

**CASE 4007: Application of PAUL  
DECLEVA FOR A DUAL COMPLETION &  
SALT WATER DISPOSAL, LEA COUNTY.**

---

- dse Number

4007

Application

Transcripts.

Small Exhibits

ETC.

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SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS  
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BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

December 27, 1968

EXAMINER HEARING

-----  
IN THE MATTER OF: )  
)  
)

Application of Paul DeCleva )  
for a dual completion and )  
salt water disposal, Lea )  
County, New Mexico. )  
-----

Case No. 4007

BEFORE: Daniel S. Nutter,  
Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: Case 4007.

MR. HATCH: Case 4007, Application of Paul DeCleva  
for a dual completion and salt water disposal, Lea County,  
New Mexico.

MR. COOTER: Paul Cooter of Atwood & Malone of  
Roswell, appearing for the applicant, Paul DeCleva. We have  
one witness, William G. McCoy.

(Witness sworn.)

(Whereupon, Applicant's Exhibits  
Numbers 1, 2, 3, 4, inclusive,  
were marked for identification.)

WILLIAM G. MCCOY

called as a witness by the Applicant, having been first duly  
sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. COOTER:

Q Would you state your name for the record, please?

A William G. McCoy.

Q Mr. McCoy, you are a graduate Petroleum Engineer from  
Texas A&M?

A Geological Engineer.

Q Have you previously testified before the New Mexico  
Oil Conservation Commission?

A I have.

Q And made your qualifications a matter of record?

A I have.

MR. COOTER: Are they acceptable to you, Mr. Examiner?

MR. NUTTER: Yes, they are. Please proceed.

Q What is your business relationship with Mr. DeCleva, the applicant?

A I am a Consulting Engineer on his 3 current wells in New Mexico.

Q What does the applicant seek by his application in this case, on his Bagley State Well No. 1?

A Mr. DeCleva seeks to dispose of his produced water from the Bagley Pennsylvanian Field, down the annular space between eight and five-eighths-inch casing, and four and a half-inch production casing.

Q Would you please identify the exhibit which has been marked as Exhibit 1?

A Exhibit 1 is a map indicating the various producing formations within a two-mile radius of Mr. DeCleva's well, located in the northwest quarter of the northwest quarter, Section 34, Township 11 South, Range 33 East.

Q From what formations are these wells producing?

A In the immediate vicinity, Mr. DeCleva's well, those wells circled in purple are producing in what is classified as

the Bagley Pennsylvanian Field.

Moving to the northwest, we have production from the Bagley Upper Pennsylvanian circled in brown, and the Bagley Lower Pennsylvanian circled in red.

To the northeast, we have 3 wells producing from the Bagley Wolfcamp North. On the far eastern side, 2 wells producing from the Bough C Formation.

In the Bagley Field, itself, those wells circled in yellow are producing from the Devonian Formation.

On the northwest side of the Bagley Field, we have a gas well circled in green. Those with the line pointing down produce from the Lower Pennsylvanian, and those with the line pointing up produce from the Upper Pennsylvanian Formation.

Q Have all the offset operators been notified of this application?

A They have.

Q Should the application be approved, the salt water would be disposed of into what formation?

A The eight and five-eighths-inch casing in the proposed well is set at--

Q Let me interrupt you right there. Would you please identify what has been marked as Exhibit 2?

A Exhibit 2 is a diagrammatic sketch of the current

installation in the No. 1 Bagley State. Starting at the surface, we have twelve and three-quarter-inch casing set at 379, cemented with 325 sacks of regular cement circulated to the surface. This effectively protects the shallow water bearing horizons.

The next string of casing is eight and five-eighths, set at 3799 feet, cemented with 350 sacks, and the estimated top by calculation of this cement behind the eight and five-eighths is 2,024 feet.

Production casing consisted of a design string of four and a half-inch casing set at 10,070 feet, and cemented with 350 sacks of cement. The estimated top of the cement on the production casing is 7358 feet.

Q Then let me ask the question I asked a minute ago. The salt water to be disposed of would be, if this application were granted, would be into what formations?

A The formations covered by the interval 3799 feet, the bottom of the eight and five-eighths-inch casing and 7358, the top of the cement behind the four and a half-inch casing are as follows: the San Andres, the Glorieta, the Yeso, and the Tubb Formation. The exact interval cannot be determined, but it is our opinion that this water will be going into the Lower San Andres Formation.

