohard** FIELD **Burning Sp.** CUSTOMER ORDER NO. **permit 589**
 TRUCK NO. **# 24** COUNTY **Wirt** STATE **W. Va.**
 RECORDED BY **R. Williams** WITNESSED BY **N. Busch**

To Williams Well Surveys, Inc. — You are hereby requested to perform the following services on the above well in accordance with your general terms and conditions which are set out on the reverse side of this work order sheet.
 If signed by an agent in behalf of stated customer said agent represents that he has full authority to sign for his principal.

SALE CONTRACT & FIELD WORK ORDER

Correlation Log and Perf.

TYPE OF LOG	G/R-col	col-perf.
RUN NO. & WELL CLASSIFICATION	1 1	2,3,4
DATE	2-21-72	
PRESENT DEPTH (LOG)	2004 DR	2068 TD
PRESENT DEPTH (DRILLER)		
TYPE OF FLUID IN HOLE	Acid and Water	
FLUID LEVEL	Full	
MUD WEIGHT		
VISCOSITY		
MAX. RECORDED TEMP.		
NEUTRON SOURCE		
NEUTRON SPACING-IN		
TYPE OF DETECTOR	Sc.	
LENGTH OF DETECTOR	4"	
O.D. OF INSTRUMENT-IN	1 3/4"	
TIME CONSTANT - SEC'S.	2	
LOGGING SPEED FT./MIN.	30	
STATISTICAL CHECK DEPTH		
SENSITIVITY	100	
BOTTOM OF LOGGED INTERVAL	2004	
TOP OF LOGGED INTERVAL	1850	
FEET RECORDED		

By _____ CUSTOMER'S AUTHORIZED REPRESENTATIVE
 NAME **2 on location**
 ADDRESS _____
 NO. _____
 NAME **Mail 6 to office**
 ADDRESS _____
 NO. _____

I certify that the services ordered have been completed and that the estimated charges, subject to correction by the invoicing department are:

Service Charge **Equip and labor \$ 150.00**
 G/R-col Depth Charge **inc. in perf.**
 Operating Charge _____ @ _____
 Depth Charge _____ @ _____
 Operating Charge _____ @ _____
 Depth Charge _____ @ _____
 Operating Charge _____ @ _____
 Perforating **2 Stage 20** Holes @ **Min. 190.00**
29 Holes @ **4.50 130.50**
 Bridge Plug Charge _____ @ _____
 To Meet Minimum _____
 Extra Copies _____
Federal Explosive Reg. 9.00
 Mileage _____

TOTAL **\$ 479.50**

RECEIVED
 MAR 7 1972

The undersigned customer agrees to pay for the above requested services in accordance with the terms and conditions of your current price schedule and agrees to save and hold you harmless from all claims for damages caused in any manner by your equipment or personnel in connection with the rendering of the above requested services. Terms and conditions are on the reverse side of this form.

If signed by an agent in behalf of the undersigned customer, said agent represents that he has full authority to sign for his principal.

LOG MEAS. FROM **DF** D. F. ELEV. _____
 DRLG. MEAS. FROM _____ K. B. ELEV. _____
 PERM. DATUM **GL** G. L. ELEV. **942**
 CASING RECORD OPEN HOLE RECORD
 SIZE, IN. **5 1/2"** WT., LBS. _____ INTERVAL **Surf. TO TD** INTERVAL _____ TO _____ TO _____
 PERFORATING DATA BRIDGE PLUG
 TYPE AND SIZE **Stick Jets - 3/8" Dia. Guns** SIZE _____
 TOTAL HOLES **49** DEPTH SET _____
23 HOLES FROM **1975** TO **97** JOB SCHEDULED _____
20 HOLES FROM **2019** TO **32** ARRIVED _____
6 HOLES FROM **2053** TO **56** TIME WAITING _____
 COMMENTS **Unable to get logging tool below baffle- 4 E 97 caps. primicord - 49 jets .** RUN TIME _____
 TOTAL _____

WILLIAMS WELL SURVEYS, INC.

By **Williams and Kirby**

By **N. G. Busch** **01/26/2024**
 CUSTOMER'S AUTHORIZED REP.

GENERAL TERMS AND CONDITIONS

Williams Well Surveys, Inc., in rendering services requested by the Customer, does so as an independent contractor, recognizing that at all times the Customer has complete custody and control of the well, the conditions created in the well, the drilling equipment and the well premises.

In consideration of the prices hereinafter set out, it is understood that the services offered by us are to be performed only under the following terms and conditions:

1. All prices are exclusive of any Federal, State or Special taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable. A 5% royalty will be added where applicable.

2. In the event any of our instruments or equipment is lost in the well, Customer shall either recover same without cost to us, or pay for such instruments or equipment. In case it is necessary for Customer to "fish" for any of our instruments or equipment, Customer assumes the entire responsibility for such operations. None of our employees is authorized to do anything other than advise and consult with Customer in connection with such "fishing" operations, and any "fishing" tools furnished by us are furnished solely as an accommodation to Customer, and we shall not be liable or responsible for any damage that Customer may incur or sustain through their use or by reason of any advice or assistance rendered to Customer by our agents or employees, irrespective of cause.

3. We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance. As there are so many conditions in and around wells which are uncertain and unknown and not subject to our control, we can neither guarantee the results nor be liable for injuries to property or persons for loss or damage arising from the performance of our services or resulting therefrom.

4. A reasonable attempt will be made by us to get from the highway to the location and back again under our own power. If tractors or other types of equipment or services are required to give us access to or return from the well location, same will be provided by the Customer at his expense.

5. In making any interpretation of logs our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our officers, agents, or employees.

6. Customer acknowledges that he is aware of the facts that: the radioactive source used in neutron logging is potentially dangerous to humans and animals; should the neutron source be lost in the well bore that special precautions must be taken in "fishing" in order that the container of the neutron source is not broken or damaged; the neutron source, if not recovered, must be isolated by cementing it in place or by some other appropriate means that is in agreement with the policy of the Atomic Energy Commission pertaining to the situation.

7. On jobs where our equipment is transported by a conveyance belonging to, or arranged for by the Customer, the Customer shall be responsible for the undamaged and safe return to the point of embarkation (or a point easily accessible to the point of embarkation) of all our equipment.

8. In accepting an order to perform or attempt to perform any service involving the use of radioactive material, we do so with the understanding that: we do not guarantee results, and shall not be liable or responsible for injury to or death of persons or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of the cause, growing out of or in any way connected with the use of radioactive material, and the Customer shall absolve and hold us harmless against all liability for any and all loss, costs, damages, and expenses incurred or sustained by Customer or any third party, irrespective of the cause, resulting from any use of radioactive material in the rendering of our services.

9. Information derived by us in rendering our services will be held in strict confidence and will be released only upon written approval of the Customer.

10. The Customer will have a responsible representative present to issue orders relative to the service or services to be performed.

11. All of the preceding terms and conditions shall also apply in favor of any manufacturer or supplier of any equipment that we may use in the well.

12. Unless satisfactory credit has been established payment at the time of service may be required.

13. No employee is empowered to alter the above terms and conditions.

14. Prices subject to change without notice. Failure to enforce any or all of the above terms and conditions in a particular instance or instances shall not constitute a waiver of, or preclude subsequent enforcement of, any or all of the above terms and conditions.

