

Line Item Explanation

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

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

WAIVER

09/29/2023

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

Date: _____, 19____

By _____

Its _____

OIL AND GAS ROYALTY OWNERS
D. MATHENY - DU PONT G-21

UNITIZED NET ACRES

Vincent L. & Dorotha O. Lowers
Route #1
Washington, WV 26181

21

Carl M. Matheny
Route #1
Washington, WV 26181

27

Darrell M. & Wilda I. Matheny
Toute #1
Washington, WV 26181

72

Robert T. & Clarastine O. Dines
402 Bryan Circle
Brandon, Florida 33511

40

Florence E. & John L. Schmidt
Route #1
New England, WV 26181

40

TOTAL NET UNITIZED ACRES

200

0310B

09/29/2023



IV-9
(Rev 8-81)

DATE June 7, 1983
WELL NO. D. Matheny No. 1 (G-21)
API NO. 47 - 107 - 1266

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME E. I. du Pont de Nemours & Co. DESIGNATED AGENT Ralph E. Sieber
Address P. O. Box 1217 Address E. I. du Pont de Nemours & Co.
Parkersburg, WV 26102 Parkersburg, WV-26102
Telephone 863-2000 Telephone 863-2189
LANDOWNER Darrell M. Matheny SOIL CONS. DISTRICT Little Kanawha
Revegetation to be carried out by Ralph E. Sieber (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan: 6-8-83
(Date)

Jarrett Newton
(SCD Agent)

RECEIVED

JUN - 7 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

ACCESS ROAD

LOCATION

Structure Culvert (A)

Structure Diversion Ditch (1)

Spacing 12" x 40' CMP and Rock Fill

Material Earthen

Page Ref. Manual 2:5, 2:7

Page Ref. Manual 1:9 or 2-12

Structure Cross Drains (B)

Structure Drilling Pits (2)

Spacing ~ 90 Feet

Material Polyethylene Lined

Page Ref. Manual 1:5 or 2-1

Page Ref. Manual

Structure Cross Drains (C)

Structure Rip Rap (3)

Spacing ~ 400 Feet

Material Stone

Page Ref. Manual 1:5 or 2-1

Page Ref. Manual 2-9

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 II

Lime 3 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* Ryegrass 30 lbs/acre

Seed* _____ lbs/acre

OR
Ky 31 Tall Fescue 45 lbs/acre

Ladino Clover 3 lbs/acre

_____ lbs/acre

09/29/2023

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

PLAN PREPARED BY R. E. Sieber P.E. R.P.E. 7976

ADDRESS P. O. Box 1217
Parkersburg, WV 26102

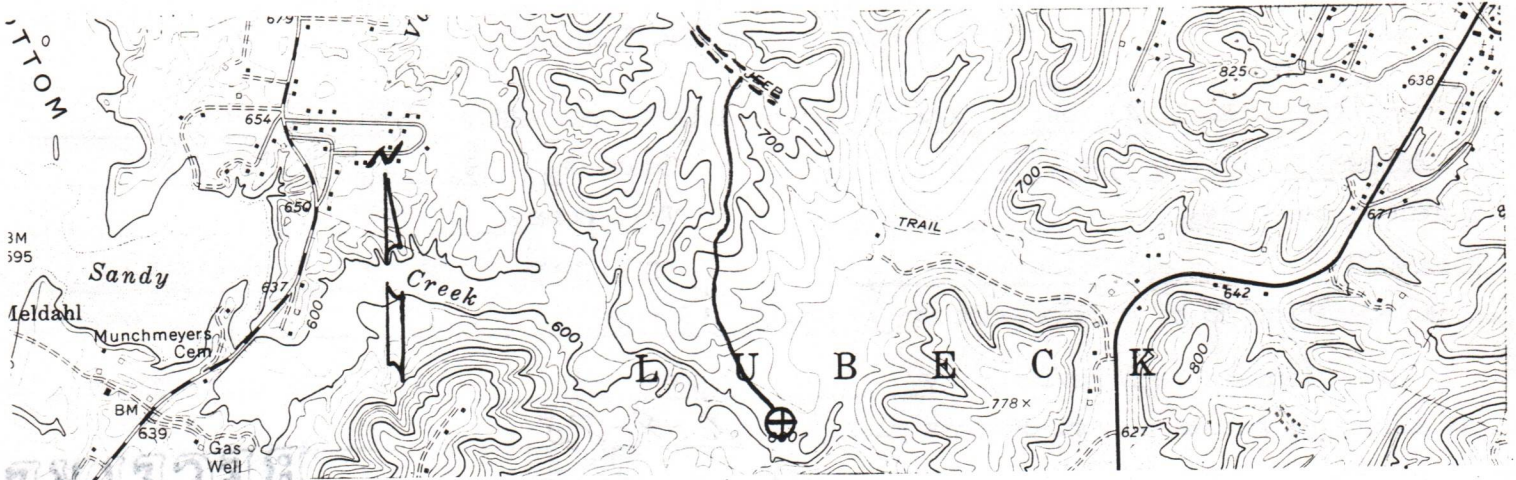
PHONE NO. 863-2189

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

IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPIY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Lubeck, WV

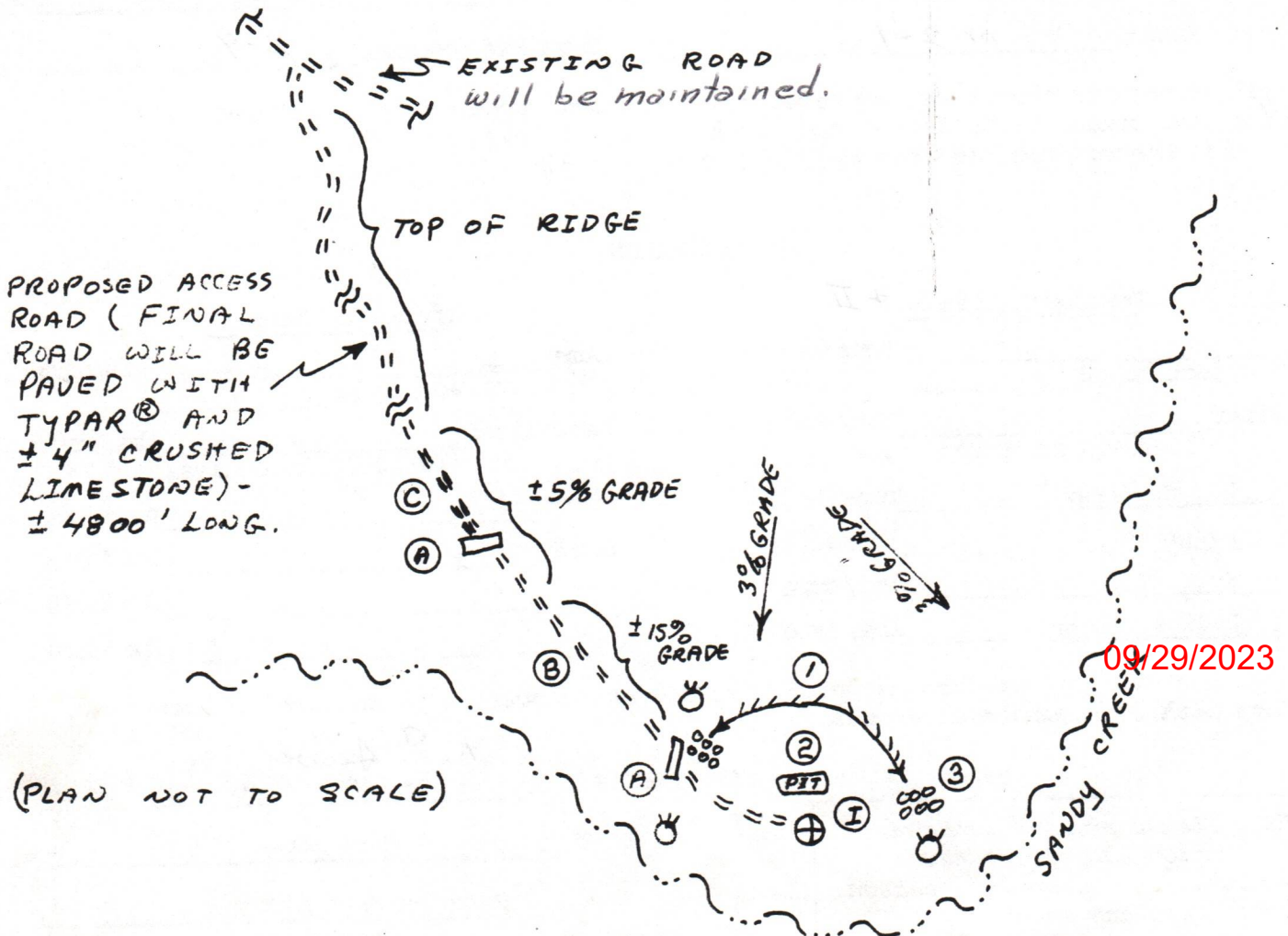
LEGEND	
Well Site	
Access Road	



WELL SITE PLAN

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

LEGEND			
Property boundary		Diversion	
Road		Spring	
Existing fence		Wet spot	
Planned fence		Building	
Stream		Drain pipe	
Open ditch		Waterway	





ORDER FOR
BONDS AND INSURANCE
 E. I. DUPONT DE NEMOURS & COMPANY
INCORPORATED
 WILMINGTON, DELAWARE

ORDER NO. **DD-2817**

DATE **7/9/82**

TO: **Johnson & Higgins**
1105 N. Market Street
Wilmington, DE 19801

Polymer Products Department
Parkersburg, WV

PLEASE EXECUTE THE FOLLOWING AND FORWARD YOUR INVOICE TO COVER WITH THE ABOVE
 ORDER NUMBER NOTED THEREON TO **Finance** DEPARTMENT, WILMINGTON, DELAWARE.