Q Are any of the wells which are shown on your Exhibit 1 producing from these formations?

A They are not.

Q Has the applicant, Mr. DeCleva, filed his form C-104, Request for Allowables?

A Yes.

Q With the Oil Conservation Commission?

A Yes.

Q And has he also filed his form C-105, the Well Completion Report for this well?

A He has.

Q Again referring you to Exhibit 2, the casing which you outlined, is that new casing?

A That is new casing.

Q What is the collapsed pressure at the surface?

A The estimated collapsed pressure at the surface of that casing which is covered in the disposal zone, is estimated to be 1750 pounds.

Q This would be disposal into the open hole? There would be no perforated casing?

A That's correct.

Q A minute ago you testified as to what formations you thought would take the water. What is the basis for your



opinion in that regard?

A It is based on the fact that the Lower San Andres or Slaughter Zone is the first porous horizon below the top of the San Andres, or below the casing shoe on the eight and five-eighths casing.

Q Is there other salt water disposal in this area?

A Mr. DeCleva checked with Amerado Petroleum Corporation on the advisability of joining their system, and his discussion with me indicated that they would charge \$12,000 to connect his well.

Q Was that economically feasible for the applicant in this case?

A In our opinion, it was not, since we feel we can establish this annular injection for approximately a cost of \$3,000.

Q What amount of salt water is estimated to be disposed of if application should be approved?

A Approximately 200 barrels per day.

Q Will you please identify the exhibit which has been marked as number 3?

A Exhibit 3 is a bore hole compensated sonic log and gamma ray log on the Paul DeCleva No. 1 Bagley State.

Q What information is marked on it?

A I have indicated on this log the top of the San Andres Formation at 3735; the base of the eight and five-eighths casing at 3799. The log was incorrect in this instance; it shows 3795.

The top of the Glorieta Formation is at 5120; the top of the Tubb Formation is at 6483; the top of the cement end of the four and a half-inch casing at 7358 feet; and the top of the pay at 9821 feet.

Q Will you please identify Exhibit 4?

A Exhibit 4 is a water analysis prepared for Mr. DeCleva by Halliburton Laboratories, showing the characteristics of the produced salt water.

MR. COOTER: We will offer Exhibits 1 through 4, Mr. Examiner.

MR. NUTTER: Paul DeCleva's Exhibits 1 through 4 will be admitted in evidence.

(Whereupon, Applicant's Exhibits Numbers 1, 2, 3, 4, inclusive, were admitted in evidence.)

Q Would the water be treated prior to injection?

A It would.

Q And what is the proposed treatment?

A According to the analysis we have on Exhibit 4, Rusco Chemical Company of Midland advised an additive of their

W-282, which is a water soluble corrosion inhibitor to be added to the water at the rate of one quart per 240 barrels.

They also advised that in their analysis they did not feel we had scale problems. However, it is our opinion that on our first coupon test, that we will check the scale, and if necessary add a scale inhibitor to the injected water.

Q Do you propose to run a coupon survey periodically?

A Yes, we do.

MR. COOTER: That concludes our questions, Mr.

Examiner.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. McCoy, where are the leases that Mr. DeCleva operates which will be furnishing water from this disposal well?

A Well, in this case, the only well which will be disposing of water will be his No. 1 Bagley State, which is the lease in the northwest quarter of the northwest quarter of Section 34, a 40-acre lease.

Q So this Exhibit No. 1 is actually erroneous, then, in showing that to be a 120-acre lease?

A Well, that's correct.

Q He only operates the one well there?

A Right.

Q And he will be producing water from the lower zone here and making approximately 200 barrels, and then disposing of it down the annulus?

A That's right.

MR. NUTTER: Are there any further questions of the witness? You may be excused. Do you have anything further, Mr. Cooter?

MR. COOTER: Nothing further.

MR. NUTTER: Does anyone have anything they wish to offer in Case 4007? We will take the case under advisement and call Case 4008.