15. 5% discount allowed if paid in full within 20 days from date of invoice.

20 days
1%

Unable to get logging tool below
bottle -
4 x 97 caps. primord - 49 jets
Williams and Kirby

01/26/2024

STIMULATION TREATMENT REPORT

DOWELL

DATE

DWL-494-J PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

2-21-72

WELL NAME AND NUMBER <i>J.R. Sullivan #1</i>	LOCATION <i>Broadland</i>	CUSTOMER REPRESENTATIVE <i>N.G. Busch</i>	TREATMENT NUMBER <i>1-12-6820</i>
POOL <i>Broadland</i>	FORMATION <i>SQUAW</i>	JOB DONE DOWN TUBING A <input type="checkbox"/> CASING B <input checked="" type="checkbox"/> ANNULUS C <input type="checkbox"/>	ALLOWABLE PRESSURE TBG: _____ CSG: <i>3000</i>
COUNTY <i>Wirt</i>	STATE <i>W.Va.</i>	TYPE OF WELL OIL A <input checked="" type="checkbox"/> GAS B <input checked="" type="checkbox"/> WATER C <input type="checkbox"/> INJ. D <input type="checkbox"/>	

TYPE OF SERVICE
12,726 WATER FRAC

CUST. NAME *N.G. Busch*

ADDRESS _____

CITY STATE & ZIP CODE _____

REMARKS: *Broadland W.Va.*

AGE OF WELL NEW WELL A <input checked="" type="checkbox"/> REWORK B <input type="checkbox"/>	TOTAL DEPTH <i>2068</i>	CIRC. BHT.
CASING SIZE <i>5 1/2</i>	CASING DEPTH <i>2068</i>	TUBING SIZE
LINER SIZE	LINER DEPTH	PACKER TYPE
OPEN HOLE	CSG. OR ANRL. VOL. <i>50.4</i>	TBG VOLUME
		STATIC BHT.

PERFORATED INTERVALS

DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES
<i>2053</i>					
<i>2027</i>	<i>6</i>				
<i>2019</i>					
<i>2033</i>	<i>20</i>				

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: *09:30* Road *08:00*

TIME	INJECTION		PRESSURE		SERVICE LOG
	RATE	BBLs IN	CSG.	TBG.	
<i>12:15</i>			<i>0</i>		<i>TEST LINES TO 3000</i>
<i>12:16</i>			<i>1750</i>		<i>BREAKDOWN INJECTION SHT DOWN</i>
<i>12:22</i>	<i>15</i>	<i>1800</i>			<i>INJECTION</i>
<i>12:24</i>	<i>24</i>	<i>51</i>	<i>1800</i>		<i>FRAC SAND 20.40 1/4 Pkg. gal.</i>
<i>1-12:25</i>	<i>24</i>	<i>75</i>	<i>2000</i>		<i>" " " 1/2 " "</i>
<i>2-12:27</i>	<i>24</i>	<i>123</i>	<i>2000</i>		<i>" " " 3/4 " "</i>
<i>1-12:28</i>	<i>25</i>	<i>140</i>	<i>1950</i>		<i>" " " 1 " "</i>
<i>1-12:29</i>	<i>25</i>	<i>173</i>	<i>2000</i>		<i>" " " 1 1/4 " "</i>
<i>1-12:30</i>	<i>25</i>	<i>198</i>	<i>2000</i>		<i>" " " 1 1/2 " "</i>
<i>2-12:32</i>	<i>25</i>	<i>248</i>	<i>2000</i>		<i>START FLUSH " " " "</i>
<i>12:34</i>	<i>25</i>	<i>303</i>	<i>2000</i>		<i>FLUSH END</i>

WV-589

RECEIVED
MAR 7 1972

OIL & GAS DIVISION
DEPT. OF MINES

TIME LEFT LOCATION <i>Stage 1</i>	AVG. LIQUID INJ. RATE <i>24.5</i>	ADJ. INJ. RATE (SOLIDS INC.) <i>2000</i>	TOTAL FLUID PUMPED OIL _____ WATER <i>303</i>	PROPS AND LIQUIDS INJECTED		
MAX. PRESSURE <i>2000</i>	AVG. PRESSURE <i>1993.7</i>	FINAL PUMP IN PRESSURE <i>2000</i>	SHUT IN PRESSURE IMMEDIATE <i>300</i> 5 MINUTES <i>1100</i>	TYPE <i>SAND</i>	SIZE OR PURPOSE <i>20.40</i>	AMOUNT <i>101000</i>
DOWELL LOCATION <i>Glenville</i>	DOWELL ENGINEER <i>J.L. Pegg</i>		PROD. BEFORE TREATMENT <i>Shut</i>			PROD. AFTER TREATMENT <i>01/26/2024</i>
CALL BACK	DATE	CUSTOMER REP. CONTACTED	CUSTOMER CONSIDERED SERVICE	SATISFACTORY	UNSATISFACTORY	UNKNOWN
			TEST	ALLOWABLE	DAYS	TEST ALLOWABLE

202

P82 NW

STIMULATION TREATMENT REPORT



DATE 2-21-72

DWL-494-J PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

WELL NAME AND NUMBER <u>N. G. Shuman #1</u>	LOCATION <u>BROOKS</u>	CUSTOMER REPRESENTATIVE <u>N. G. Busch</u>	TREATMENT NUMBER <u>1-12-6820</u>
FOOT <u>BROOKS</u>	FORMATION <u>FINDUN</u>	JOB DONE DOWN TUBING <input type="checkbox"/> CASING <input type="checkbox"/> ANNULUS <input type="checkbox"/>	ALLOWABLE PRESSURE TGB: _____ CSG: <u>3000</u>
COUNTY <u>WIRT</u>	STATE <u>W. VA.</u>	TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> WATER <input type="checkbox"/> INJ. <input type="checkbox"/>	
TYPE OF SERVICE <u>WATER FRAC</u>		AGE OF WELL NEW WELL <input type="checkbox"/> REWORK <input type="checkbox"/>	TOTAL DEPTH <u>2068</u>

CUST. NAME N. G. Busch

ADDRESS _____

CITY, STATE & ZIP CODE
REMARKS: BROOKS W. VA.

CASING SIZE <u>5 1/2</u>	CASING DEPTH <u>2068</u>	TUBING SIZE _____	TUBING DEPTH _____
LINER SIZE _____	LINER DEPTH _____	PACKER TYPE _____	PACKER DEPTH _____
OPEN HOLE _____	CSG. OR ANRL. VOL. <u>48.9</u>	TGB VOLUME _____	STATIC BHT. _____

PERFORATED INTERVALS

DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES
<u>Baffle</u>	<u>2006</u>				
<u>1975</u>					
<u>1997</u>	<u>23</u>				

