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BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF W. C. McBRIDE, INC.
FOR PERMISSION TO DISPOSE OF "O" SANDSTONE WATER UNDER-
GROUND IN THE PADRONI WEST FIELD, LOGAN COUNTY, COLORADO,
AND TO CONVERT ITS DUBOIS NO. 4 WELL IN SAID FIELD TO A
WATER DISPOSAL WELL.

NOTICE

You are hereby notified that W. C. McBride, Inc. is this day filing an Application with the Oil and Gas Conservation Commission of the State of Colorado to dispose of "O" Sandstone formation water, which is produced with oil from its DuBois lease, by injecting into the "O" Sandstone in W. C. McBride, Inc.-DuBois Well No. 4, NW NW Section 7-T9N-R52W, Padroni West Field, Logan County, Colorado.

A copy of the said Application, together with a copy of Exhibits "A" and "B" thereof, is attached hereto, and made a part of this Notice, and same contains a full description of the proposed program for which approval is requested.

As required by the rules and regulations of the Oil and Gas Conservation Commission of the State of Colorado (Rule 327), owners of record within one-half ($\frac{1}{2}$) mile of the above described well are hereby notified of this Application, and we trust that this Application meets with your approval.

Dated this 12th day of March, 1974.

W. C. McBRIDE, INC.

By

David Paoli

David Paoli
Production Superintendent
230 Denver Club Building
Denver, Colorado 80202

EXHIBIT "C"

EXHIBIT D

William L. McNear
& Vada C. McNear

Route #2
Sterling, Colorado 80751

Robert A. Shryock

301 Johnson Building
Denver, Colorado 80202

W. W. Ferris

518 Patterson Building
Denver, Colorado 80202

Francis J. Parke
& Rose V. Parke

Route #2
Sterling, Colorado 80751

J. Ray McDermott & Co., Inc.

1401 C & I Building
Houston, Texas 77000

Paul F. Barnhart

1721 Commerce Building
Houston, Texas 77000

Cardinal Petroleum Company

P.O. Box 1077
Billings, Montana 59103

W. E. Dickinson

Route #2
Sterling, Colorado 80751

Arthur E. Sindt
& Inez Sindt

Route #2
Sterling, Colorado 80751

Dr. John E. Elliff

Route #2
Sterling, Colorado 80751

Atlantic Richfield Co.

1500 Security Life Building
Denver, Colorado 80202

Violet G. DuBois

1411 S. 64th Ave.
Omaha, Nebraska 68100

Cecilia DuBois

1506 N. Jackson
Lexington, Nebraska 68850

Kathryn M. Perkins

1506 N. Jackson
Lexington, Nebraska 68850

RECEIVED

MAR 13 1974

COLORADO OIL & GAS CONSERVATION COMMISSION

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF W.C. McBRIDE, INC.)	CAUSE NO. _____
FOR PERMISSION TO DISPOSE OF "O" SANDSTONE WATER UNDERGROUND)	
IN THE PADRONI WEST FIELD, LOGAN COUNTY, COLORADO, AND TO CONVERT)	FILE NO. _____
<u>ITS DUBOIS NO. 4 WELL IN SAID FIELD TO A WATER DISPOSAL WELL.</u>)	

APPLICATION

Applicant, W. C. McBride, Inc. respectfully shows to the Oil and Gas Conservation Commission of the State of Colorado as follows:

1. Applicant is a Delaware corporation duly authorized to transact business in the State of Colorado.
2. Applicant is the owner of a valid and subsisting oil and gas lease covering certain lands in the Padroni West Field, Logan County, Colorado, which lands are delineated on Exhibit "A" attached hereto and made a part hereof. Applicant desires and proposes to dispose of "O" sandstone formation water produced with oil from wells in said Field by returning said water into the "O" sandstone formation underlying said lands.
3. The proposed disposal well is applicant's DuBois No. 4 located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 7, Township 9 North, Range 52 West, Logan County, Colorado. DuBois No. 4 is depleted in the "O" sandstone and was shut-in in March, 1963 and retained for possible future use as a water disposal well.
4. The locations of the proposed water disposal well and all oil and gas wells including abandoned and drilling wells and dry holes, within the area involved, are shown and designated on Exhibit "A".
5. The wells in the area involved are producing oil from the "O" sandstone formation the top of which occurs in the DuBois No. 4 at a depth of 5010 feet from the surface.
6. The water to be disposed of is "O" sandstone water which is produced with oil from the two remaining oil wells on the DuBois Lease. Such wells are currently producing a total of approximately 700 barrels of water per day, which is presently being placed in surface evaporation ponds. In order to prevent waste and to obtain maximum benefits from subsurface disposal of produced water, Applicant proposes to dispose of part or all of said water through the existing frac-notch in DuBois No. 4. The amount of water to be injected will be less than, or equal to, that produced from the remaining wells on the lease. Applicant believes that the return