I N D E X

<u>WITNESS</u>	
WILLIAM G. McCOY	
Direct Examination by Mr. Cooter	2
Cross Examination by Mr. Nutter	9

PAGEEXHIBITS

Applicant's Exhibits  
Numbers 1 through 4

MARKED

2

OFFERED AND  
ADMITTED

8

STATE OF NEW MEXICO     )  
                                   )     ss.  
 COUNTY OF BERNALILLO    )

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

*Samuel Mortelette*  
 COURT REPORTER

I do hereby certify that the foregoing is  
 a correct record of the proceedings in  
 the case of *4007*  
 heard by me on *12/27* 19*68*

*Samuel Mortelette*, Examiner  
 New Mexico Oil Conservation Commission

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission



LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

P. O. BOX 2068  
SANTA FE

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

December 31, 1968

Mr. Paul Cooter  
Atwood & Malone  
Attorneys at Law  
Post Office Box 700  
Roswell, New Mexico 88201

Re: Case No. 4007  
Order No. R-3646  
Applicant:  
PAUL DeCLEVA

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC X

Artesia OCC       

Aztec OCC       

Other State Engineer Office

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 4007  
Order No. R-3646

APPLICATION OF PAUL DeCLEVA  
FOR A DUAL COMPLETION AND SALT  
WATER DISPOSAL, LEA COUNTY, NEW  
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 27, 1968, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 31st day of December, 1968, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Paul DeCleva, seeks authority to complete his Bagley State Well No. 1, located in the NW/4 NW/4 of Section 34, Township 11 South, Range 33 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Bagley-Pennsylvanian Pool through 2 7/8-inch tubing and to dispose of produced salt water down the annulus between the 8 5/8-inch intermediate casing string and the 4 1/2-inch production casing string into the San Andres, Glorieta, Yeso, and Tubb formations, with injection into the open-hole interval between the 8 5/8-inch casing shoe at 3799 feet and the top of the cement at 7356 feet.

(3) That the produced salt water should be continuously treated prior to injection to prevent casing corrosion and coupon corrosion tests should be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission.



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CASE No. 4007  
Order No. R-3646

(4) That approval of the dual completion and salt water disposal set out above will prevent the drilling of unnecessary wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Paul DeCleva, is hereby authorized to complete his Bagley State Well No. 1, located in the NW/4 NW/4 of Section 34, Township 11 South, Range 33 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Bagley-Pennsylvanian Pool through 2 7/8-inch tubing and to dispose of produced salt water down the annulus between the 8 5/8-inch intermediate casing string and the 4 1/2-inch production casing string into the San Andres, Glorieta, Yeso, and Tubb formations, with injection into the open-hole interval between the 8 5/8-inch casing shoe at 3799 feet and the top of the cement at 7358 feet;

PROVIDED HOWEVER, that the produced salt water shall be continuously treated prior to injection to prevent casing corrosion and that coupon corrosion tests shall be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission;

PROVIDED FURTHER, that the applicant shall submit monthly reports of his disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

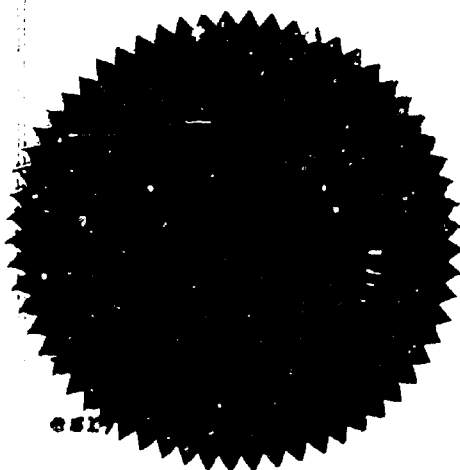
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

CLYTON B. HAYS, Member

A. L. PORTER, Jr., Member & Secretary



DUTY: EXAMINER HEARING - FRIDAY - DECEMBER 27, 1968

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,  
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Daniel J. Nutter, Examiner, or  
Elvis A. Utz, Alternate Examiner:

CASE 4005: Application of Petroleum Corporation of Texas for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Pennsylvanian formation in the perforated interval from 9783 to 9946 feet in the State WTB Well No. 1 located in Unit D of Section 31, Township 12 South, Range 34 East, East Hightower-Upper Pennsylvanian Pool, Lea County, New Mexico.

CASE 4006: Application of Petroleum Corporation of Texas for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the San Andres formation through its Paton Federal Well No. 2 located in Unit N of Section 6, Township 18 South, Range 27 East, Red Lake Pool, Eddy County, New Mexico.