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: STAGE II

TIME	INJECTION		PRESSURE		SERVICE LOG
	RATE	BBLs IN	CSG. ✓	TGB.	
<u>12:38</u>					<u>START PUMPING ACID 4 SPAT TO DROP BRIDGING BALL</u>
<u>13:42</u>	<u>24</u>				<u>ACID IN START DISPLACEMENT TO SPAT ACID</u>
<u>13:49</u>	<u>54</u>	<u>1600</u>			<u>ACID SPATTED DROP BRIDGING BALL</u>
<u>14:15</u>	<u>56</u>	<u>400</u>			<u>MOVE ACID TO SEE IF BRIDGING BALL IS SEATED</u>
<u>14:25</u>	<u>64</u>	<u>400</u>			<u>CHECKING BRIDGING BALL</u>
<u>14:33</u>		<u>1400</u>			<u>INJECTION DID NOT SEE ANY BREAKDOWN</u>
<u>14:34</u>	<u>92</u>	<u>1500</u>			<u>FRAC SAND 20-40 1/2 PER GAL.</u>
<u>2-14:36</u>	<u>30</u>	<u>152</u>	<u>1500</u>		<u>" " " 3/4 " "</u>
<u>1-14:37</u>	<u>30</u>	<u>188</u>	<u>1500</u>		<u>" " " 1 " "</u>
<u>2-14:39</u>	<u>30</u>	<u>242</u>	<u>1500</u>		<u>" " " 1 1/4 " "</u>
<u>3-14:42</u>	<u>29</u>	<u>339</u>	<u>1600</u>		<u>" " " 1 3/4 " "</u>
<u>3-14:45</u>	<u>29</u>	<u>426</u>	<u>1600</u>		<u>START FLUSH " " " "</u>
<u>14:48</u>	<u>490</u>	<u>1500</u>			<u>FLUSH END</u>

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OIL & GAS DIVISION
DEPT. OF MINES

TIME LEFT LOCATION <u>16:30</u>	AVG. LIQUID INJ. RATE <u>1536.3</u>	ADJ. INJ. RATE (SOLIDS, INC.) <u>29.4</u>	TOTAL FLUID PUMPED OIL _____ WATER <u>490</u>	PROPS AND LIQUIDS INJECTED	
MAX. PRESSURE <u>1800</u>	AVG. PRESSURE <u>1536.3</u>	FINAL PUMP IN PRESSURE <u>1500</u>	SHUT IN PRESSURE IMMEDIATE <u>1400</u> 5 MINUTES <u>1000</u>	TYPE <u>SAND</u>	SIZE OR PURPOSE <u>20-40</u>
DOWELL LOCATION <u>Glennville</u>	DOWELL ENGINEER <u>J. L. Pepp</u>			AMOUNT <u>20,000</u>	
CALL BACK	DATE	CUSTOMER REP. CONTACTED	CUSTOMER CONSIDERED SERVICE	PROD. BEFORE TREATMENT TEST	PROD. AFTER TREATMENT TEST

% Tax on \$	% Tax on \$	TOTAL \$	RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A WORKMANLIKE MANNER.
			CUSTOMER BY <u>[Signature]</u> AUTHORIZED AGENT

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

TERMS AND CONDITIONS

In consideration of the prices to be charged as set forth in Dowell's Published Price Schedule and the performance of services and supplying of materials, customer agrees to the following terms and conditions:

1. **TERMS.** Cash in advance unless satisfactory credit is established; on credit sales to pay total net billing price at Dowell's office, Tulsa, Oklahoma by the end of the month following the month of treatment or sale. On past-due accounts, to pay interest thereon at the prime (New York) rate (in effect at time account becomes past due) plus one percent (1%). In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees to pay all collection costs and attorney's fees in the amount of 20% of said account.

2. **TAXES.** Any tax based on or measured by the charge for sale or rental of products or rendering of service shall be added to the price stated in Dowell's price schedule.

3. **PRODUCT SALES & RENTALS - WARRANTY.** Dowell warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that Dowell can convey good title; DOWELL MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN.

Dowell's liability and customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at Dowell's option to (a) replacement of such product upon its return to Dowell, or (b) allowance to customer of credit for the cost of such product.

4. **DOWN-HOLE TOOLS, EQUIPMENT & INSTRUMENTS.**

- a. If tools, equipment or instruments of Dowell are lost in a well, customer agrees to make a reasonable effort at customer's risk and expense to recover same; and, if unable to recover, to pay Dowell for same unless such loss or damage was caused solely by Dowell's negligence.
- b. Unless caused by Dowell's willful misconduct or failure to exercise good faith, Dowell shall not be liable for and customer shall secure Dowell against any liability for damage to property of customer (and well owner if different from customer) resulting, directly or indirectly, from tools, equipment or instruments of Dowell being lost in a well.

5. **DOWELL SERVICES.** In rendering any service ordered by the customer, Dowell shall be an independent contractor with the understanding, however, that customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well premises and access routes from highways to well locations. Customer will give Dowell reasonable notice for each service ordered and, if requested, will furnish Dowell with written order for the same. Customer will have the well in readiness for the service and, following service, will return well to production.

A reasonable attempt will be made to get from the highway to the location and back under Dowell's own power. If caterpillar or other towing equipment is required, same will be provided by customer at his expense. If customer does not provide towing equipment, when necessary, Dowell will obtain same and bill customer at actual cost. In interpreting well information and making recommendations, either written or oral, as to type or amount of material or service to be

furnished, or manner of performance, or in predicting results to be obtained therefrom, Dowell will give customer the benefit of its best judgment based on its experience in the field. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable well conditions and the necessity of relying on facts and supporting services furnished by others, NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE SERVICES RENDERED.

6. **CUSTOMER'S RESPONSIBILITY & INDEMNITIES.**

- a. Unless caused by Dowell's willful misconduct or failure to exercise good faith, customer agrees to be fully responsible for and secure Dowell against:
 - (i) Liability for damage to property of customer (and well owner if different from customer), this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage;
 - (ii) Liability for reservoir loss or damage, or any property damage or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well;
 - (iii) Liability for any damages whatever, resulting directly or indirectly from a subsurface trespass arising out of any servicing operation performed by Dowell for customer;
 - (iv) Liability for injury to persons (including death) or damage to property, other than employees and property of Dowell, growing out of or in any way connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous.
- b. Customer agrees that it occupies an equal bargaining position with Dowell and that the contractual liability assumed hereunder by customer is reasonable and equitable based on the nature of the services to be performed by Dowell.

7. **OFFSHORE EQUIPMENT & MARINE OPERATIONS.** In addition to the foregoing terms and conditions, which are applicable to offshore marine operations as well as land operations, customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by Dowell, including truck or skid-mounted pumps, mixers, compressors, and auxiliary equipment from time of delivery to customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by Dowell.

Customer shall furnish water transportation for crew changes.

8. **PRICE CHANGES.** All prices appearing in said Price Schedule are subject to change without notice.

Prices in this schedule apply to regular and usual jobs and operations. Special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

9. The term "Dowell" as used herein is a trade name of The Dow Chemical Company; and, where used throughout this agreement, shall be construed to mean The Dow Chemical Company and its Dowell Division.

No Employee other than an Authorized Officer of Dowell is empowered to alter the above Terms and Conditions.