DESCRIPTION	EFFECTIVE
<p>Blanket Bond for wells, in the amount of \$15,000 to the State of West Virginia, covering permits to drill wells for a period of three years.</p> <p>MFF : kmk</p>	<p>9/28/82</p>

Finance
Insurance Section

DEPT.

BY **M. Faye Fritzsche**

DETACH BEFORE SENDING TO BROKER

CHARGE PREMIUM TO:
 8309

1380 L 33

APPROVED BY

09/29/2023

M. Faye Fritzsche

5197

OIL AND GAS LEASE

AGREEMENT, made and entered into this 8 day of JULY A.D. 1980 by and between DARRELL M. MATHENY AND WILDA F. MATHENY HUSBAND AND WIFE

of Rt #, WASHINGTON, W. VA 26181 party of the first part hereinafter called Lessor (whether one or more), and F. E. DEFONT DE NEMOURS AND COMPANY PARKERSBURG, W. VA.

party of the second part, hereinafter called Lessee;

\$390.00 \$312.00 + \$78.00

1. WITNESSETH: That the Lessor, in consideration of the sum of \$312.00 paid by Lessee to Lessor, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained, does hereby grant unto the Lessee all right, title and interest of Lessor in the oil and gas and all of the constituents of either in and under the land hereinafter described, together with the sole and exclusive right to explore for, drill for, extract and take oil, gas and other hydrocarbons and their constituents from the leased lands during the term hereinafter provided, together with the right to store gas of any kind in any formation underlying the land, and also the right to rights-of-way for passage over, upon and across and ingress and egress to and from the leased land at all times for the purpose of drilling and operating for oil and gas, laying pipe lines, erecting tanks, machinery, towers and structures, and to possess, use, and occupy so much of said premises as is necessary and convenient for said purposes and to convey the above named products therefrom or thereto by pipe lines or otherwise, said land being situate in LUBECK District, County of WOOD State of VA VA, and described as follows, to wit:

Bounded on the NORTH by lands of ROBT DINES EAST by lands of LENARD FOLWELL SOUTH by lands of HOUSING DEVELOPMENT (TAREY TOWN) WEST by lands of C. MATHENY Containing 78 acres, more or less and being the same land conveyed to Lessor by MABEL FOLWELL

by deed dated 1976 and recorded in the records of said county in

Book No. 202, Page 609 + 3611

2. Lessee shall further have the right to erect, construct, use and maintain transmission facilities on, through over and across the said premises for the purpose of removing or transporting oil, gas or their constituents produced on the said premises, or any premises unitized therewith pursuant hereto or on any other premises whatsoever which are operated by Lessee.

3. Lessee shall remove any and all equipment and paraphernalia which it may have used upon the herein leased premises as soon as practicable after ceasing their use and shall promptly take reasonable steps toward returning the said premises to the condition in which they were originally found.

4. It is agreed that this lease shall remain in force for a primary term of 3 years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, oil or gas is being transported across premises, or oil or gas is found in paying quantities thereon, or any formation underlying the herein leased land is used for storage of gas as provided under paragraph 10 hereof or the premises are combined with others in a drilling unit within which any such operations are being conducted, oil or gas is found in paying quantities, or formation is used for storage.

5. Lessee shall deliver to the credit of Lessor, free of cost, in any pipeline to which Lessee may connect its wells, the equal one-eighth ($\frac{1}{8}$) part of all oil produced and saved from said Land, or in the alternative if Lessor so elects, to deliver to Lessor one-eighth ($\frac{1}{8}$) part of all monetary proceeds derived from the sale of said oil by Lessee.

6. The Lessee shall deliver to the credit of Lessor, free of cost, a royalty in the amount of one-eighth ($\frac{1}{8}$) of the value of gas produced and saved from leased premises, payable monthly, said value to be determined on the basis of the wellhead price being generally paid for new gas in Wood County, West Virginia, as of the date drilling begins, said price to be adjusted annually to reflect any change in the interim; provided Lessee shall pay to Lessor a royalty at the rate of Fifty Dollars (\$50) per year on each gas well capable of producing gas in paying quantities while gas therefrom is not sold or used off the premises and while said royalty is so paid said well shall be held to be a paying well under paragraph 4 hereof.

7. The Lessee shall commence operations for a well on the premises or within the drilling unit as provided hereafter on or before the first yearly anniversary of this lease agreement, unless Lessee pays in advance a rental of \$ 4.00 per acre per year that operations are delayed from the time above mentioned. The consideration first recited herein, the down payment, shall cover not only the privilege granted to the date when first said rental is payable as aforesaid, but also the Lessee's option of extending that period as aforesaid, and any and all other rights conferred. The drilling of a nonproductive well shall be accepted by the Lessor in lieu of delay rental for a period of one year after its completion, and following the exhaustion or abandonment of all wells the Lessee shall have the right for a period of one year to resume the payment of delay rental or commence operations for another well. Upon the resumption of payment of rentals the provisions hereof governing such payment and the effect thereof shall continue in force as though they had not been interrupted.

8. All moneys coming due hereunder shall be paid or tendered to THEM direct, or by check payable to his (or her) order mailed to THEM, and no default shall be declared against the Lessee by the Lessor for failure of the Lessee to make any payment or perform any conditions provided for herein unless the Lessee shall refuse or neglect to pay or perform the same for ten days after having received written notice by registered mail from the Lessor of his intention to declare such default.

9. Lessor reserves 200,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing gas well actually located on the above described land and without regard to any unitization thereof; and agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Lessee not to be held liable for any accident or damage caused thereby, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

~~10. Lessee shall have the right to use any formation underlying the leased premises for the storage of gas and shall have all rights and rights-of-way necessary to store and produce such stored gas. As full payment for such storage rights, the Lessee shall pay to the Lessor a rental at the rate of 4.00, per acre per year, in addition to any delay rental hereinabove provided for. While the premises are so used, and so long as the storage payment is made, all provisions of this lease shall remain in full effect.~~

11. Lessor further grants to the Lessee, its successors and assigns, the right to unitize this lease with other leases to form a drilling unit or units for the proper development and conservation of the field. In the event this lease is so unitized, the Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of the royalty above provided as the acreage covered by this lease and within said drilling unit bears to the total acreage comprising the unit.

12. If said Lessor owns a less interest in the above described land than the undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the Lessor only in the proportion which his interest bears to the whole and undivided fee.

13. No well may be drilled nearer than 200 feet to the house or barn now on said premises without the written consent of Lessor. Lessee shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas and oil produced on said land for its operations thereon. Lessee shall also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises,

09/29/2023

including the right to draw and remove casing. Lessee shall pay for damages caused by its operations to growing crops on said lands, and, when requested by Lessor, shall bury its pipe lines below plow depth.

14. The interest or estate of either party hereto may be assigned, the privilege of assigning in whole or in part being expressly allowed. In event this lease shall be assigned as to any part or parts of the above described land and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate to defeat or affect this lease insofar as it covers a part or parts of said land upon which the said Lessee or any assignee thereof shall make due payment of said rental. No change of ownership in the land or in the rentals or royalties shall be binding on the Lessee until after notice to the Lessee and it has been furnished with a written transfer or assignment or a certified copy thereof.

15. At any time, Lessee, its successors or assigns, shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities hereunder thereafter shall cease and determine, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the Lessor, or if more than one Lessor, then to any one of them, or to the heirs or assigns of any one of them by delivery of a duly executed surrender thereof in person or by mail addressed to the post office address of such person, or by recording a duly executed surrender thereof in the Recorder's office of the County in which the land is located.

16. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that the Lessee at its option may pay, discharge or redeem any taxes, mortgages, or other liens existing, levied, or assessed on or against the above described lands, and in event it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying any royalty or rentals accruing hereunder to the discharge of any such taxes, mortgages or other liens.

17. Lessee shall pay any and all personal property taxes which may be levied as a result of production pursuant to this lease agreement.

18. It is expressly agreed that if the Lessee shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom, then as long as production continues. If after the expiration of the term of this lease production from the lease premises shall cease from any cause, this lease shall not terminate provided Lessee resumes operations within sixty days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, then as long as oil or gas is produced in paying quantities.

This lease embodies the entire contract and agreement between Lessor and Lessee, and no warranties, representations, promises, or inducements not herein expressed have been made or relied upon by either party. The terms, conditions and stipulations herein shall extend to the respective heirs, executors, administrators, successors and assigns of the parties hereto.

IF NOT DRILLED IN 3 YEARS THIS AGREEMENT IS NULL & VOID
AS LONG AS THIS LEASE IS IN EFFECT THE LESSOR WILL
NOT RECEIVE LESS THAN \$4.00 PER ACRE PER YEAR AND
MORE IF THE YR OF OIL & GAS PRODUCTION IS MORE,

Witness the hands and seals of the parties hereto the day and hour first above written.