CASE 4007: Application of Paul Barleva for a dual completion and salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete his Bagley State Well No. 1 located in the NW/4 NW/4 of Section 34, Township 11 South, Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from the Bagley-Pennsylvanian Pool and to dispose of produced salt water down the annulus between the production casing and the intermediate casing into the San Andres, Garieta, and possibly other formations in the interval from approximately 6794 feet to 7358 feet.

CASE 4008: Application of Paul Barleva for a dual completion and salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete his Shell State Well No. 1 located in the NW/4 NE/4 of Section 19, Township 11 South, Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from the Lower Permian-Pennsylvanian Pool and to dispose of produced salt water down the annulus between the production casing and the intermediate casing into the San Andres, Garieta, and possibly other formations in the interval from approximately 6774 feet to 7360 feet.

- CASE 4009: Application of Humble Oil & Refining Company for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from approximately 4273 feet to 4329 feet in its New Mexico "BX" State Well No. 3 located in Unit G of Section 16, Township 8 South, Range 33 East, Chaverco-San Andres Pool, Chaves County, New Mexico.
- CASE 4010: Application of John H. Trigg for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formations through his Empire "J" Federal Well No. 1 located in Unit P of Section 1, Township 18 South, Range 26 East, Red Lake Grayburg-San Andres Pool, Eddy County, New Mexico.
- CASE 4011: Application of Sam D. Ares for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formation in the open-hole interval from approximately 3520 feet to 3639 feet in his Charles Whitten Well No. 5 located in Unit B of Section 4, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico.
- CASE 4012: Application of Sam D. Ares for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3602 to authorize the disposal of produced salt water into the Yates-Seven Rivers formations in the open-hole interval from approximately 3363 feet to 3650 feet in his Everett Well No. 4, located in Unit M, Section 35, Township 24 South, Range 36 East, Jalmat Pool, Lea County, New Mexico. The subject disposal well would be in lieu of the Everett Well No. 2, previously authorized for disposal by Order No. R-3602.
- CASE 4013: Application of Redfern Development Corporation and Wil-Mc Oil Corporation for salt water disposal, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to dispose of produced salt water into the San Andres formation in the interval from approximately 4200 feet to 4300 feet in the Wil-Mc State Well No. 1-K, located in Unit G of Section 11, Township 10 South, Range 32 East, Mescalero-San Andres Pool, Lea County, New Mexico.

CASE 4014: Application of Ralph Lowe for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Lower Devonian formation in the perforated interval from approximately 12,350 feet to 12,455 feet in his "C" Devonian Unit Well No. 1 located in Unit O of Section 16, Township 10 South, Range 36 East, South Crossroads-Devonian Pool, Lea County, New Mexico.

CASE 3991: (Continued and Readvertised)

Application of Roger C. Hanks, Ltd., for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the lower Devonian formation in the open-hole interval from approximately 10,804 feet to 10,885 feet in its Monterey State Well No. 1 located in Unit A of Section 11, Township 10 South, Range 32 East, Mescalero Field, Lea County, New Mexico.

CASE 4015: Application of Wilson Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formations, Wilson Yates-Seven Rivers Pool, Lea County, New Mexico, through the following six wells:

TOWNSHIP 21 SOUTH, RANGE 34 EAST

Wilson State Well No. 9 located in Unit F of Section 13;

Shell State Well No. 13 located in Unit H of Section 13;

Wilson State Well No. 8 located in Unit O of Section 13;