01/26/2024



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, BROOKARD, 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. 50000, 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

1750

A-12

unit

API (Permit) Number

Farm Name

Operator's Well Number

47-013-2525 ✓

F B Busett

#1

47 085 - 3596 ✓

D. 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 Lieving #

#1

47 105 - 0589 ✓ ^{unit}

J. R Shuman

#1

47 105 - 0869 ✓

M S Barnett

#1

unit

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 Lieving

#2

47 105 - 1150 ✓

M S Barnett

#2



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MAR 7 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL & GAS DIVISION
Oil and Gas Division DEPT. OF MINES

WELL RECORD

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

Quadrangle Harrisville **DEEPEMED**
Permit No Wirt-589-DD

Company <u>N. G. & Delta Busch</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Brohard, W. Va. 26138</u>				
Farm <u>J. R. Shuman</u> Acres <u>40</u>				
Location (waters) <u>Strait Creek</u>	Size			
Well No. <u>1</u> Elev. <u>942'</u>	20-16			
District <u>Burns Springs</u> County <u>Wirt</u>	Cond.			
The surface of tract is owned in fee by <u>XXXX</u>	13-10"			
<u>Dorey Wilson</u>	9 5/8			
Address <u>XXXXXX Munday, W. Va. 26152</u>	8 5/8			
Mineral rights are owned by <u>N. W. Haughton*AL</u>	7	1576'	1576'	
H. N. Barnett Address <u>1905 Market ST. Parkersburg</u>	5 1/2	2073'	2073'	
Drilling Commenced <u>February 1, 1972</u>	4 1/2			
Drilling Completed <u>February 15, 1972</u>	3			
Initial open flow <u>18/10 W. 1/2" O.F.</u> Cu. ft. <u>9</u> bbls.	2	XXXX	2070	
Final production <u>40/10 W O.F.</u> per day <u>5</u> bbls.	Liners Used			
Well open <u>24hrs</u> hrs. before test <u>530#</u> RP.				

Well treatment details: **Deepened** Attach copy of cementing record.
Well Drilled to 2082' in 7" haele 5 1/2" casing Run to 2073' ~~W~~ Cemented with
45 bags Cement 2-17-72 650' Logged 2-16-72
Fracked by Dowell 2-21-72 800 BBL Water 30,000# Sand 20-40 1200Gal Acid
Well Was deepened From 1827' to 2082' 20Gal Fre Flo 10Gal F-52 Foaming Agent

Coal was encountered at _____ Feet _____ Inches *267,000 gm 5 oil*
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Injun 1938-2008 Squaw 2018-2037 Depth Injun 70' Squaw 19'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxin Sand		Hard	1827	1872		
Big Lime		Hard	1872	1938		
Injun Sand		Good	1938	2008		18/10 W. 1/2" O.F.
Slate		Soft	2008	2017		
Squaw Sand		Net to Hard	2017	2037		Show Oil
Slate & Shells			2037	2082		
Total Depth				2082		

*Well Completed
2-3-72*

01/26/2024

* Indicates Electric Log tops in the remarks section.



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

March 7, 1972

JOHN ASHCRAFT
Director

ROBERT L. DODD
Deputy Director

Fred Burdette
P. O. Box 190
Sissonville, W.Va. 25185

PERMIT WART-589-DD
COMPANY N. G. & Delta Busch
FARM J. R. Shuman
WELL NO 1
DISTRICT Burning Springs
COUNTY Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/ cc

01/26/2024

B-11

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WIRT-589-DD

Oil or Gas Well Gas
(KIND)

Company <u>N. G. & Delta Busch</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>J. R. Shuman</u>	16			Kind of Packer _____
Well No. <u>1</u>	13			Size of _____
District <u>Burning Springs</u> County <u>Wirt</u>	10			Depth set _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			
	5 3/16			

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water

Open flow after tubing _____ /10ths Merc.

Volume _____

Rock pressure _____ lbs.

Oil _____ bbl

Fresh water _____ feet

Salt water _____ feet

PLEASE FURNISH SERVICE(S) INDICATED BY CHECKED BLOCK(S).
REQUIRED FEE(S) PAID.

Show to whom, date and address where delivered Deliver ONLY to addressee

RECEIPT
Received the numbered article described below.

REGISTERED NO. _____ SIGNATURE OR NAME OF ADDRESSEE (Must always be filled in)
1 N.G. & Delta Busch

CERTIFIED NO. 39419 2 SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

INSURED NO. _____

DATE DELIVERED 3/15/72 3 SHOW WHERE DELIVERED (only if requested)

c55-16-71548-11 347-198 GPO

Drillers' Names _____

Remarks:

Final inspection has been made for bond release.

BOND CANCELLED
RETURNED TO WELL OPERATOR AND/OR PRINCIPAL
3/14 19 72

3/9/72
DATE

Fred Busch
DISTRICT WELL INSPECTOR

01/26/2024

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 _____

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
Liner	Location	Amount	Packer	Location		
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
01/26/2024



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

March 14, 1972

N. G. & Delta Busch
Brohard
West Virginia 26138

In Re: Permit No. WIRT-589-DD
Farm J. R. Shuman
Well No. 1
District Burning Springs
County Wirt

Gentlemen:

The final inspection report for the well which is described above has been received in this office. Only the column checked below applies.

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

XXXX Please return the enclosed cancelled bond which covered the well designated by the above permit number to the Surety Company who executed said bond in your behalf, in order that they may give you credit on their records.

Very truly yours,

Deputy Director
Oil and Gas Division

RLD/cc

Enclosure: 1 Bond

01/26/2024

FEB 15 1979

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-105-2-589-DD000</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>N/A</u> Category Code			
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>N/A</u> feet					
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>N. G. & Delta Busch</u> Name			<u>002619</u> Seller Code		
	<u>Brohard,</u> Street City		<u>W.V.</u> State	<u>26138</u> Zip Code		
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Burning Springs</u> Field Name					
	<u>Wirt</u> County		<u>W.V.</u> State			
(b) For OCS wells:	<u>N/A</u> Area Name					
	Date of Lease: Mo. Day Yr.					
	<u> </u> OCS Lease Number					
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>J. R. Shuman #1</u>					
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>N/A</u>					
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 Supply Corp.</u> Name			<u>004228</u> Buyer Code		
	(b) Date of the contract: <u>3 17 79</u> Mo. Day Yr.					
(c) Estimated annual production:	<u>1979 8,000</u> MMcf.					
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>0.542</u>	<u>0.047</u>	<u> </u>	<u>0.589</u>		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.264</u>	<u>0.195</u>	<u> </u>	<u>2.469</u>		
9.0 Person responsible for this application:	<u>N. G. Busch</u> Name			<u>Designated Agent</u> Title		
	<u>N.G. Busch</u> Signature					
	<u>2-7-79</u> Date Application is Completed		<u>302-477-3527</u> Phone Number			
	<table border="1"> <tr> <td>Agency Use Only</td> </tr> <tr> <td>Date Received by Juris Agency FEB 15 1979</td> </tr> <tr> <td>Date Received by FERC</td> </tr> </table>				Agency Use Only	Date Received by Juris Agency FEB 15 1979
Agency Use Only						
Date Received by Juris Agency FEB 15 1979						
Date Received by FERC						

FT7900S06/2 2

01/26/2024

PARTICIPANTS:

DATE:

JAN 18 1980

BUYER-SELLER C

WELL OPERATOR: N. G. & Delta Busch

002619

FIRST PURCHASER: Consolidated Gas Supply Corp.