Robert P. Foster

E. I. DU PONT DE NEMOURS AND COMPANY
MANAGER, REAL ESTATE

X *Emell M. Matheny*
X *Kelda Matheny*

ACKNOWLEDGMENT

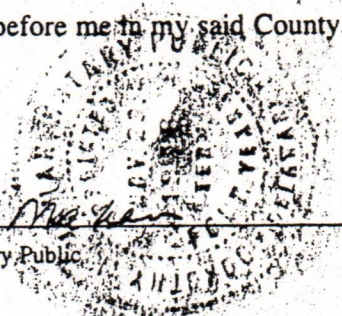
STATE OF Delaware
COUNTY OF New Castle

BOOK **746** PAGE **719**

)
) To-wit:
)

I, Dorothy M. Mahan, a Notary Public of said County, do hereby certify that JR Weaver, Manager, Real Estate, E. I. du Pont de Nemours and Co., whose name JS signed to the within writing bearing date the 8th day of July, 1980 has this day acknowledged the same before me in my said County. Given under my hand this 15th day of August, 1980.

Dorothy M. Mahan
Notary Public



My Commission expires 11-20-80

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA
COUNTY OF Wood

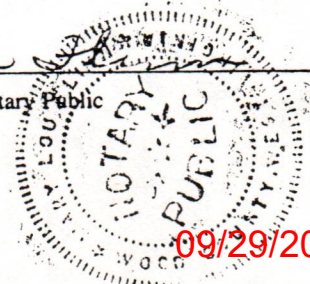
)
) To-wit:
)

NOV 12 9 32 AM '80
BOOK **746** PAGE **716**
CLERK OF THE COURT
FARMERSBURG, WV

RECORDED

I, May Lou Flinn, a Notary Public of said County, do hereby certify that DARRELL M. MATHENY AND WILDA I MATHENY, whose name S signed to the within writing bearing date the July 8 day of 8, 1980 has this day acknowledged the same before me in my said County. Given under my hand this 8 day of July, 1980.

May Lou Flinn
Notary Public



My Commission expires April 25, 1988

Prepared by: DuPont

09/29/2023



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
CHARLESTON 25305

June 10, 1983

Theodore M. Streit, Administrator
Department of Mines
Office of Oil and Gas

RE: APPLICATION FOR PERMIT #47- 107 -1266 TO DRILL DEEP WELL
COMPANY: E. I. DuPONT de NEMOURS & COMPANY
FARM: DARRELL M. AND WILDA F. MATHENY
COUNTY: WOOD DISTRICT: LUBECK

The application of the above company is APPROVED FOR TUSCARORA COMPLETION
(APPROVED - DISAPPROVED)

Applicant HAS complied with the provisions of Chapter twenty-two,
HAS - HAS NOT
four-A (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one
(1931), as amended, Oil and Gas Conservation Commission, as follows:

1. *Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes*
2. *Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, ***
3. *Provided a plat showing that the proposed locations is a distance of 501 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3,000 feet of the proposed location: See ***

**

107-1052 - 3000'
107-1149 - 3500'
107-0789 - 4800'

Very truly yours,

James B. Gehr
James B. Gehr
Commission Chairman

JBG/rf

09/29/2023



IV-35
(Rev 8-81)

Date December 30, 1983
Operator's
Well No. 2 G-21
Farm Matheny
API No. 47 - 107 - 1266

State of West Virginia
Department of Mines
Oil and Gas Division

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JAN 26 1984
OIL & GAS DIVISION
DEPT. OF MINES

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

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

LOCATION: Elevation: 612.3 KB 604.3 GL Watershed Sandy Creek
District: Lubeck County Wood Quadrangle Lubeck (7.5)

COMPANY E.I. DuPont de Nemours & Co., Inc.

ADDRESS PO Box 1217, Parkersburg, WV 26102

DESIGNATED AGENT Ralph Sieber

ADDRESS Same

SURFACE OWNER Darrel Matheny

ADDRESS Rt. 1, Box 285, Washington, WV

MINERAL RIGHTS OWNER Same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

J. Tephabock ADDRESS Ripley, WV

PERMIT ISSUED June 8, 1983

DRILLING COMMENCED 6/27/83

DRILLING COMPLETED 8/1/83

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" 11-3/4"	162	162	To surface
9 5/8			
8 5/8	2115	2115	To surface
7			
5 1/2	5892	5892	260 Sks.
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Silurian Sands (Clinton) (Median) Depth 5900 feet

Depth of completed well 5901 feet Rotary X / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt _____ feet

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

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 4196-4202 ^{KB} feet

Gas: Initial open flow show Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 200 Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1550 psig (surface measurement) after 4 hours shut in

(If applicable due to multiple completion--)

09/29/2023

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)

WOOD 1266

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

Perforated 5778-5788 (Whirlpool) fractured - no response - set plug @ 5750.
 Perforated 5696-5711 (Tuscarora) fractured - no response - set plug @ 5674.
 Perforated 4196-4202 (Oriskany) acidized w/500 gal 15% HCL.
 Break down 1700 psi - (375 mcf/day)

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JAN 5 1984
OIL & GAS DIVISION
DEPT. OF MINES

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Surface soil			0	20	
Shale			20	200	
Sand			200	240	
Shale			240	310	
Sandstone			310	330	
Shale silt			330	750	
Sandstone			750	900	
Shale silt			900	1240	
Sandstone			1240	1280	
Shale			1280	1355	
Sandstone			1355	1510	
Shale silt			1510	1853	
Sandstone			1853	1856	
Shale and siltstone			1856	4096	
Limestone, Chert			4096	4193	
Sandstone			4193	4200	
Limestone, Dolomite			4200	5293	
Sandstone			5293	5323	
Shale			5323	5530	
Dolomite			5530	5545	
Shale			5545	5590	
Sand and shale			5590	5710	(Driller's Clinton Formation)
Shale			5710	5773	
Sandstone			5773	5790	(White Medina)
Shale (Queenstone)			5790	5901	T.D.

(Attach separate sheets as necessary)

E. I. DUPONT DE NEMOURS & CO. INC.

Well Operator

By:

R. S. Sieber

09/29/2023

Date:

December 30, 1983

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

JUL 18 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 107-1206

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS			
																Size			Kind of Packer			
<u>E. I. Du Pont</u>	<u>Parkersburg, W.V.A.</u>	<u>Darrell + Wilda Maeheng</u>	<u>@-21</u>	<u>Lubeck</u>	<u>Wood</u>	<u>6/27/83</u>										<u>16</u>						
																<u>13</u>						
																<u>11 3/4</u>		<u>162 KB</u>	Size of			
																<u>8 5/8</u>		<u>2115 KB</u>				
																<u>6 5/8</u>			Depth set			
																<u>5 3/16</u>						
																<u>3</u>			Perf. top			
																<u>2</u>			Perf. bottom			
																Liners Used			Perf. top			
																			Perf. bottom			
																CASING CEMENTED	<u>11 3/4</u>	SIZE	<u>162 KA</u>	No. FT.	<u>6/28/83</u>	Date
																NAME OF SERVICE COMPANY	<u>Halliburton</u>					
																COAL WAS ENCOUNTERED AT		FEET		INCHES		
																	FEET		INCHES	FEET		INCHES
																	FEET		INCHES	FEET		INCHES

Drillers' Names Pusher Harley Jarvis F.W.A Drilling Rig 23

Remarks: 6/28/83 Ran 162 ft. K.B. of 11 3/4" & cemented with 100 sacks Class A.
3% C.G. Plug Down 3:00 By Halliburton
7/1/83 Ran 2115 ft. of 8 5/8" pipe + cem. with 275 sacks Halliburton Lite 2700
and 170 Sacks Class H, 1/4 lb. Flocele 3% C.G. Plug Down 9:00 AM, by Halliburton
Drilled to Oriskany and got Hung while coring.
7/10/83 Spotted cement plug over Fish 3923 back to 3673 75 sacks
Class A, By Halliburton.
7/13/83 Drilling Back by Fish now at 3830 ft.

7/13/83
DATE
Homer H. [Signature]
09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
JUL 25 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 107-1266

Company <u>E. I. DuPont. Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Parkersburg, W. VA.</u>	Size			
Farm <u>Darrel & Wilda Matheny</u>	16			Kind of Packer _____
Well No. <u>G-21</u>	13			
District <u>Lubeck</u> County <u>Wood</u>	10			Size of _____
Drilling commenced <u>6/28/83</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Paul Collins Pusher Harley Jarvis

Remarks: FWA Drilling Rig #23
7/20/83 4575 Ft. Deep Drilling on Mud Fluid.

7/20/83
DATE

Homer H. D. [Signature]
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 28 1983

INSPECTOR'S WELL REPORT

Permit No. 107-1266

OIL & GAS DIVISION
DEPT. OF MINES

Company E. I. DuPont
 Address Parkersburg, W.V.A.
 Farm Darrell + Wilda Matheny
 Well No. G. 21
 District Lubeck County Wood
 Drilling commenced 6/28/83
 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 Paul Collins Pusher Harley Jarvis

Remarks: F.W.A. Drilling Co Rig #23
7/25/83 5237 Ft. Deep Drilling on Mud
Making Bit trip ~~going~~ back in hole
going

7/25/83
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

09/29/2023

8/4/83
DATE

SSH Plug Down 10:00 A.M. 8/1/83

H. Dougherty
DISTRICT WELL INSPECTOR

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

RECEIVED

OCT 21 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 107 1266

Oil or Gas Well _____
(KIND)

Company <u>DuPont.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>MATHony</u>	16			Kind of Packer _____
Well No. <u>621</u>	13			
District <u>Lubeck</u> County <u>wood</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: partially Reclaimed looks Good

10 18 83
DATE

George T. Tolled
09/29/2023
DISTRICT WELL INSPECTOR



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
FEB 21 1984
OIL & GAS DIVISION
DEPT. OF MINES

COMPANY E.I. DuPont de Nemours & Co.