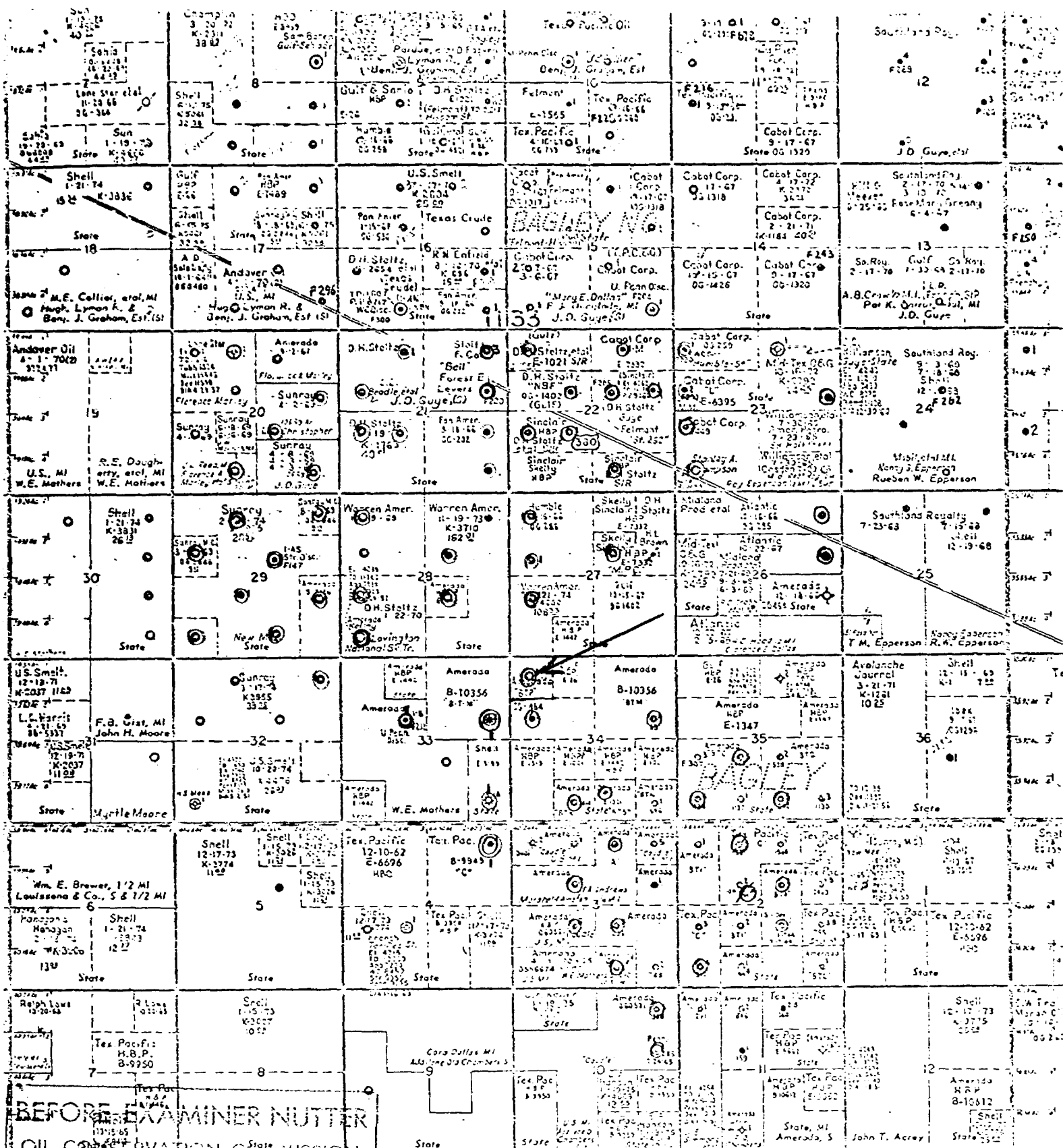
Wilson State Well No. 20 located in Unit B of Section 23;

Wilson State Well No. 21 located in Unit J of Section 23;

TOWNSHIP 21 SOUTH, RANGE 35 EAST

Wilson State Well No. 1-A located in Unit G of Section 7;

Applicant further seeks an administrative procedure whereby other wells in said pool may be approved for disposal purposes without the requirement of notice and hearing.



BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
App. EXHIBIT NO. 1  
CASE NO. 4007

PAUL DECLEVA BAGLEY-STATE  
CASE NO. 4007

- ☐ Bough 'C'
- ☐ Bagley-Pennsylvanian
- ☐ Bagley-Upper Penn. Gas
- ☐ Bagley-Wolfcamp North
- ☐ Bagley-Lower Penn. North
- ☐ Bagley-Devonian
- ☐ Bagley Upper Penn North
- ☐ Bagley Lower Penn Gas
- ☐ Undesignated (No color)

DIAGRAMMATIC SKETCH

PAUL DeCLEVA NO.1 BAGLEY-STATE

Water Injection

Surface

*Collapsing  
of 4 1/2" casing  
1750 ft*

BEFORE EXAMINER NUTTER	
OIL CONSERVATION COMMISSION	
EXHIBIT NO.	2
CASE NO.	4007

Estimate top of 8-5/8" Cement @ 2024'

12-3/4"-X-42-34# Casing @ 379'  
Cemented with 325 sx.Reg.+2% CaCl  
Cement circulated to surface.