004228

OTHER:

Qualifies as Section 108, stopper well

Roth (initials)

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

WELL DETERMINATION FILE NUMBER

790215 - 108 - 105 - 0589 - 00

Use Above File Number on all Communications Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent N. G. Busch
- 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 8 years
- 8 IV-40- 90 day Production 90 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: _____
 Date Completed: N/A Deepened 2-1-72
 Date Completed: 2-21-72
 (5) Production Depth: 1838-2008; 2018-2037
 (5) Production Formation: Injun; Squaw
 (5) Final OPEN FLOW! Initial Potential: _____
 (5) After Frac! Static R.P. Initially: 530-24 hrs.
 (6) Other Gas Test: _____
 (7) Avg. Daily Gas from Annual Production: $\frac{9710}{365} = 26.6 \text{ MCF}; \frac{13.16}{365} = .36$
 (8) Avg. Daily Gas from 90-day ending w/1-120 days: $\frac{2319}{92} = 25.2 \text{ MCF}; .14$
 (8) Line Pressure: 25 PSIG from Daily Rep
 (5) Oil Production: From Completion Report 2017-2037
 (10-17) Does lease inventory indicate enhanced recovery being done: N/A
 (10-17) Is affidavit signed? Notarized?

01/26/2024

Does official well record with the Department confirm the submitted information? Yes

Additional Information DD from 1827-2082 Does computer program confirm? _____

Was Determination Objected to? _____ By Whom? _____

512 ..

FEB 15 1979

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

Date February 7, 1979
Operator's Well No. J. R. Shuman #1
API Well No. 47-105-2-589-DD-000
State _____ County _____ Permit _____

WELL CLASSIFICATION FORM
STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT N. G. Busch
ADDRESS Brohard,
West Virginia 26138

WELL OPERATOR N. G. & Delta Busch
ADDRESS Brohard,
West Virginia 26138

LOCATION: Elevation 942
Watershed Straight Creek
Dist. Burning Springs County Wirt Quad. Harrisville

GAS PURCHASER Consolidated Gas Corp.
ADDRESS 445 West Main St.
Clarksburg, W.V. 26103

Gas Purchase Contract No. 3610
Meter Chart Code 3262
Date of Contract Mar. 7, 1972

* * * * *

Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

40 Acre Lease

1576 Ft. 7" Casing

2073 Ft. 5 1/2" Casing

2070 Ft. 2" Tuping

2070 Ft. 5/8" Rods

Old Std. Pumping Equipment

100 Bbl Tank

Pipeline and equipment necessary to connect to purchaser meter.

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:

Purchaser Statement of Sales

B.&O. Tax Records

Royalty payment records

Drilling and Production Equipment expenses

Lease Agreement

Contract Agreement

All records and statements located at Brohard, W.V. 26138

01/26/2024

Describe the search made of any records listed above.

Search of all records located at Brohard W.V. 26138

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No . If yes, indicate the type and source of the information

AFFIDAVIT

I, N. G. 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.

N. G. Busch

STATE OF WEST VIRGINIA,

COUNTY OF Wirt TO WIT:

I, Carolyn Kay Bennett a Notary Public in and for the state and county aforesaid, do certify that N. G. Busch, whose name is signed to the writing above, bearing date the 7th day of February, 1979, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 13th day of February, 19 79

My term of office expires on the 18th day of July, 19 82.

Carolyn Kay Bennett
Notary Public 01/26/2024

[NOTARIAL SEAL]



State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25305

RECEIVED

JAN 28 1972

OIL & GAS DIVISION
DEPT. OF MINES

January 24, 1972

Mr. N. G. Busch
Brohard, West Virginia 26138

Dear Mr. Busch:

Returned herewith is the application, bond and check submitted for the deepening of Well No. 1, J. R. Shuman Farm, Burning Springs District of Wirt County.

Please be advised that there is no fee required for the deepening of a well. Inasmuch as this well was completed in 1915, you must also submit a location plat and a completion record. We are enclosing revised OG-1 forms and a copy of the Oil and Gas Law for your convenience.

Upon receipt of the proper forms and location plat we will process your application.

If you have any questions please feel free to call me.

Very truly yours,

Robert L. Dodd, Deputy Director
Oil and Gas Division

RLD/ljs
Encls. Check No. 344
OG-1 form
OG-23 (bond)
Rev. OG-1 forms
Law Book

01/26/2024



State of Virginia
Department of State
Division of State Lands
Richmond, Virginia

January 22, 1975

Mr. W. G. Busch
Broad, West Virginia 26103

Dear Mr. Busch:

Returned herewith is the application, bond and check
submitted for the Department of Wolf No. 1, J. K. Bowers & was
Dinning County's District of West County.

Please be advised that there is no fee required for the
beginning of a well. However, we will be required to
file, you must also submit a location plat and a completion
report. We are enclosing you a 25-1 form and a copy of
the Oil and Gas Law for your convenience.

Upon receipt of the proper forms and location plat we
will process your application.

If you have any questions please feel free to call me.

Very truly yours,
[Signature]

Robert L. Bode, Deputy Director
Oil and Gas Division

APB:sa
Encls. Check No. 27
25-1 form
25-23 (copy)
R.L. Bode
R.L. Bode

E-7

This is an estimate only
Actual information will be submitted on completion

RECEIVED

JAN 24 1972

OIL & GAS DIVISION
DEPT. OF MINES

Proposed work order to drill deeper

Well operator Name N. G & DELTA BUSCH
Address BROHARD, W. VA. ~~XXXX~~' 26138

Telephone 304-477-2346

Land Owner Dorcy Wilson, Munday, W. Va. 28152

Estimated Depth of Completed Well 2175'

Proposed Geological Formation: Big Injun

Type of well expected, Combination, (OIL&GAS)

Casing in Well Now 6 5/8" Casing (1525') 1585

To be run in well 5" Casing App. 1960' Cemented 15 bags
Bottom of Lime

To be Deepened with cable tools

No Workable coal Seams Known.

Well Known now as J. R. Shuman No. 1

Well was Completed Nov. 3, 1915 (Oil) (Maxon Sand)

Present Depth 1825'

Drilled by ~~XXXX~~ South Pean Oil Co. Now Pennzoil United, Parkersburg, W. Va. 26101

Submitted by, N. G. Busch
Brohard, W. Va. 26138

RECEIVED

JAN 28 1972

OIL & GAS DIVISION
DEPT. OF MINES

01/26/2024

RECEIVED

JAN 24 1935

DEPT. OF MINES
U. S. GEOLOGICAL SURVEY

This is an estimate only
Actual information will be submitted on completion

Proposed work order to drill deeper

Well operator Name: N. G. & DWIGHT BUSCH
Address: BROADWAY, W. VA. 26101

Telephone: 207-477-2846

Land Owner: Percy Wilson, Hunday, W. Va. 26155

Estimated Depth of Completed Well: 2175'

Proposed General Formation: Big Injun

Type of well expected, Combination, (Oil&Gas)

Casing in Well Now: 6 5/8" casing (1925')

To be run in well: 7" casing App. 1960' Bottom of lime cemented 15 days

To be Deepened with cable tools

No Workable coal seams known.

Well known now as J. R. Shuman No. 1

Well was Completed Nov. 3, 1915 (Oil) (Limon Sand)

Present Depth: 1825'

Drilled by KERRY South Penn Oil Co. Now Kennell United, Parkersburg, W. Va. 26101

Submitted by: N. G. Busch
Broadway, W. Va. 26101

J. R. Shuman # 1

6 5/8" Casing 1585'-6"

Slate	1500 - 1580
Gas Sand	1580 - 1700
" " Gas No test	- 1630
Salt sand	1700 -
" " Oil	1755 - 1767
" " Oil	1825 - 1831
Total Depth	1835

Shot:

70 gts. - 1755 - 1825

No Record of anything being left in hole.