PERMIT NO 47-107-1266

P.O. BOX 1217

FARM & WELL NO Darrel Matheny #2(G-21)

Parkersburg, Wv. 26102

DIST. & COUNTY Lubeck/Wood

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

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

SIGNED GLEN P. ROBERTSON

DATE 15 February 1984

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

T. H. ...
Administrator-Oil & Gas Division

May 11, 1984

DATE



A DIVISION OF HALLIBURTON COMPANY

P.O. BOX 84737
DALLAS, TEXAS 75284

DIRECT ANY CORRESPONDENCE TO
P.O. DRAWER 1431
DUNCAN, OKLAHOMA 73536

PAGE 1 OF

2 PAGES

INVOICE

NO. 578617

FORM 1906 R-8

WELL NO. AND FARM: **Mathewy #2**

COUNTY: **Wood** STATE: **WV** DATE: **6/27/83**

CHARGE TO: **CONOCO**

ADDRESS: **ONE LAKEVIEW ENERGY CENTER
8817 N.W. EXPRESSWAY
OKLA. CITY, OKLA. 73112**

OWNER: **SAMP**

CONTRACTOR: **FWA-23**

SHIPPED VIA: **Howco**

DELIVERED TO: **Location**

ORDER NO.

WELL TYPE: **Oil Development**

TYPE AND PURPOSE OF JOB: **CEMENT 11 3/4 casing**

DUNCAN USE ONLY: LOCATION 1 **Perla O** CODE 10950
LOCATION 2 CODE
LOCATION 3 CODE

BULK MATERIAL DELIVERY TICKET NO. **B-271462**

COPY

TERMS: INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY	MEAS	QTY	MEAS			
000-117				MILEAGE ON 0610	25	MI			2.10	52	50
001-016				downhole charge	151	FT				375	00
030-015				11 3/4" 5' casing	1	CG			193.00	193	00
				APC 55-61-2598-417-D							
				ORIGINAL INVOICE TO BE BILLED TO CONOCO DIRECT APPROVED BY <i>Gay L. Anderson</i> DATE <i>6/28/83</i>							
										AS PER ATTACHED B TICKET NO. 271462	
										886 67	
										1,507 17	

Wood 1266

WAS JOB SATISFACTORILY COMPLETED? Yes

WAS OPERATION OF EQUIPMENT SATISFACTORY? Yes

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? VERY GOOD

X *Gay L. Anderson*
CUSTOMER OR HIS AGENT

TAX REFERENCES

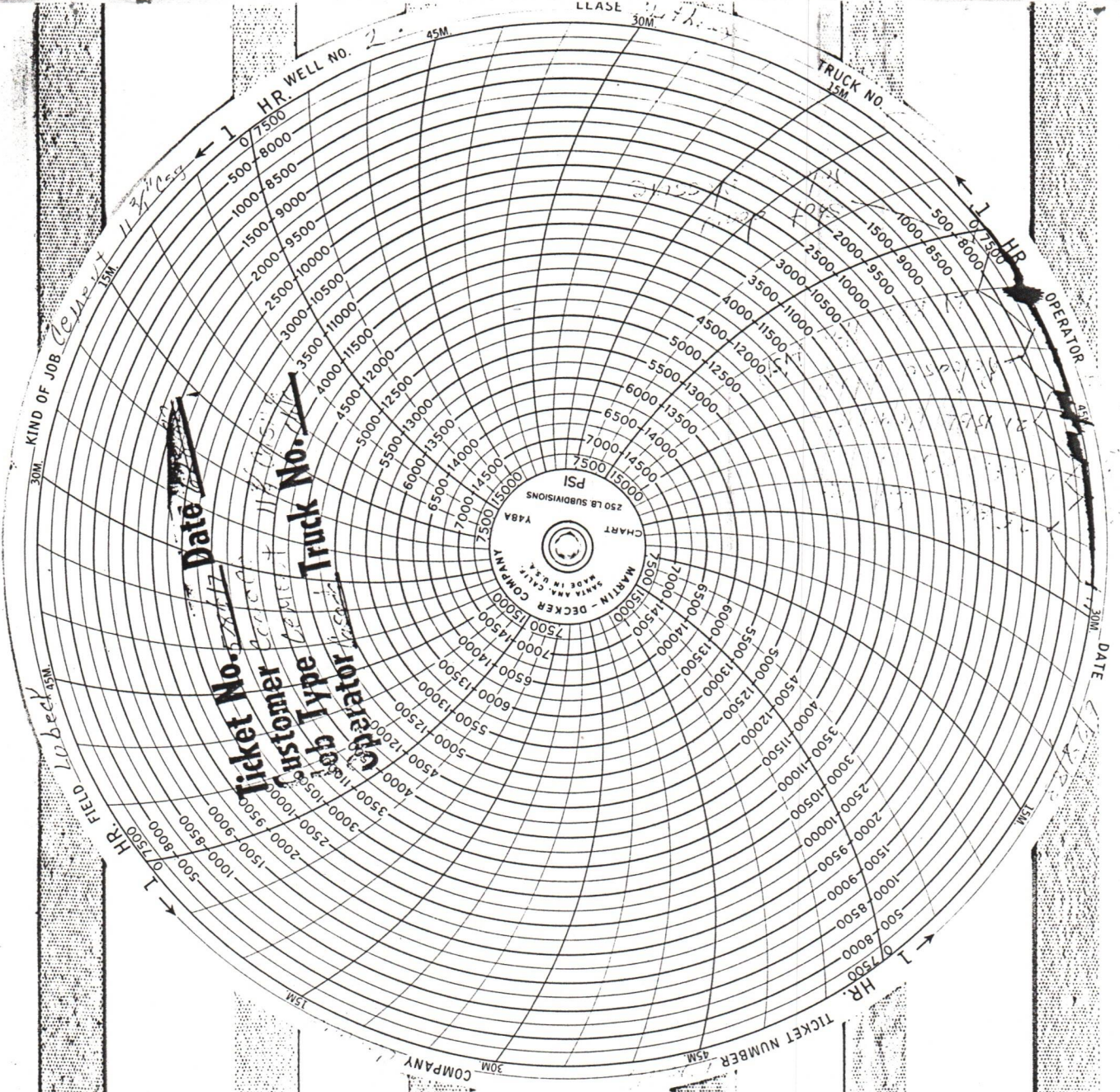
Ken Casade
HALLIBURTON OPERATOR

TOTAL

09/29/2023

COPY

09/29/2023



KIND OF JOB *11 3/4" Casing*
 HR. WELL NO. *2*
 TRUCK NO. *15M*
 OPERATOR *15M*
 DATE *11/29/2023*

Ticket No. *1115*
 Customer *CEMENT*
 Truck Type *1115*
 Operator *15M*

HR. FIELD *10beck*
 HR. WELL NO. *1*
 TRUCK NO. *15M*
 OPERATOR *15M*
 DATE *11/29/2023*



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

ATTACH TO INVOICE & TICKET NO. 575617

FORM 1908 R-3

DISTRICT Basin Okla

DATE 6/27/83

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Customer (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 7 LEASE Mallory SEC. 1 TWP. 1 RANGE 1

FIELD Lubart COUNTY Woods STATE WV OWNED BY Goyle

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
<u>N/A</u>	<u>N/A</u>						
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH <u>192</u>	MUD WEIGHT						
DEPTH TO CORE HOLE <u>153</u>							SHOTS/FT.
INITIAL PROD: OIL BPD, H ₂ O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H ₂ O BPD, GAS MCF							

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cement 11 3/4 casing 2111 100 ft 5 TD down

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) As consideration, the above-named Customer agrees
- b) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- c) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- d) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- e) Customer shall be responsible for and secure Halliburton against any and all liability of whatever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- f) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- g) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- h) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- i) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information, except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- j) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- k) Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- l) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
- m) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Ray L. Anderson
6/27/83 CUSTOMER

09/20/2023

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON
DIVISION At Halliburton PA

HALLIBURTON
LOCATION Keen Oil

BILLED ON
TICKET NO. 578617

FIELD Keen Oil SEC. _____ TWP. _____ RNG. _____ COUNTY Wood STATE WV

FORMATION NAME N/A TYPE N/A

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA 15' 6" hole TOTAL DEPTH 192

WELL DATA PERMIT # 1266

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>11A</u>	<u>42</u>	<u>11 3/4</u>	<u>KB</u>	<u>151</u>	<u>500</u>
LINER						
TUBING						
OPEN HOLE						
PERFORATIONS						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>11 3/4"</u>	<u>1</u>	<u>Hercules</u>
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>11 3/4" Hercules</u>	<u>1</u>	<u>Hercules</u>
HEAD <u>11 3/4" Hercules</u>	<u>1</u>	<u>Hercules</u>
PACKER		
OTHER		

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6/27/83</u>	DATE <u>6/27/83</u>	DATE <u>6/27/83</u>	DATE <u>6/27/83</u>
TIME <u>1941</u>	TIME <u>2145</u>	TIME <u>0737</u>	TIME <u>0755</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. J. ...</u>	<u>1111</u>	<u>Keen Oil</u>
<u>A. ...</u>	<u>...</u>	<u>Keen Oil</u>
<u>B. ...</u>	<u>...</u>	<u>Keen Oil</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

DEFUMIGANT TYPE _____ GAL. _____ IN _____

EMULSIFIER TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

SEPARATING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

CRACKER TYPE _____ GAL.-LB. _____ IN _____

LOCKING AGENT TYPE _____ GAL.-LB. _____ IN _____

EMULSIFIER BALLS TYPE _____ QTY. _____

OTHER 5 gal W/B

DEPARTMENT ...