*will treat with  
adhesive to decrease  
corrosion - scale should  
not be present but will test  
and treat for same*

8-5/8"-J-55 Casing: Top 2236' 24#  
Set @ 3799' Btm 1563' 32#  
Cemented w/ 150 sx.Incor-Poz  
200 sx.Reg.+2% gel&CaCl

Disposal Zone 3799' to 7358'

Casing over Disposal Zone  
4-1/2"-N-80-11.6#  
API Collapse Resistance  
5930#-No Safety Factor

Top Cement @ 7358' Estimated

2-7/8" Tubing

Perforations 9821'to 9830'

Baker Tubing Hold-Down @ 9880'

Perforations 9884'to 9888'

Perforations 9991'to 9998'

Total Depth 10,070'

4-1/2"-N-80 Casing  
Top 32.25-13.5#  
9695.77-11.6#  
528.77-13.5#

Cemented w/ 150sx.Incor-Poz+2% gel  
200sx.Reg.+2% CaCl.

*formation open  
SA  
Gel  
4 1/2"  
1750 ft  
will not produce  
into same zone*

*if necessary*

**HALLIBURTON DIVISION LABORATORY**  
**HALLIBURTON COMPANY**  
**MIDLAND DIVISION**

**LABORATORY WATER ANALYSIS** No. W1-481-68

To Bill McCoyDate 12-5-68Roswell, New Mexico

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by \_\_\_\_\_ Date Rec. 12-4-68Well No. Bagley State #1 Depth \_\_\_\_\_ Formation Bough CCounty Lea Field \_\_\_\_\_ Source Tank Battery

Resistivity	<u>.168 @ 73 F.</u>	
Specific Gravity	<u>1.028</u>	
pH	<u>6.5</u>	
Calcium (Ca)	<u>250</u>	*MPL
Magnesium (Mg)	<u>180</u>	
Chlorides (Cl)	<u>25,000</u>	
Sulfates (SO <sub>4</sub> )	<u>460</u>	
Bicarbonates (HCO <sub>3</sub> )	<u>195</u>	
Soluble Iron (Fe)	<u>Trace</u>	

Remarks:

BEFORE EXAMINER INITIALS

OIL CONSERVATION DIVISION

EXHIBIT NO. 4CASE NO. 4007

\*Milligrams per liter

Respectfully submitted,

Analyst: Whitfield

HALLIBURTON COMPANY

cc:

By



DIVISION CHEMIST

**NOTICE**

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or omission, resulting from such report or its use.



WILLIAM G. MCCOY  
CONSULTING ENGINEER AND GEOLOGIST  
P. O. BOX 1352 • ROSWELL, NEW MEXICO 88201 • PHONE 505-622-5012

MESSAGE

TO NEW MEXICO OIL CONSERVATION COMM.  
P.O. BOX 2088  
SANTA FE, NEW MEXICO 87501  
DATE December 16, 1968

Gentlemen:

Enclosed is a copy of the log on the Paul DeCleva  
No.1 Shell State 1B-19-11-34. This is Exhibit B  
for Case hearing set for December 27, 1968. The  
log is marked as to important data.  
I have not received the log on the same operators  
No.1 Bagley State scheduled for the same date.  
Will forward same when received.

Very truly yours,

BY

NOTE: THIS IS A COPY OF THE ORIGINAL MESSAGE.

NOTE: THIS IS A COPY OF THE ORIGINAL MESSAGE.

PLEASE KEEP THIS COPY OF THE MESSAGE AND RETURN IT TO THE DRAWING BOARD.