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OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF W. C. McBRIDE, INC.
FOR PERMISSION TO DISPOSE OF "O" SANDSTONE WATER UNDER-
GROUND IN THE PADPONT WEST FIELD, LOGAN COUNTY, COLORADO,
AND TO CONVERT ITS DUBOIS NO. 4 WELL IN SAID FIELD TO A
WATER DISPOSAL WELL.

NOTICE

You are hereby notified that W. C. McBride, Inc. is this day filing an Application with the Oil and Gas Conservation Commission of the State of Colorado to dispose of "O" Sandstone formation water, which is produced with oil from its DuBois lease, by injecting into the "J" Sandstone in W. C. McBride, Inc.-DuBois Well No. 4, NW NW Section 7-T9N-R52W, Padroni West Field, Logan County, Colorado.

A copy of the said Application, together with a copy of Exhibits "A" and "B" thereof, is attached hereto, and made a part of this Notice, and same contains a full description of the proposed program for which approval is requested.

As required by the rules and regulations of the Oil and Gas Conservation Commission of the State of Colorado (Rule 327), owners of record within one-half ($\frac{1}{2}$) mile of the above described well are hereby notified of this Application, and we trust that this Application meets with your approval.

Dated this 4th day of April, 1974.

W. C. McBRIDE, INC.

By David Paoli
Production Superintendent
230 Denver Club Building
Denver, Colorado 80202

EXHIBIT "C"

RECEIVED

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COLORADO OIL & GAS CONSERVATION COMMISSION

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF W.C. McBRIDE, INC. FOR)
PERMISSION TO DISPOSE OF "O" SANDSTONE WATER UNDERGROUND IN)
THE PADRONI WEST FIELD, LOGAN COUNTY, COLORADO, AND TO CONVERT)
ITS DUBOIS NO. 4 WELL IN SAID FIELD TO A WATER DISPOSAL WELL.)

CAUSE NO. _____

FILE NO. _____

APPLICATION

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1. Applicant is a Delaware corporation duly authorized to transact business in the State of Colorado.
2. Applicant is the owner of a valid and subsisting oil and gas lease covering certain lands in the Padroni West Field, Logan County, Colorado, which lands are delineated on Exhibit "A" attached hereto and made a part hereof. Applicant desires and proposes to dispose of "O" sandstone formation water produced with oil from wells in said Field by injecting said water into the "J" sandstone formation underlying said lands.
3. The proposed disposal well is applicant's DuBois No. 4 located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 7, Township 9 North, Range 52 West, Logan County, Colorado. DuBois No. 4 is depleted in the "O" sandstone and was shut-in during March, 1963 and retained for possible future use as a water disposal well.
4. The locations of the proposed water disposal well and all oil and gas wells including abandoned and drilling wells and dry holes, within the area involved, are shown and designated on Exhibit "A".
5. The wells in the area involved are producing oil from the "O" sandstone formation the top of which occurs in the DuBois No. 4 at a depth of 5010 feet from the surface.
6. The water to be disposed of is "O" sandstone water which is produced with oil from the two remaining oil wells on the DuBois Lease. Such wells are currently producing a total of approximately 700 barrels of water per day, which is presently being placed in surface evaporation ponds. In order to prevent waste and to obtain maximum benefits from subsurface disposal of produced water, Applicant proposes to dispose of part or all of said water through perforations at depths from 4793 to 4813 feet in the "J" Sandstone in DuBois Well No. 4. The wells that were formerly completed in the "J" Sandstone reservoir in the Padroni West Field were abandoned in that formation after depletion of the oil. It is expected that such water disposal can be accomplished under gravity pressure.

of produced water into the "O" sandstone may conserve reservoir energy and, therefore, may result in greater ultimate recovery of oil from the reservoir.