DESCRIPTION OF JOB ...

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.

CUSTOMER REPRESENTATIVE X Gary L. Andrew

HALLIBURTON OPERATOR Ken ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>100</u>	<u>STD</u>	<u>A</u>	<u>Hercules</u>	<u>P</u>	<u>33 1/2</u>	<u>1.15</u>	<u>10</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

SHUT-IN _____ MAXIMUM _____

FRACURE GRADIENT _____

HYDRAULIC HORSEPOWER _____

AVERAGE RATES IN BPM _____

CEMENT LEFT IN PIPE _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 20 TYPE H₂O

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. 10

TREATMENT: BBL.-GAL. 25 Gal DISPL: BBL.-GAL. 21

CEMENT SLURRY: BBL.-GAL. 21

TOTAL VOLUME: BBL.-GAL. 90

REMARKS

See Job Log **09/29/2023**

REASON Customer Request

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2 LEASE Mattlow TICKET NO. 578617

CUSTOMER Casino PAGE NO. 1

JOB TYPE Cement 11 3/4" Casino DATE 6/27/83

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							Left Reno Pump
	2145							on location rigging up
	2300							Safety meeting with the
	0033		20				0	Start Job Load casing
	0232		25				100	pump 25 BBL Gel 6%
	0238		10				100	10 BBL H ₂ O spacer
	0242		21				250	21 BBL Cement
	0247							Release plug
	0252		21				300	21 BBL H ₂ O Disp
	0259							Shot down Release pressure
								water circulated 7 good BBL cement

BULK MATERIALS DELIVERY AND TICKET CONTINUATION



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

FOR INVOICE AND
TICKET NO. 578617

DATE 6-27-83	CUSTOMER ORDER NO.	WELL NO. AND FARM Matheny #2	COUNTY Wagoner	STATE OK
CHARGE TO CONOCO		OWNER SAME	CONTRACTOR FWA #23	No. B 271462
MAILING ADDRESS One Lakeview Energy Center		DELIVERED FROM REND ON	LOCATION CODE 10950	PREPARED BY CRONIN
CITY & STATE 3817 N.W. Expressway Chickasha City OK 73112		DELIVERED TO LOCATION	TRUCK NO. 50163	RECEIVED BY CASADA

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-043				STANDARD LINK CEMENT	100	SKS			5.77	577	00
509-406				CAL. CHL. B/2% P/SK	3	SKS			26. ⁰⁰	78	00
507-551				HALLIBURTON GEL N/B	5	SKS			9.25	46	25
					Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET			
500-207				SERVICE CHARGE				CU. FEET 106	.95	100	70
500-306				Mileage Charge	9,682	25		CU. FEET 121,025	.70	84	72
					TOTAL WEIGHT	LOADED MILES	TON MILES				
No. B 271462								CARRY FORWARD TO INVOICE		SUB-TOTAL	
										886 67	

09/29/2023



A DIVISION OF HALLIBURTON COMPANY

REMIT TO
 P.O. BOX 84737
 DALLAS, TEXAS 75284
 DIRECT ANY CORRESPONDENCE TO
 P.O. DRAWER 1431
 DUNCAN, OKLAHOMA 73536

PAGE 1 OF .

2 PAGES

INVOICE

NO. 578619

WELL NO. AND FARM Mathewy # 2	COUNTY Wood	STATE WV	DATE 7/1/83
CONTRACTOR Howco	OWNER Same	DUNCAN USE ONLY	LOCATION 1 Reno Q
CONTRACTOR FWA-23	SHIPPED VIA Howco	LOCATION 2	CODE 10950
DELIVERED TO Location	ORDER NO.	LOCATION 3	CODE
WELL TYPE Oil + Gas Development	TYPE AND PURPOSE OF JOB Cement 8 5/8 Casing	BULK MATERIAL DELIVERY TICKET NO. B-271468	CODE 040

COPY

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

PRICE REFERENCE	SECONDARY REF OR PART NO	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY	MEAS	QTY	MEAS		
00-117			MILEAGE on 0610	25	MI			2.10	52 50
001-016			pumping charge	2116	FT				879 00
030-015			8 5/8 swiper plug	1	ea				76 00
AS PER ATTACHED B TICKET NO. 271468 271468									3597 27

55-61-25980 FEA 417

JOB SATISFACTORILY COMPLETED?

ORIGINAL INVOICE TO BE BILLED

APPROVED BY *[Signature]*

DATE 7-1-83 CUSTOMER OR HIS AGENT

TAX REFERENCES	SUB TOTAL	4,604 77
	TAX	
	TAX	
	TAX	
	TOTAL	

Ken Casada
 HALLIBURTON OPERATOR

09/29/2023



COPY



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

FORM 1908 R-3

ATTACH TO INVOICE & TICKET NO. 578619

DISTRICT Reno Ohio

DATE 7/1/83

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: CONOCO (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2 LEASE Matheny SEC. _____ TWP. _____ RANGE _____

FIELD Lubeck COUNTY Wood STATE WV OWNED BY same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME N/A TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 2116 MUD WEIGHT _____
BORE HOLE 10 5/8" hole
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>New</u>	<u>24</u>	<u>8 5/8</u>	<u>KB.</u>	<u>2116</u>	<u>1500</u>
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Cement 8 5/8 casing to surface with 275 SK
Light CMT. + 170 SK STD Cement

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - (j) Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED Agnes Chamber DATE 6/30/83 CUSTOMER

09/29/2023

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON
DIVISION

Pittsburgh PA

HALLIBURTON
LOCATION

Reno Ohio

BILLED ON
TICKET NO. 578619

WELL DATA Permit # 1266

FIELD Lu beck SEC. _____ TWP. _____ RNG. _____ COUNTY Wood STATE WV

FORMATION NAME N/A TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA 10 5/8" hole TOTAL DEPTH 2116

	NEW	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>New 24</u>	<u>8 5/8</u>	<u>KB</u>	<u>2116</u>	<u>1000</u>
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6/30/83</u>	DATE <u>6/30/83</u>	DATE <u>7/1/83</u>	DATE <u>7/1/83</u>
TIME <u>1730</u>	TIME <u>2100</u>	TIME <u>0759</u>	TIME <u>0903</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLY COLLAR		
FLY SHOE <u>8 5/8</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE		
CENTRALIZERS <u>8 5/8</u>	<u>3</u>	<u>Howco</u>
BOTTOM PLUG		
TOP FLUG <u>8 5/8 5wiper</u>	<u>1</u>	<u>Howco</u>
HEAD <u>8 5/8 PCT Mann Gold</u>	<u>1</u>	<u>Howco</u>
PACKER		
OTHER <u>20 9/16 Plate Fib.</u>	<u>1</u>	<u>Howco</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K Casady</u>	<u>31278 Cementer</u>	<u>Reno, O</u>
<u>Mark Ehrenberg</u>	<u>75-C</u>	<u>Reno, O</u>
<u>Steve Schofield</u>	<u>7-D</u>	<u>Reno, O</u>
<u>Bob Ransbousen</u>	<u>50886</u>	<u>Reno, O</u>
	<u>7-D</u>	<u>Reno, O</u>
	<u>50163</u>	<u>Reno, O</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
PROP. TYPE _____ SIZE _____ LB. _____
PROP. TYPE _____ SIZE _____ LB. _____
ACID TYPE _____ GAL. _____ % _____
ACID TYPE _____ GAL. _____ % _____
ACID TYPE _____ GAL. _____ % _____
SURFACTANT TYPE _____ GAL. _____ IN _____
DYE AGENT TYPE _____ GAL. _____ IN _____
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____
GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
BREAKER TYPE _____ GAL.-LB. _____ IN _____
BLOCKING AGENT TYPE _____ GAL.-LB. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT Cement
DESCRIPTION OF JOB Cement 8 5/8 casing
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X Basol Chamber 7-1-83
HALLIBURTON OPERATOR Ken Casady COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>275</u>	<u>Light</u>	<u>A</u>	<u>Howco</u>	<u>B</u>	<u>2% CC 1/4# Floeale</u>	<u>1.54</u>	<u>13.8</u>
<u>1</u>	<u>170</u>	<u>STD</u>	<u>A</u>	<u>Howco</u>	<u>B</u>	<u>3% Cali. Chl 1/4# Floeale</u>	<u>1.18</u>	<u>15.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL. 15 TYPE H2O
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL. _____ DISPL: BBL. 135
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 118
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. _____

AVERAGE RATES IN BPM

REMARKS

TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
REASON Baffle plate 20%
See Job Log 09/29/2023
Circulated 7 BBL Good Out.