REPLY

DATE

4007  
Case  
file

SIGNED



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

APPLICATION OF PAUL DeCLEVA )  
FOR SALT WATER DISPOSAL AND, )  
THEREBY, A DUAL COMPLETION )  
OF HIS BAGLEY STATE LEASE )  
WELL NO. 1 LOCATED IN THE NW $\frac{1}{4}$ NW $\frac{1}{4}$  )  
SECTION 34, TOWNSHIP 11 SOUTH, )  
RANGE 33 EAST, N.M. P.M., LEA )  
COUNTY, NEW MEXICO. )

No. \_\_\_\_\_

APPLICATION

COMES NOW Paul DeCleva and respectfully presents this Application to the Oil Conservation Commission of the State of New Mexico for an Order permitting him to dispose of produced salt water down the annulus between the 8 5/8 inch intermediate casing string and the 4 1/2 inch production casing string into the San Andres, Glorietta and other formations into the open hole interval between the 8 5/8 inch casing shoe at 3,799 feet and the top of the cement at 7,358 feet and, thereby, to dually complete his Bagley State Lease Well No. 1 situate in the NW $\frac{1}{4}$ NW $\frac{1}{4}$  Section 34, Township 11 South, Range 33 East, N.M. P.M., Lea County, New Mexico, and in support thereof, states:

1. Attached hereto marked Exhibit "A" is a plat showing the location of Applicant's well hereinabove described and the location of all other wells within a radius of two miles therefrom. This plat also indicates the lessees of record within this two mile radius. All such wells, including Applicant's well, are now producing from the Pennsylvanian formation in the Bagley-Pennsylvanian Pool, with Applicant producing oil through the 2 7/8 inch tubing.

2. Attached hereto marked Exhibit "B" is the log of Applicant's well hereinabove described.

3. Attached hereto marked Exhibit "C" is a diagrammatic sketch of Applicant's well hereinabove described showing all casing strings, including diameters and setting depths, quantity used and tops of cement, perforated or open hole intervals, tubing strings, including diameters and setting depths, and the type and location of packers, if any.

4. The salt water to be disposed of would be that produced from Applicant's well hereinabove described, the anticipated volume of which would be approximately 200 barrels per day. The produced salt water would be continuously treated prior to injection to prevent casing corrosion.

WHEREFORE, Applicant requests that this Application be set for examiner hearing and that after such hearing this Commission enter its Order authorizing the salt water disposal and dual completion as herein requested.