Mills

100-

RECEIVED

JAN 28 1972

OIL & GAS DIVISION
DEPT. OF MINES



D.D. 2/3/71
E-9

Latitude 39° 05'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
CHARLESTON

3.70 MI. S.
1.50 MI. W.

COPY

JOHN ASHCRAFT
DIRECTOR

January 31, 1972

ROBERT L. DODD
DEPUTY DIRECTOR

Mr. N. G. Busch
Brohard
West Virginia 26138

In Re: Linen Plat
J.R. Shuman # 1

Dear Sir:

We received your OG-1's, bond, and well record to deepen the above captioned permit in Burning Springs of Wirt county.

Please submit the Original Linen Location Plat instead of just a copy.

Whenever this plat arrives we will proceed to issue your deepening permit.

We will keep your application, etc on file.

Very truly yours,

Robert L. Dodd

RLD/cc



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

Source of Elevation CEMETERY ENTRANCE (833')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

ACCURACY: 1P / 200P

Company	N.G. & DELTA BUSCH
Address	BROHARD, W. VA.
Farm	J.R. SHUMAN
Tract	Acres 40 Lease No.
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	942'
Quadrangle	HARRISVILLE
County	WIRT District BURNING SPRINGS
Engineer	CHET WATERMAN
Engineer's Registration No.	3788
File No.	71003-442 Drawing No.
Date	10/23/71 Scale 1" = 20P

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

WELL LOCATION MAP
FILE NO. WIRT-589-00 01/26/2024

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

STIMULATION TREATMENT REPORT

DOWELL

DATE 2-21-72

DWL-494-J PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

WELL NAME AND NUMBER <i>K.R. Shuman #1</i>	LOCATION <i>BROOKRD</i>	CUSTOMER REPRESENTATIVE <i>N.G. Busch</i>	TREATMENT NUMBER <i>1-12-6820</i>
POOL <i>Brookrd</i>	FORMATION <i>INDUN</i>	JOB DONE DOWN	ALLOWABLE PRESSURE <i>3000</i>
COUNTY <i>WIRT</i>	STATE <i>W.V.A.</i>	TUBING A <input type="checkbox"/> CASING <input type="checkbox"/> ANNULUS <input type="checkbox"/>	TBG: <i>3000</i> CSG: <i>3000</i>
TYPE OF SERVICE <i>WATER FRAC</i>		TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> WATER <input type="checkbox"/> INJ. <input type="checkbox"/>	

CUST. NAME *N.G. Busch*

ADDRESS _____

CITY, STATE & ZIP CODE _____

REMARKS: *Brookrd W.V.A.*

AGE OF WELL NEW WELL <input type="checkbox"/> REWORK <input type="checkbox"/>	TOTAL DEPTH <i>2068</i>	CIRC. BHT.
CASING SIZE <i>5 1/2</i>	CASING DEPTH <i>2068</i>	TUBING SIZE
LINER SIZE	LINER DEPTH	PACKER TYPE
OPEN HOLE	CSG. OR ANRL. VOL. <i>48.9</i>	TBG VOLUME
		STATIC BHT.

PERFORATED INTERVALS					
DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES	DEPTH	NO. OF HOLES
<i>Baffle</i>	<i>2006</i>				
<i>1975</i>					
<i>1997</i>	<i>23</i>				

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: *Stage II*

TIME	INJECTION		PRESSURE		SERVICE LOG
	RATE	BBLs IN	CSG	TBG	
<i>13:38</i>					<i>START Pumping Acid & SPAT TO DROP Bridging Ball</i>
<i>13:42</i>		<i>24</i>			<i>Acid IN START Displacement TO SPAT Acid</i>
<i>13:49</i>		<i>54</i>	<i>1600</i>		<i>Acid SPATTED DROP Bridging Ball.</i>
<i>14:15</i>		<i>56</i>	<i>400</i>		<i>MOVE Acid TO SEE IF Bridging Ball IS SEATED</i>
<i>14:25</i>		<i>64</i>	<i>400</i>		<i>CHECKING Bridging ball.</i>
<i>14:33</i>			<i>1400</i>		<i>INJECTION did NOT SEE ANY Breakdown.</i>
<i>14:34</i>		<i>92</i>	<i>1500</i>		<i>FRAC sand 20-40 1/2 per gal.</i>
<i>2-14:36</i>	<i>30</i>	<i>152</i>	<i>1500</i>		<i>" " " 3/4 " "</i>
<i>1-14:37</i>	<i>30</i>	<i>188</i>	<i>1500</i>		<i>" " " 1 " "</i>
<i>2-14:39</i>	<i>30</i>	<i>242</i>	<i>1500</i>		<i>" " " 1 1/4 " "</i>
<i>3-14:42</i>	<i>29</i>	<i>339</i>	<i>1600</i>		<i>" " " 1 3/4 " "</i>
<i>3-14:45</i>	<i>29</i>	<i>426</i>	<i>1600</i>		<i>START Flush</i>
<i>14:48</i>		<i>490</i>	<i>1500</i>		<i>Flush END</i>

RECEIVED
MAR 7 1972

OIL & GAS DIVISION
DEPT. OF MINES

TIME LEFT LOCATION <i>16:30</i>	AVG. LIQUID INJ. RATE <i>1536.3</i>	ADJ. INJ. RATE (SOLIDS, INC.) <i>29.4</i>	TOTAL FLUID PUMPED OIL _____ WATER <i>490</i>	PROPS AND LIQUIDS INJECTED		
MAX. PRESSURE <i>1800</i>	AVG. PRESSURE	FINAL PUMP IN PRESSURE <i>1500</i>	SHUT IN PRESSURE IMMEDIATE <i>1400</i> 5 MINUTES <i>1000</i>	TYPE <i>SAND</i>	SIZE OR PURPOSE <i>20-40</i>	AMOUNT <i>20,000</i>
DOWELL LOCATION <i>Glennville</i>		DOWELL ENGINEER <i>J.L. Pepp</i>		F-52-7 1/2 gal F-52 <i>1000 gal X 1</i>		
CALL DATE BACK	CUSTOMER REP. CONTACTED	CUSTOMER CONSIDERED SERVICE	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/> UNKNOWN <input type="checkbox"/>	PROD. BEFORE TREATMENT TEST <i>Spaw</i>	ALLOWABLE <input type="checkbox"/>	PROD. AFTER TREATMENT TEST <i>01/26/2024</i> ALLOWABLE <input type="checkbox"/>



DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

CUSTOMER

SERVICE AND INVOICE NUMBER 1-12-6820
TERMS: NET 30. ADD LEGAL INTEREST THEREAFTER.

{ Please indicate on all remittances
and send to: **1579 EAST 21 STREET
TULSA, OKLAHOMA 74114**

SERVICE ORDER RECEIPT

DATE <u>2-21-72</u>	CUSTOMER ORDER NO. <u>VEEBOT</u>	SHIPPED VIA <u>Dowell Units</u>	SERVICE FROM DOWELL STATION <u>Glennville</u>	OUTPOST
------------------------	-------------------------------------	------------------------------------	--	---------

WELL NAME AND NUMBER <u>J.R. SHUMAN #1</u>	LOCATION AND POOL <u>Brookwood</u>
COUNTY, CITY (IF WITHIN CITY LIMITS) & STATE <u>Wirt W.Va.</u>	TYPE OF SERVICE <u>33,306 WATER FENCE</u>
CUSTOMER'S NAME <u>N.G. BUSCH</u>	
ADDRESS	
CITY, STATE & ZIP CODE <u>Brookwood W.Va.</u>	ZIP CODE

SERVICE ORDER
IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS
 I have read, understood and agreed to the terms & conditions printed on the reverse side hereof and represent that I have full authority to accept same and sign this order.