CUSTOMER: Howco
LEASEE: Matherly
WELL NO.: 2
JOB TYPE: Cement 8 5/8 casing
DATE: 7/1/83

HALLIBURTON SERVICES
JOB LOG

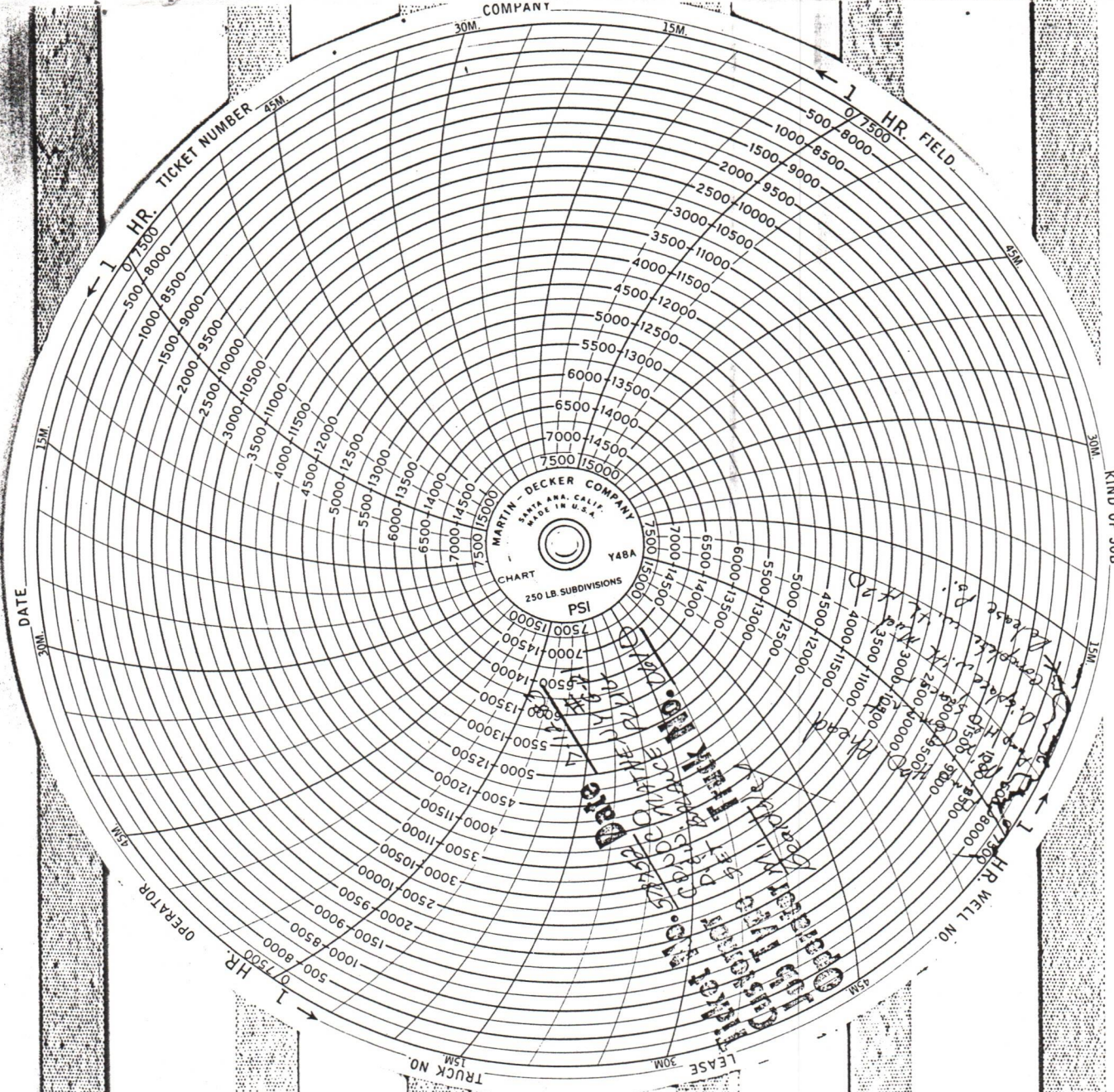
WELL NO. 2 LEASE Matheny TICKET NO. 578619
 CUSTOMER Conoco PAGE NO. 1
 JOB TYPE Cement 8 5/8 Casing DATE 7/1/83

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							Lost Reno Camp
	2200							on Location Rigging up logging hole
	2345							Safety meeting Job Plan
	0400							Running casing
	0630							circulate well with Rig pump
	0759		15			200		Start Job 15 BBL H ₂ O Ahead
	0804		78			200		78 BBL Cement
	0818							Hook up Emergency mixer
	0828		40			200		pump 40 BBL Cement
	0835							Release plug
	0837		135			950		Pump 135 BBL H ₂ O Disp
	0859					1200		Land plug
	0900							Release Pressure
	0901		.5			1200		Check plug Pump 1/2 BBL
	0903							Release Pressure Shut in
								Circulated 7 BBL Good cement
								Note - Deming pump on pump track full of River Gravel.

COPY

09/29/2023



09/29/2023



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

ATTACH TO INVOICE & TICKET NO. 578252

FORM 1908 R-3

DISTRICT RENO, OHIO

DATE 7-10-83

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: CONOCO

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER) Permit # 47-107-1266

WELL NO. #621 LEASE DARRELL & WILDA MATHENY SEC. DIST LUBECK RANGE

FIELD LUBECK COUNTY WOOD STATE W. Va. OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
<u>N/A</u>							
CASING	<u>4 1/2</u>	<u>11</u>	<u>16.60</u>	<u>4 1/2</u>	<u>2935</u>	<u>3927</u>	<u>—</u>
LINER	<u>3 1/2</u>	<u>11</u>	<u>13.30</u>	<u>3 1/2</u>	<u>GL</u>	<u>2935</u>	<u>—</u>
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

SET BALANCE PLUG

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- (j) Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
- (l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Gary L. Anderson 09/29/2023
CUSTOMER

DATE 7-10-83

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON DIVISION PITTSBURGH, PA.

HALLIBURTON LOCATION RENO, OHIO

BILLED ON TICKET NO. 578252

CUSTOMER CO20000 LEASE D & W MATHENY WELL NO. # 8-21 JOB TYPE SET BALANCE PLUG DATE 7-10-83

WELL DATA

FIELD LUBECK SEC. Dist. LUBECK COUNTY Wood STATE W. Va.

FORMATION NAME	TYPE	DRILL	PROG. USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
<u>N/A</u>		<u>Drill</u>	<u>11</u>	<u>16.60</u>	<u>4 1/2</u>	<u>2935</u>	<u>3927</u>	<u>—</u>
		<u>Drill</u>	<u>11</u>	<u>13.30</u>	<u>3 1/2</u>	<u>GL</u>	<u>2935</u>	<u>—</u>

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 4212

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-10-83</u> TIME <u>14:30</u>	DATE <u>7-10-83</u> TIME <u>16:30</u>	DATE <u>7-10-83</u> TIME <u>20:01</u>	DATE <u>7-10-83</u> TIME <u>20:12</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER <u>3/2 DRILL PIN 1 EA. HOWCO</u>		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. BEARDSLEY</u>	<u>31277 OPER.</u>	<u>RENO</u>
<u>C. BABIB</u>	<u>0610 61-C</u>	<u>11</u>
<u>R. RONSHAUSEN</u>	<u>50163 GULF TRUCK</u>	<u>11</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB./GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB SET BALANCE PLUG

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.

CUSTOMER REPRESENTATIVE X Gary L. Anderson

HALLIBURTON OPERATOR Michael J. Beard COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>		<u>COMMON</u>	<u>A</u>	<u>HOWCO</u>	<u>B</u>	<u>2% CAL CHL</u>	<u>1.78</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 15.76

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

09/29/2023

HALLIBURTON SERVICES
JOB LOG

WELL NO. HG-21 LEASE D. E. W. MATHEWY TICKET NO. 578252
 CUSTOMER CONOCO PAGE NO. 1
 JOB TYPE SET BALANCE PLUG DATE 9-10-83

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16:30							ON LOCATION SAFETY MEETING SET UP JOB PLAN
	20:01		5		1		100	Pump H ₂ O Ahead
			15.76		1		400	Mix Cement
			2		1		300	Pump H ₂ O Spacers
			29.5		1		400	Complete Displacement / Mid
	20:12		2.5		1		400	Complete Displacement w/ H ₂ O
					-		0	Release line pressure (NONE)
			20		1			Wash up & back up
	21:00							OFF LOCATION
								THANK YOU,
								Michael J. Beardsley



A DIVISION OF HALLIBURTON COMPANY

REMIT TO
P.O. BOX 84737
DALLAS, TEXAS 75284
DIRECT ANY CORRESPONDENCE TO
P.O. DRAWER 1431
DUNCAN, OKLAHOMA 73536

PAGE 1 OF

2 PAGES

INVOICE
NO. 578721

FORM 1906 R-8

WELL NO. AND FARM #2 (6-21) MATHENY	COUNTY WOOD	STATE WV	DATE 8-1-83
CHARGE TO CONOCO	OWNER SAME	DUNCAN USE ONLY	
ADDRESS 3817 N.W. EXPRESSWAY ONE LAKEVIEW ENERGY CENTER	CONTRACTOR FWA#23	LOCATION 1 RENO	CODE 10950
CITY, STATE, ZIP OKLAHOMA CITY, OK 73112	SHIPPED VIA	LOCATION 2	CODE
	DELIVERED TO	LOCATION 3	CODE
	ORDER NO.	BULK MATERIAL DELIVERY TICKET NO B-271526	
	WELL TYPE GAS OIL		CODE 50
	TYPE AND PURPOSE OF JOB 2 STAGE CEMENT JOB - 5 1/2		