Respectfully submitted,

PAUL DeCLEVA

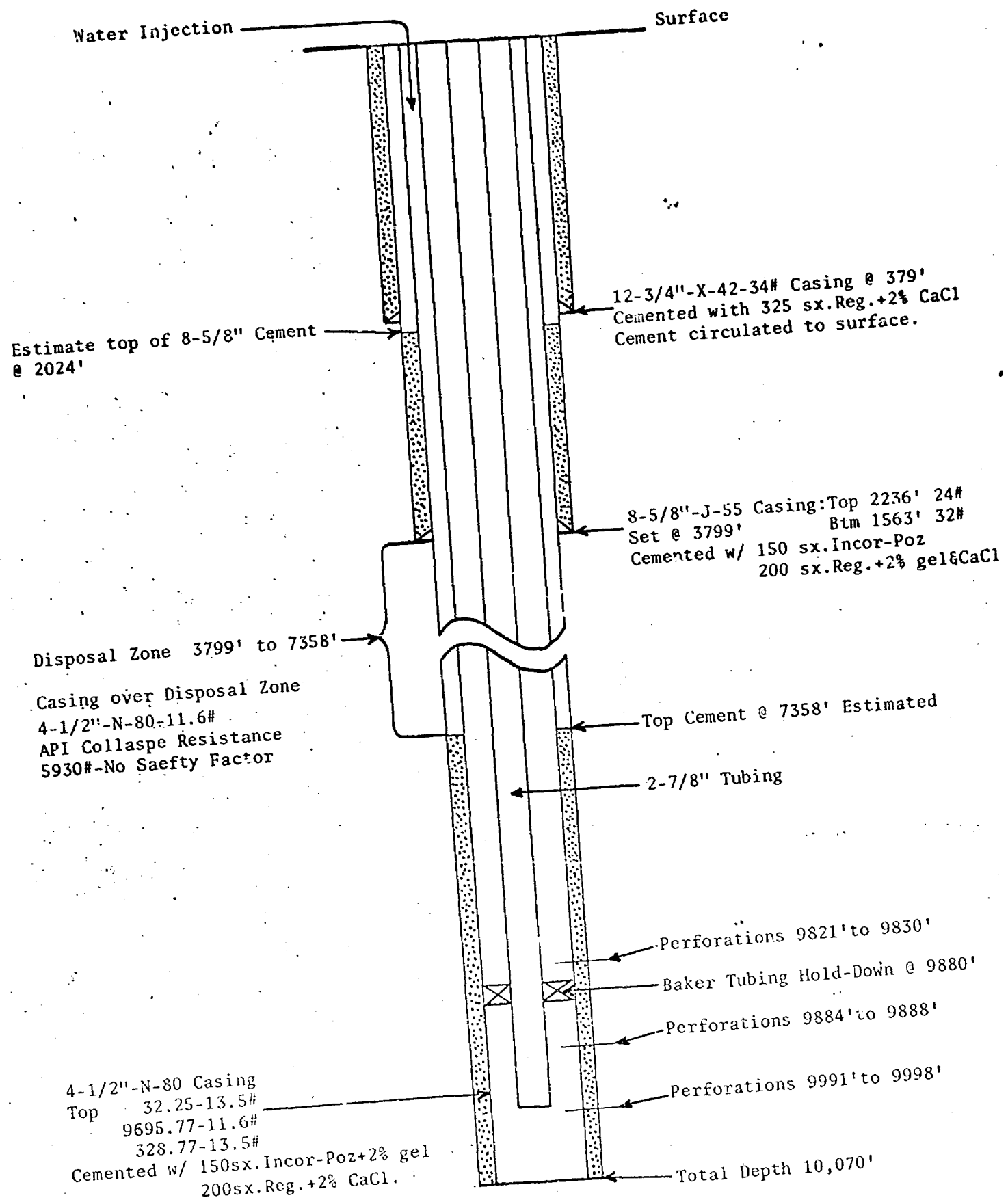
By William L. McCarty

ATWOOD & MALONE

By [Signature]  
His Attorneys

[illegible]

EXHIBIT "C"  
 DIAGRAMMATIC SKETCH  
 PAUL DeCLEVA NO.1 BAGLEY-STATE



DRAFT

GMH/esr

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 4007

Order No. R-3546

APPLICATION OF PAUL DeCLEVA  
FOR A DUAL COMPLETION AND SALT  
WATER DISPOSAL, LEA COUNTY, NEW  
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on December 27, 1968,  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this \_\_\_\_\_ day of December, 1968, the Commission, a  
quorum being present, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the subject  
matter thereof.

(2) That the applicant, Paul DeCleva, seeks authority to  
complete his Bagley State Well No. 1, located in the NW/4 NW/4 of  
Section 34, Township 11 South, Range 33 East, NMPM, Lea County,  
New Mexico, as a dual completion to produce oil from the Bagley-  
Pennsylvanian Pool through 2 7/8-inch tubing and to dispose  
of produced salt water down the annulus between the 8 5/8-inch  
intermediate casing string and the 4 1/2-inch production casing  
string into the San Andres, Glorieta, <sup>yes and Tubbs</sup> and possibly other formations,  
with injection into the open-hole interval from approximately  
3799 feet to 7358 feet,  
between the 8 5/8-  
inch casing shoe at 3799 feet and the top of the cement at  
7358 feet.

(3) That the produced salt water should be continuously treated prior to injection to prevent casing corrosion and coupon corrosion tests should be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission.

(4) That approval of the dual completion and salt water disposal set out above will prevent the drilling of unnecessary wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Paul DeCleva, is hereby authorized to complete his Bagley State Well No. 1, located in the NW/4 NW/4 of Section 34, Township 11 South, Range 33 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Bagley-Pennsylvanian Pool through 2 1/8 -inch tubing and to dispose of produced salt water down the annulus between the 8 5/8 -inch intermediate casing string and the 4 1/2 -inch production casing string into the San Andres, Glorieta, <sup>yes, and Tubbs</sup> ~~and possibly other~~ formations, with injection into the open-hole interval ~~from approximately 3799 feet to 7358 feet;~~  
↙ between the  
8 5/8 -inch casing shoe at 3799 feet and the top of the cement at 7358 feet;

PROVIDED HOWEVER, that the produced salt water shall be continuously treated prior to injection to prevent casing corrosion ~~and~~ that coupon corrosion tests shall be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission;

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PROVIDED FURTHER, that the applicant shall submit monthly reports of his disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

Bagley Well No 1

NW NW 34 - 11S - 33E

Bagley River Perm

San Andres

Glenn

Actual

approx 4100 to 7400  
3799 7358

Long 1000 ft  
1000 ft

Paul Carter - Atwood & Melton