7. The log of the proposed disposal well, which is attached hereto as Exhibit "B" and made a part hereof, contains a description of the casing in the well and the cementing thereof and also indicates the proposed disposal interval. Applicant proposes to pressure test the casing to ensure that there is no possible casing leak opposite shallow fresh water resources.

8. Simultaneous with the filing of this Application, a Notice, in the form attached hereto as Exhibit "C" to which was attached a copy of this Application, including Exhibits "A" and "B" was mailed to all owners of record within one-half ($\frac{1}{2}$) of a mile of the applicants well proposed for water disposal by certified mail, postage prepaid, addressed to such owners as shown on the list attached hereto as Exhibit "D".

9. Applicant, W. C. McBride, Inc., whose address is 230 Denver Club Building, Denver, Colorado 80202, will be the sole operator of the proposed water disposal program. Neighboring producing oil leases are operated by the Atlantic Richfield Company, who have their own water disposal system.

WHEREFORE, applicant requests: that this application be docketed and if no objection hereto is received within fifteen (15) days from the filing hereof, that the Commission issue an order granting the authority herein requested; that if any objection is filed or if for any other reason the Commission desires a hearing hereon, then it is requested that due notice be given to all interested parties as provided by law, and that upon hearing, applicant be granted an order authorizing the disposal of water into DuBois Well No. 4 as herein described.

Respectfully submitted,

W. C. McBRIDE, INC.

By

David Paoli

David Paoli
Production Superintendent
230 Denver Club Building
Denver, Colorado 80202

STATE OF COLORADO)
) SS
CITY AND COUNTY OF DENVER)

David Paoli, being first duly sworn, upon oath states that he is the District Production Superintendent of the applicant's Denver District, that he has read the foregoing application and that the statements therein contained are true to the best of his knowledge and belief, and that he is an agent of said W. C. McBride, Inc. and duly authorized to make this application for said W. C. McBride, Inc.

David Paoli
David Paoli

Subscribed and sworn to before me this 12th day of March, 1974.

Pamela K. Mantelli
Notary Public

My Commission Expires:
My Commission expires October 30, 1977

AFFIDAVIT OF MAILING

David Paoli, of lawful age, being first duly sworn, upon oath states that on the 12th day of March, 1974, he mailed a copy of the foregoing Application together with a copy of Exhibits "A" and "B" attached to the Notice shown as Exhibit "C", to all owners of record within one-half ($\frac{1}{2}$) of a mile of McBride-DuBois Well No. 4 by certified mail, postage prepaid, and addressed to each such owner as shown on the list attached as Exhibit "D".