COPY

TERMS: INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

PRICE REFERENCE	SECONDARY REF OR PART NO	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY	MEAS	QTY	MEAS			
000-117				MILEAGE Pump TRUCK	25	mi			210	52	50
001-016				PUMPING CHARGE	590	1/ET.			1,195	1195	00
007-161				2ND STAGE PUMPING CHG.	8	hrs			660 ⁰⁰	660	00

AS PER ATTACHED B TICKET NO. 271526

ATT 55-61-2598-417-D

ORIGINAL INVOICE TO BE BILLED TO CONOCO DIRECT

DATE 8/1/83

CUSTOMER OR HIS AGENT

TAX REFERENCES

C. Keith Marshall
HALLIBURTON OPERATOR

SUB TOTAL

4,757.97
6,665.47

TAX
TAX
TAX

TOTAL

09/29/2023

COPY

09/29/2023

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 578721



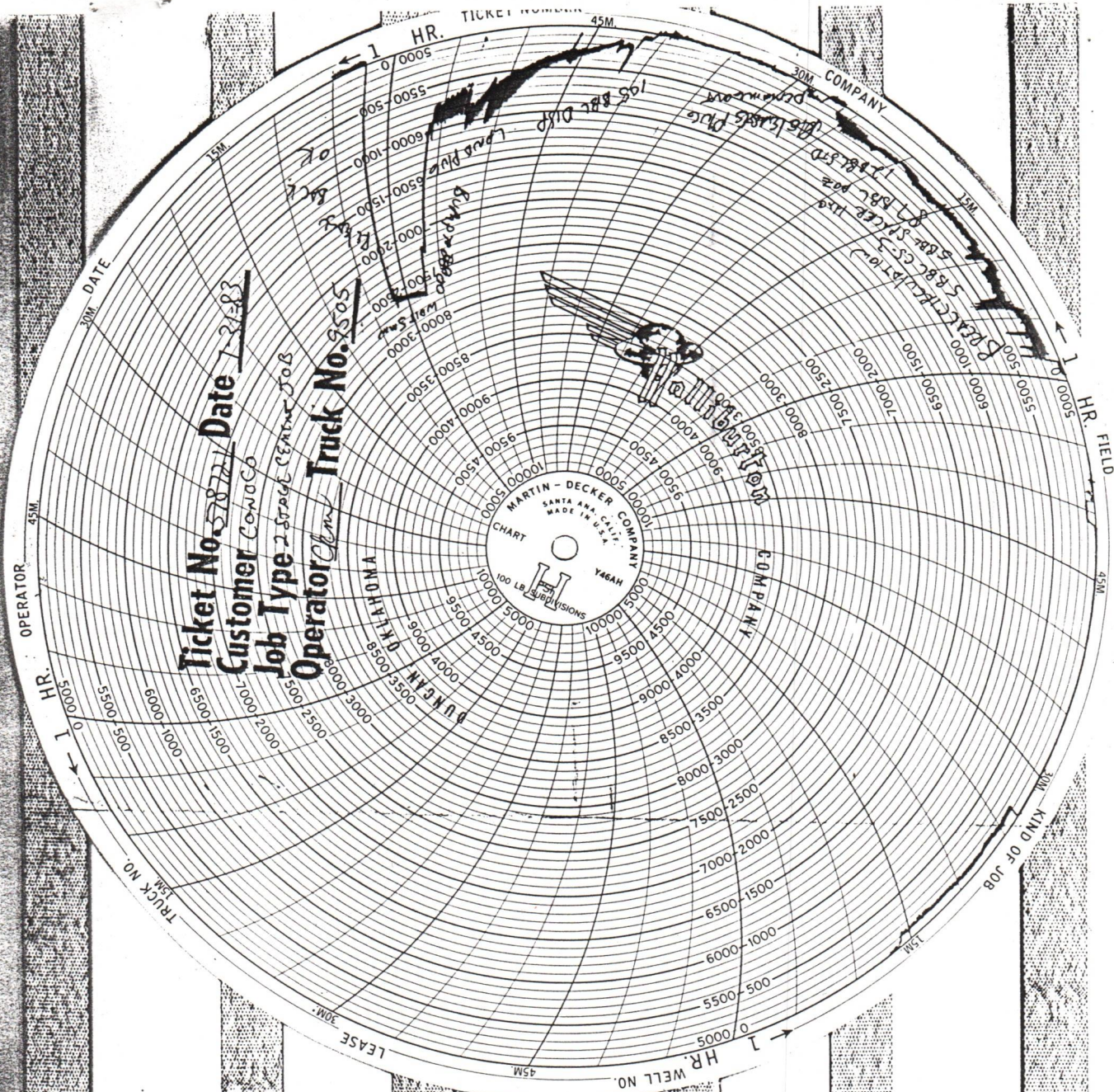
DATE 8-1-83	CUSTOMER ORDER NO.	WELL NO. AND FARM #2 (6-21)	COUNTY Wood	STATE W.U
CHARGE TO CONOCO	OWNER SAME	CONTRACTOR FWA # 23	No. B 271526	
MAILING ADDRESS 3817 N.W EXPRESSWAY	DELIVERED FROM RENO, OHIO	LOCATION CODE 10950	PREPARED BY AMOS	
CITY & STATE OKLAHOMA CITY, OK 73112	DELIVERED TO LOCATION	TRUCK NO.	RECEIVED BY MARSHALL	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY.	MEAS.	QTY.	MEAS.		
			1st Stage 190 cu.ft Poz w/2% G-1 1/4 Flocele						
504-043			Standard Bulk Cement	95	SKS			5.27	548 15
506-105			Pozmix A	95	SKS			2.85	270 75
506-121			Gel blended 2% w/190 cu.ft. Allowed	3	SKS			N/C	N/C
507-210			Flocele blended 1/4 #P/190 cu.ft.	48	lbs			1.21	58 08
504-043			Standard Bulk Cement	70	SKS			5.27	403 90
509-406			CAI Chl blended 1% w/70 cu.ft	2	SKS			26.00	52 00
			2nd Stage 390 cu.ft Poz w/2% G-1 1/4 Flocele						
504-043			Standard Bulk Cement	195	SKS			5.27	1,125 15
506-105			Pozmix A	195	SKS			2.85	555 75
506-121			Gel blended 2% w/390 cu.ft. Allowed	7	SKS			N/C	N/C
509-406			Flocele blended 1/4 #P/390 cu.ft	99	SKS			1.21	119 79
504-043			Standard Bulk Cement	60	SKS			5.27	346 20
509-406			CAI Chl blended 1% w/60 cu.ft	2	SKS			26.00	52 00

	Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES
	SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET
500-207	SERVICE CHARGE			CU. FEET 718
500-306	Mileage Charge	62,183	25	777.29
	TOTAL WEIGHT		LOADED MILES	TON MILES

No. B 271526	CARRY FORWARD TO INVOICE	SUB-TOTAL	4757 97
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09/29/2023



Ticket No. 58727 Date 1-21-83
 Customer CONACO
 Job Type 2 Stage Cement Jobs
 Operator [Signature] Truck No. 9505

MARTIN-DECKER COMPANY
 SANTA ANA, CALIF.
 MADE IN U.S.A.
 CHART
 H
 100 LB. DIVISIONS
 Y46AH



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-3

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

ATTACH TO INVOICE & TICKET NO. **578721**

DISTRICT **RENO, OK**

DATE **7-31-83**

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: **CONACO** (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. **2 (G-21)** LEASE **MATHENY** SEC. _____ TWP. _____ RANGE _____

FIELD **LURCK** COUNTY **WOOD** STATE **WV** OWNED BY **SAME**

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH **5901'** MUD WEIGHT _____

BORE HOLE **7 7/8"**

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	N	17	5.5	KB	5892	3000
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED **2 STAGE CEMENT JOB**

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- (j) Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
- (l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED **Gay L. Anderson** 09/29/2023

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON DIVISION PITTSBURGH, PA

HALLIBURTON LOCATION RENO, OH

BILLED ON TICKET NO. 578721

WELL DATA

FIELD LUBECK SEC. _____ TWP. _____ RNG. _____ COUNTY WOOD STATE WV

FORMATION NAME TUSCARORA TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5901'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	17	5.5	KB	5901	3000
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE	5.5 1	Howco
CENTRALIZERS	5.5 5	Howco
BOTTOM PLUG		
TOP PLUG	5.5 DU PLUGS 1 EA	Howco
HEAD	5.5 P.M. 1 EA	Howco
PACKER	DV COLLAR 1	Howco
OTHER	0.2 Lock Clamps 8	Howco

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-31-83</u>	DATE <u>7-31-83</u>	DATE <u>8-1-83</u>	DATE <u>8-1-83</u>
TIME <u>0800</u>	TIME <u>1230</u>	TIME <u>0035</u>	TIME <u>0957</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
C.K. MARSHALL	PIU 31282	RENO
D. PAUGH	61-C 9505	"
R. RAYBURN	TD 50886	"
M. ANTONETE	TD 50100	"
S. Scheffield	TD 50889	"
A. Simmons	TD 9140	"
L.X. Bales	Eng. Fieldman	"
R. Miller		

DEPARTMENT CEMENT

DESCRIPTION OF JOB 2 STAGE CEMENT JOL

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.