CUSTOMER BY N.G. Busch
 AUTHORIZED AGENT

SERVICE INSTRUCTIONS:

ITEM NO.	QUANTITY	UNIT	Material, Equipment and Services Used	Unit Price	AMOUNT
<u>1001-003</u>	<u>7000</u>	<u>gals</u>	<u>HCl Acid</u>	<u>.25</u>	
<u>1101-055</u>	<u>2</u>	<u>gals</u>	<u>A-120 Acid Inhibitor</u>	<u>8.75</u>	
<u>2001-002</u>	<u>120</u>	<u>gals</u>	<u>24% B.P.M. 2000 P.S.I.</u>	<u>2.2</u>	
<u>2802-000</u>	<u>24</u>	<u>gals</u>	<u>B.P.M. Blender</u>		<u>310.00</u>
<u>2902-000</u>	<u>35</u>	<u>gals</u>	<u>Top Handling</u>	<u>2.7</u>	
<u>3002-000</u>	<u>300</u>	<u>gals</u>	<u>Water</u>	<u>2.4</u>	
<u>2409-050</u>	<u>350</u>	<u>gals</u>	<u>J-200 water pulling agent</u>	<u>1.15</u>	
<u>6303-010</u>	<u>20</u>	<u>gals</u>	<u>F-10 @ water well</u>	<u>7.50</u>	
<u>13002-005</u>	<u>10</u>	<u>gals</u>	<u>F-82 Forming Agent</u>	<u>7.85</u>	

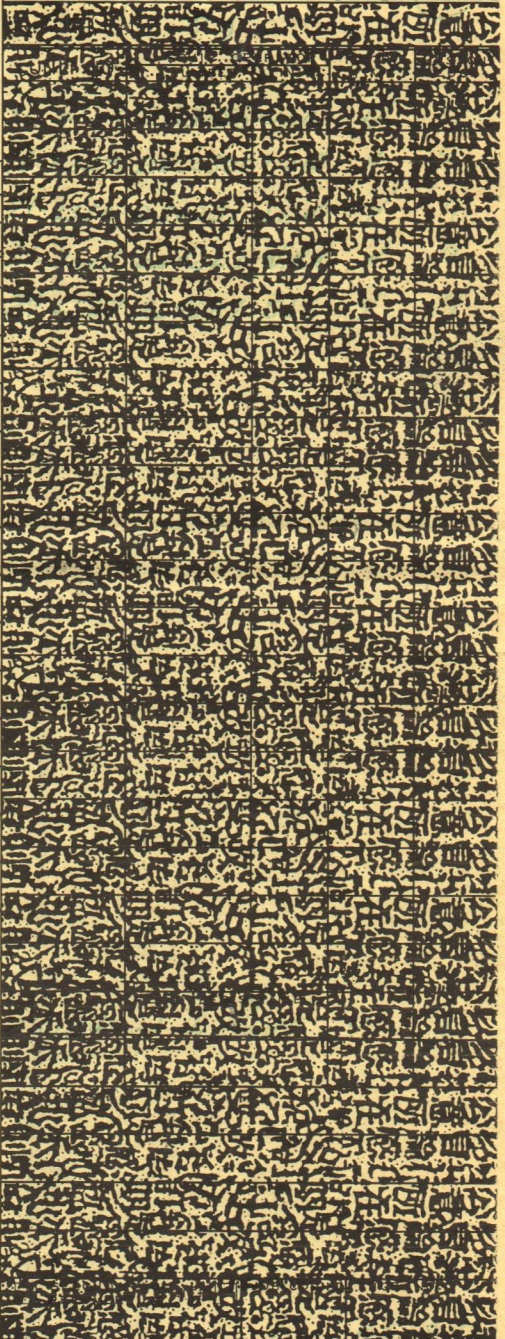
THIS IS NOT AN INVOICE

www 589

RECEIVED
MAR 7 1972

**OIL & GAS DIVISION
DEPT. OF MINES**

			SUB TOTAL		
		Gallons	License Fee		
		Gallons	License Fee		
	%		Tax on \$		
	%		Tax on \$		



DOWELL ENGINEER	PAYROLL INIT.
-----------------	---------------

RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER BY N.G. Busch
 AUTHORIZED AGENT

01/26/2024

TOTAL \$

TERMS AND CONDITIONS

In consideration of the prices to be charged as set forth in Dowell's Published Price Schedule and the performance of services and supplying of materials, customer agrees to the following terms and conditions:

1. **TERMS.** Cash in advance unless satisfactory credit is established; on credit sales to pay total net billing price at Dowell's office, Tulsa, Oklahoma by the end of the month following the month of treatment or sale. On past-due accounts, to pay interest thereon at the prime (New York) rate (in effect at time account becomes past due) plus one percent (1%). In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees to pay all collection costs and attorney's fees in the amount of 20% of said account.

2. **TAXES.** Any tax based on or measured by the charge for sale or rental of products or rendering of service shall be added to the price stated in Dowell's price schedule.

3. **PRODUCT SALES & RENTALS - WARRANTY.** Dowell warrants only that products (including tools, supplies and materials) furnished shall conform to the quality and specification represented and that Dowell can convey good title; DOWELL MAKES NO WARRANTY OF MERCHANTABILITY, OR THAT SAID PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE, NOR IS THERE ANY OTHER WARRANTY EXPRESSED OR IMPLIED EXCEPT AS EXPRESSLY STATED HEREIN.

Dowell's liability and customer's exclusive remedy for any cause of action arising out of a product sale or rental pursuant hereto is expressly limited at Dowell's option to (a) replacement of such product upon its return to Dowell, or (b) allowance to customer of credit for the cost of such product.

4. DOWN-HOLE TOOLS, EQUIPMENT & INSTRUMENTS.

a. If tools, equipment or instruments of Dowell are lost in a well, customer agrees to make a reasonable effort at customer's risk and expense to recover same; and, if unable to recover, to pay Dowell for same unless such loss or damage was caused solely by Dowell's negligence.

b. Unless caused by Dowell's willful misconduct or failure to exercise good faith, Dowell shall not be liable for and customer shall secure Dowell against any liability for damage to property of customer (and well owner if different from customer) resulting, directly or indirectly, from tools, equipment or instruments of Dowell being lost in a well.

5. **DOWELL SERVICES.** In rendering any service ordered by the customer, Dowell shall be an independent contractor with the understanding, however, that customer has complete custody and control of the well, the conditions created in the well, the drilling equipment, well promises and access routes from highways to well locations. Customer will give Dowell reasonable notice for each service ordered and, if requested, will furnish Dowell with written order for the same. Customer will have the well in readiness for the service and, following service, will return well to production.