David Paoli

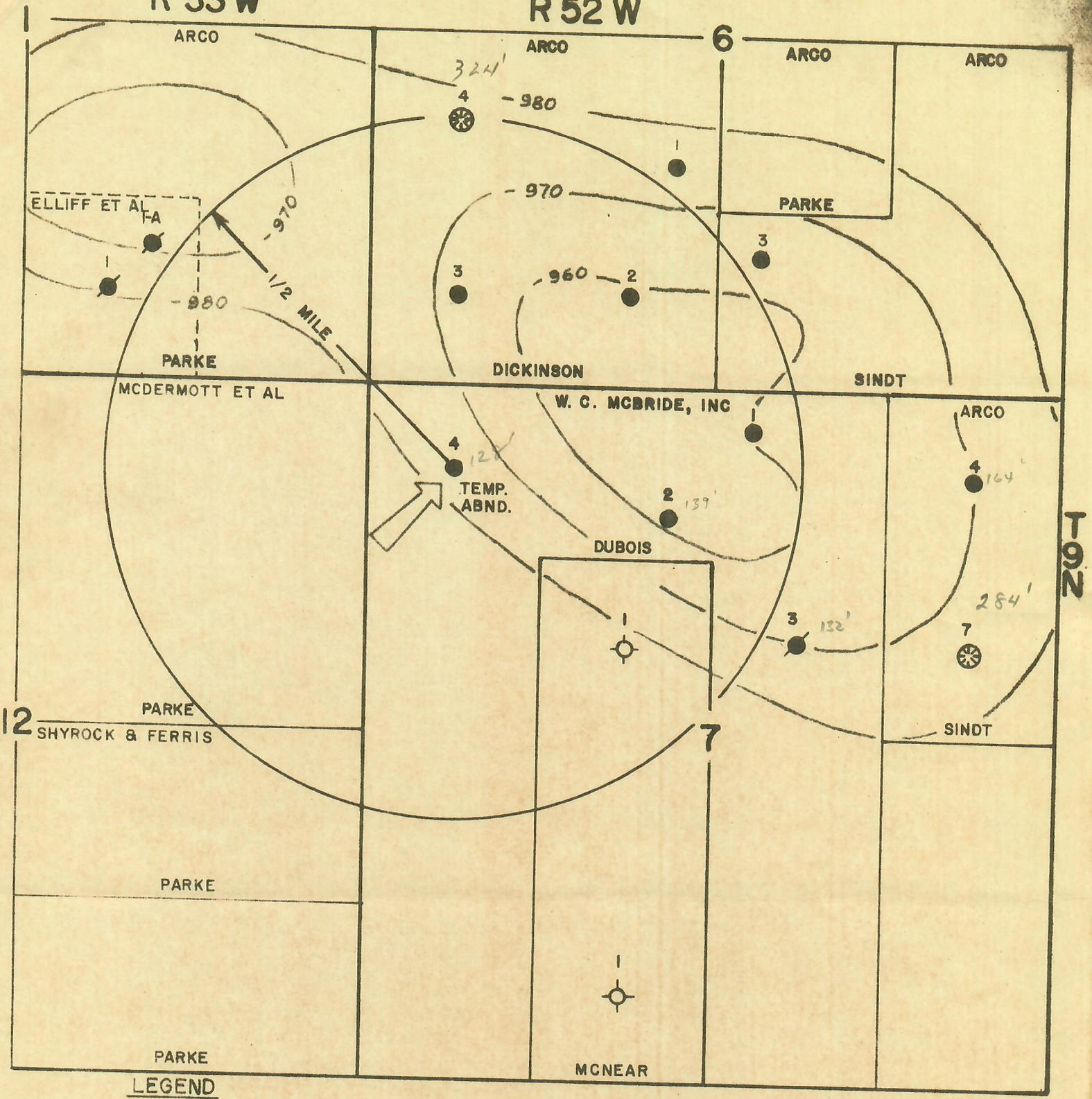
Subscribed and sworn to before me this 12th day of March, 1974.