CUSTOMER REPRESENTATIVE X Gary L. Anderson

HALLIBURTON OPERATOR C.K. Marshall COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	190	POE	G	Howco	B	2% GCL 1/4# Floccle	1.26	14.15
1	70	STA	A	Howco	B	1% CAPL	1.18	15.6
2	390	POE	G	Howco	B	2% GCL 1/4# Floccle	1.26	14.15
2	60	STA	A	Howco	B	1% CAPL	1.18	15.6

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING 250 DISPLACEMENT 600 PRESFLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM 2800 LOAD & SKDN: BBL.-GAL. _____ PAD: BBL. 50

AVERAGE 400 FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL. 249

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL. 157.4

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 456.4

ORDERED 6 AVAILABLE 6 USED 6 REMARKS SEE JOB LOG

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 60 REASON LD Baffle

09/29/2023

CUSTOMER CONOCO LEASE Mathway WELL NO. 42 (6-21) JOB TYPE 2 STAGE CEMENT JOL DATE 7-31-83

HALLIBURTON SERVICES
JOB LOG

WELL NO. 2(G-21) LEASE MATHERNY TICKET NO. 578721
 CUSTOMER LOWCO PAGE NO. 1
 JOB TYPE 2 STAGE CEMENT JOB DATE 7-21-83

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
								SPOT TRUCKS
								JOB PLAN & SAFETY MEETING
	0030	6				350		BREAK CIRCULATION
	0035	6				250		Pump 10 BBL H2O
		6				250		Pump 5 BBL CS-3
		6				250		Pump 5 BBL H2O SPACER
		6				350		Pump 42.6 BBL POZ SLURRY
		6				350		Pump 14.7 BBL STD SLURRY
								SHUT DOWN w/o LINES
						600		RELEASE PLUG
		5				400		Pump 143 BBL MUD DISPLACED 124 BBL DWP IN LOST CIRCULATION
						600		LAND PLUG
						1500		Bump TO 1500 PSI wait 5 min
	0157							RELEASE BACK PROP BOMB
		3				200		wait 18 min PRESSURE UP TO 400 PSI DROPPED BACK TO 200 PSI AND BEGAN TO CIRCULATE CIRCULATE 200 BBL SHUT DOWN PROP EVERY hour FOR 15 min

09/29/2023

HALLIBURTON SERVICES
JOB LOG

WELL NO. #2(6-21) LEASE Matheny TICKET NO. 578721
 CUSTOMER CONOCO PAGE NO. 2
 JOB TYPE 2 STAGE Cement JOB DATE 8-1-83

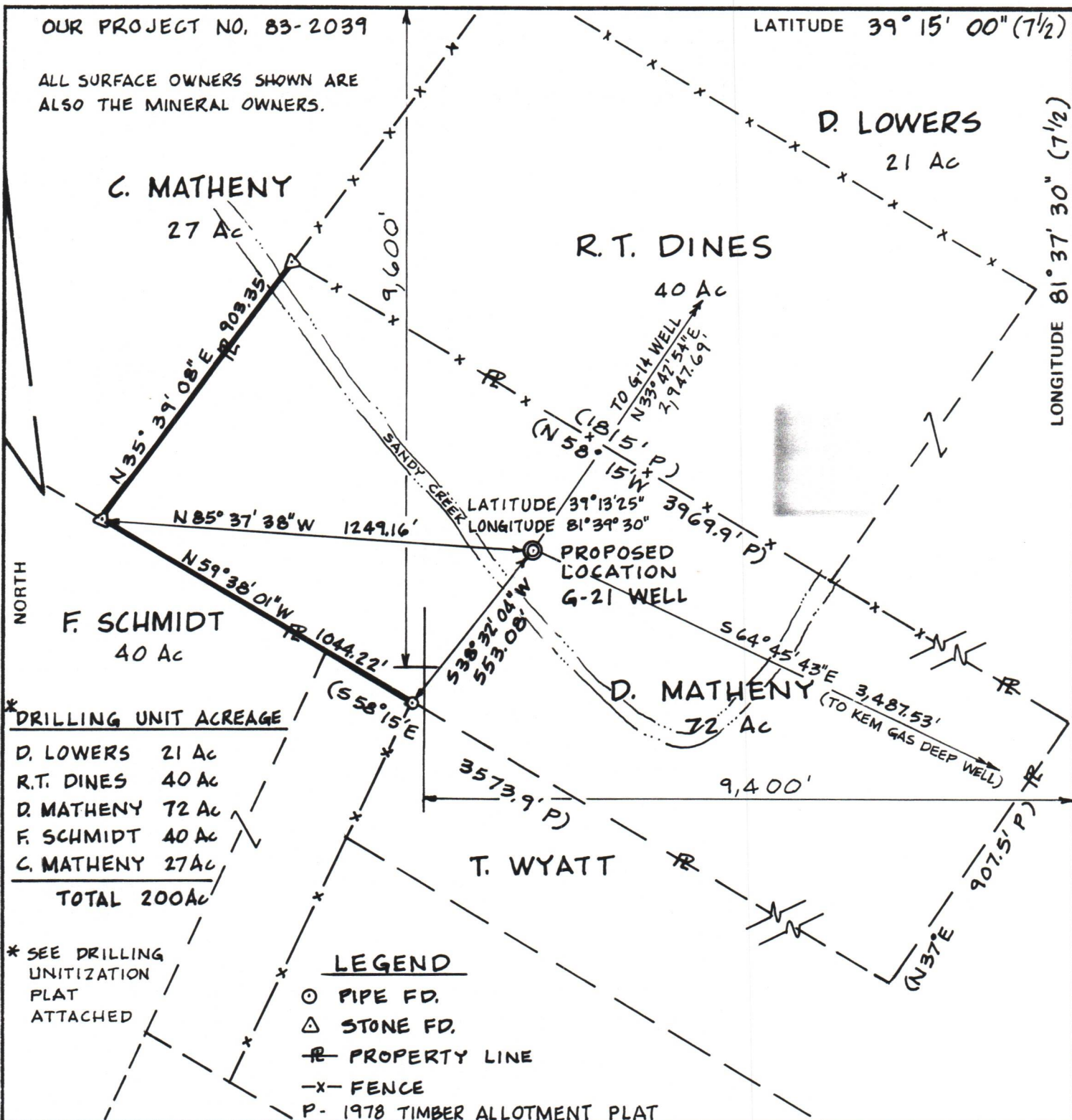
FORM 1013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								2ND STAGE CHART RECORDER WAS REPAIRED JOB PLAN + SAFETY MEETING
	0900	6					250	BREAK CIRCULATION 5 BBL CS-3
		6					250	5 BBL SPACER
							300	87.5 BBL P02
		6					300	12.6 BBL STD
								CUSTOMER DID NOT WANT TO WASH OUT LINES. WANTED CEMENT ON TOP OF PLUG RELEASE PLUG
		3					600	PUMP 7 BBL DEMMING WENT OUT OF TRUCK PUMP 30 BBL MUD AND FINISHED DISPLACEMENT W/ 1120 105 BBL TOTAL
							1000	LAND PLUG
							2800	Bump PLUG
	0958							WAIT 5 MIN RELEASE BACK OK PACK UP

OUR PROJECT NO. 83-2039

LATITUDE 39° 15' 00" (7 1/2)

ALL SURFACE OWNERS SHOWN ARE ALSO THE MINERAL OWNERS.



* DRILLING UNIT ACREAGE

D. LOWERS	21 Ac
R.T. DINES	40 Ac
D. MATHENY	72 Ac
F. SCHMIDT	40 Ac
C. MATHENY	27 Ac
TOTAL	200Ac

* SEE DRILLING UNITIZATION PLAT ATTACHED

- LEGEND**
- PIPE FD.
 - △ STONE FD.
 - R— PROPERTY LINE
 - x- FENCE
 - P- 1978 TIMBER ALLOTMENT PLAT

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:16,000
 PROVEN SOURCE OF ELEVATION TWO U.S.G.S. ROAD INTERSECTION ELEVATIONS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. #550

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 21, 19 83
 OPERATOR'S WELL NO. G-21
 API WELL NO. (DARRELL MATHENY #1)
47 - 107 - 200
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 604.3' WATER SHED SANDY CREEK (A TRIBUTARY OF THE OHIO RIVER)
 DISTRICT LUBECK COUNTY WOOD
 QUADRANGLE LUBECK, W. VA. - OHIO (7.5 MINUTE)
 SURFACE OWNER DARRELL MATHENY ACREAGE 72 Ac OF 200Ac UNIT
 OIL & GAS ROYALTY OWNER SEE ABOVE * LEASE ACREAGE 20 09/29/2023
 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 TUSCARORA ESTIMATED DEPTH 6100'
 WELL OPERATOR E.I. DU PONT DESIGNATED AGENT RALPH E. SIEBER
 ADDRESS P.O. BOX 1217 PARKERSBURG, W.V. 26102 ADDRESS P.O. BOX 1217 PARKERSBURG, W.V. 26102