A reasonable attempt will be made to get from the highway to the location and back under Dowell's own power. If caterpillar or other towing equipment is required, same will be provided by customer at his expense. If customer does not provide towing equipment, when necessary, Dowell will obtain same and bill customer at actual cost. In interpreting well information and making recommendations, either written or oral, as to type or amount of material or service to be

furnished, or manner of performance, or in predicting results to be obtained therefrom, Dowell will give customer the benefit of its best judgment based on its experience in the field. Nevertheless, all such recommendations or predictions are opinions only; and, in view of the impracticability of obtaining first-hand knowledge of the many variable well conditions and the necessity of relying on facts and supporting services furnished by others, NO WARRANTY IS GIVEN CONCERNING THE EFFECTIVENESS OF THE MATERIALS USED, RECOMMENDATIONS GIVEN, OR THE SERVICES RENDERED.

6. CUSTOMER'S RESPONSIBILITY & INDEMNITIES.

a. Unless caused by Dowell's willful misconduct or failure to exercise good faith, customer agrees to be fully responsible for and secure Dowell against:

(i) Liability for damage to property of customer (and well owner if different from customer), this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage;

(ii) Liability for reservoir loss or damage, or any property damage or personal injuries resulting directly or indirectly from subsurface pressure, well blowout or cratering, or losing control of the well;

(iii) Liability for any damages whatever, resulting directly or indirectly from a subsurface trespass arising out of any servicing operation performed by Dowell for customer;

(iv) Liability for injury to persons (including death) or damage to property, other than employees and property of Dowell, growing out of or in any way connected with the use of materials in the well which are radioactive, poison, toxic or otherwise hazardous.

b. Customer agrees that it occupies an equal bargaining position with Dowell and that the contractual liability assumed hereunder by customer is reasonable and equitable based on the nature of the services to be performed by Dowell.

7. **OFFSHORE EQUIPMENT & MARINE OPERATIONS.** In addition to the foregoing terms and conditions, which are applicable to offshore marine operations as well as land operations, customer agrees to insure against loss and assumes full responsibility for damage to equipment furnished by Dowell, including truck or skid-mounted pumpers, mixers, compressors, and auxiliary equipment from time of delivery to customer at landing until returned to landing when transported on craft, or located on platforms not owned or leased by Dowell.

Customer shall furnish water transportation for crew changes.

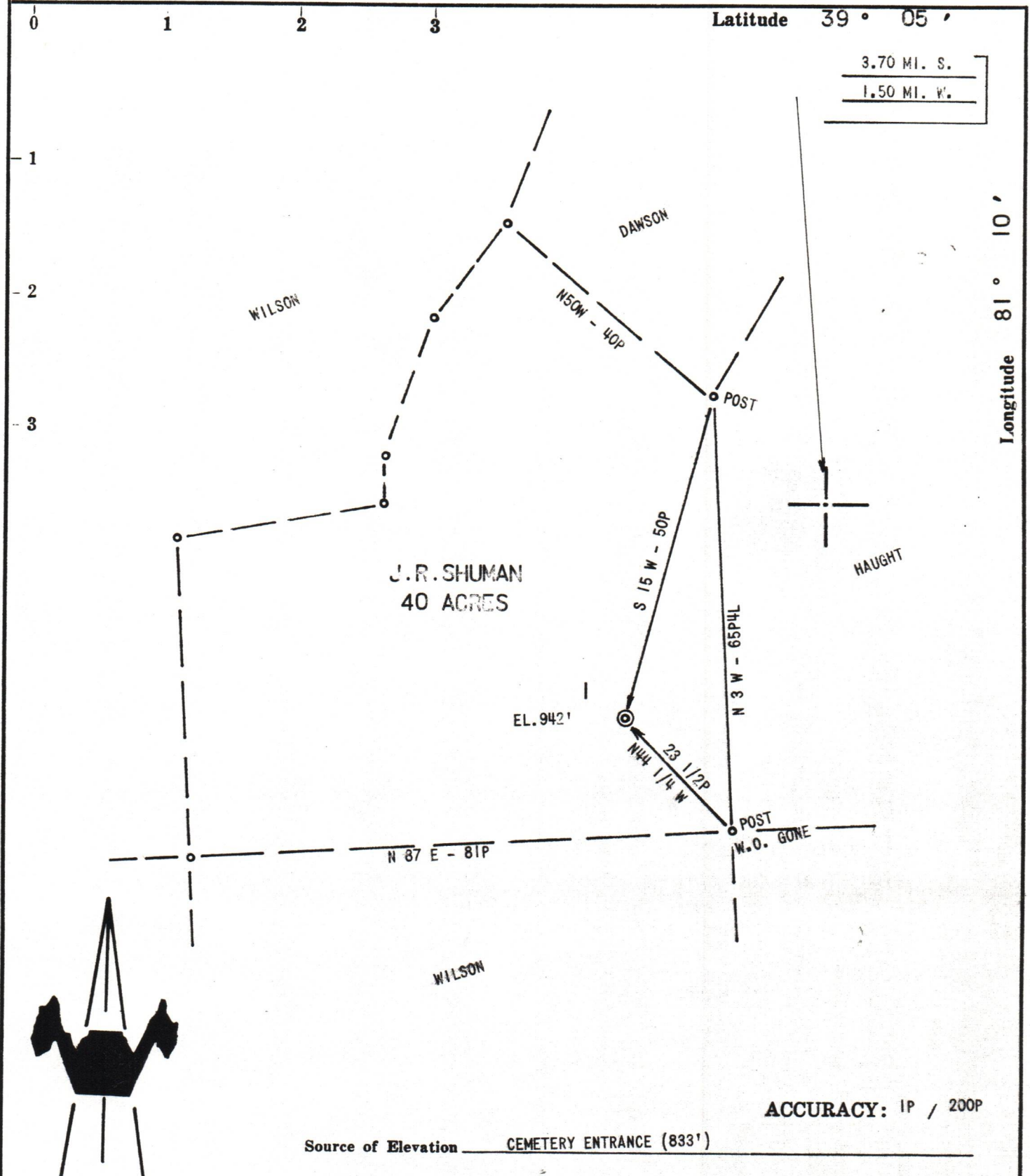
8. **PRICE CHANGES.** All prices appearing in said Price Schedule are subject to change without notice.

Prices in this schedule apply to regular and usual jobs and operations. Special jobs, under unusual conditions, will be subject to special price quotations to reflect increased or reduced costs.

9. The term "Dowell" as used herein is a trade name of The Dow Chemical Company; and, where used throughout this agreement, shall be construed to mean The Dow Chemical Company and its Dowell Division.

No Employee other than an Authorized Officer of Dowell is empowered to alter the above Terms and Conditions.

01/26/2024



ACCURACY: 1P / 200P

Source of Elevation _____ CEMETERY ENTRANCE (833')

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

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company	N.G. & DELTA BUSCH
Address	BROHARD, W. VA.
Farm	J.R. SHUMAN
Tract	Acres 40 Lease No.
Well (Farm) No.	1 Serial No.
Elevation (Spirit Level)	942'
Quadrangle	HARRISVILLE
County	WIRT District BURNING SPRINGS
Engineer	CHET WATERMAN
Engineer's Registration No.	3788
File No.	71003-442 Drawing No.
Date	10/23/71 Scale 1" = 20P

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

WELL LOCATION MAP
 FILE NO. WIRT-589-00
 01/26/2024

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.