Pamela K. Mantelli
Notary Public

My Commission Expires:
My Commission expires October 30, 1977

R 53 W

R 52 W



LEGEND

-  DRY AND ABANDONED
-  "O" SAND OIL WELL
-  ABANDONED "O" SAND WELL
-  PRODUCED WATER DISPOSAL WELL

PORTION WEST PADRONI FIELD

T. 9N-R. 52 & 53 W
 LOGAN COUNTY, COLORADO
 SCALE 1" = 1000'

CONTOURED ON "O" SAND

LANE WELLS INDUCTION

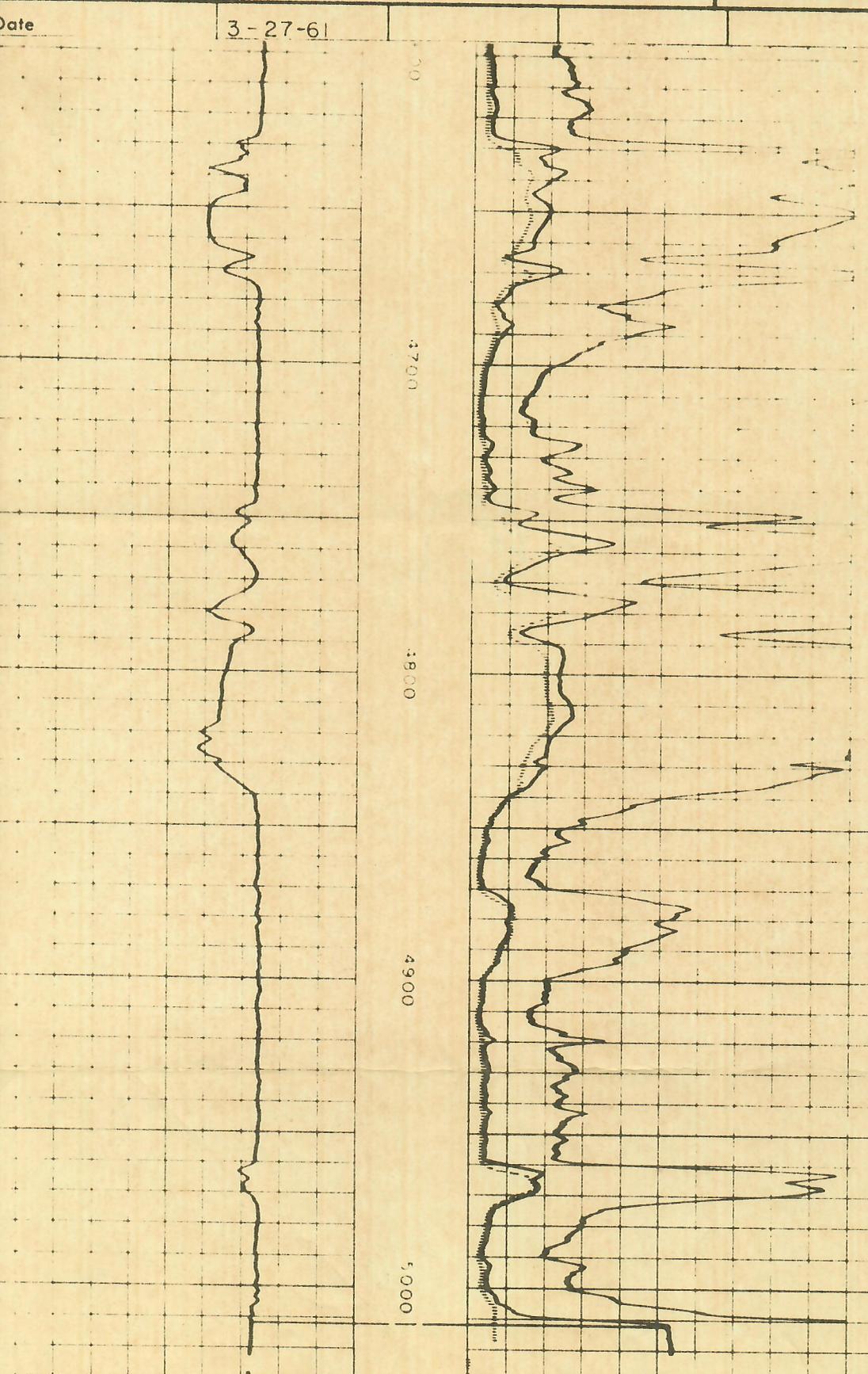


Electrolog

A DIVISION OF DRESSER INDUSTRIES, INC.

FILE NO.	COMPANY	W. C. McBRIDE, INC.	
	WELL	DUBOIS NO. 4	
	FIELD	W. PADRONI	
	COUNTY	LOGAN	STATE COLORADO
LOCATION:		Other Services	
C NW NW		ML	
SEC 7	TWP 9N	RGE 52W	

Permanent Datum	Ground Level	Elev. 4027'	KB	Elevations:
Log Measured from	K.B. or	8 Ft. Above Permanent Datum	DF	4035
Drilling Measured from	K.B.		GL	4027'



T.D. 5018'
 Top "D" Sand 4628'
 Top "J" Sand 4747'
 Top "O" Sand 5010'
 Csg. 8-5/8" OD, 24#/ft.
 cmt. @ 128' w/
 100 sacks.
 5 1/2" OD, 14#/ft.
 cmt. @ 5017' w/
 125 sacks & 4% Gel.
 Present Perforations:
 Triple Frac-Notch
 @ 5014'.
 Well was Hydraulically
 fractured at
 Completion with
 3000 gal "O" Sd Crude
 & 3000# 20-40 sand.
 Completion Test was
 28 BOPD
 203 BWPD

EXHIBIT "B"

LANE-WELLS FIRST READING 5012'
 LANE-WELLS TOTAL DEPTH 5013'