

Case Number

4868

Application  
Transcripts.

Small Exhibits

ETC.

dearnley, meier & mc cormick reporting service, inc.

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG., EAST ALBUQUERQUE, NEW MEXICO 87108

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
OIL CONSERVATION COMMISSION CONFERENCE ROOM  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO  
November 29, 1972

IN THE MATTER OF:

Application of the Wiser Oil Company )  
for a waterflood project, Lea County, )  
New Mexico )

Case No. 4868

BEFORE: Richard L. Stamets  
Examiner

TRANSCRIPT OF HEARING

1 MR. STAMETS: Call the next case, No. 4868, being  
2 application of the Wiser Oil Company for a waterflood project,  
3 Lea County, New Mexico. Call for appearances.

4 MR. KELLAHIN: Tom Kellahin of Kellahin & Fox, Santa  
5 Fe, New Mexico, appearing in behalf of applicant, Wiser Oil  
6 Company; and I have one witness to be sworn.

7 BILL SINGLETARY

8 a Witness, having been first duly sworn according to law, upon  
9 his oath, was examined and testified as follows:

10 DIRECT EXAMINATION

11 BY MR. KELLAHIN:

12 Q Will you please state your name, by whom you are employed,  
13 and in what capacity?

14 A My name is Bill Singletary. I'm employed by the Wiser Oil  
15 Company as District Superintendent of New Mexico.

16 Q Do you spell your name S-i-n-g-l-e-t-a-r-y?

17 A That's right.

18 Q Mr. Singletary, have you ever testified before this  
19 Commission or one of its hearing examiners?

20 A No, I haven't.

21 Q How long have you been employed by Wiser Oil Company?

22 A 26 years.

23 Q Are you familiar with the Drinkard formation in the Drinkard  
24 Pool in Lea County, New Mexico?

25 A Yes, I am.

1 Q What is your experience in that area?

2 A We have four or three producing Drinkard wells in on the  
3 lease in question here today, plus I have been in close  
4 contact with the offset flood which effects this pro-  
5 duction that we are talking about today.

6 Q Are you familiar with the facts surrounding this  
7 application?

8 A Yes, I am.

9 MR. KELLAHIN: Mr. Examiner, are this witness'  
10 qualifications acceptable?

11 MR. STAMETS: They certainly would appear to be  
12 acceptable at this stage.

13 MR. KELLAHIN: Fine, thank you.

14 Q Will you please state briefly, Mr. Singletary, what the  
15 applicant is seeking by this application?

16 A We are seeking to form a secondary waterflood recovery and  
17 in Section 32-21-37 which involves the Southwest quarter  
18 of that section, we hope to use the #1 well.

19 MR. STAMETS: Do you have some exhibits?

20 MR. KELLAHIN: Sure do.

21 Q Will you please refer to what has been marked as applicant's  
22 Exhibit 1, identify it, and explain what information it  
23 contains?

24 A All right. The Exhibit 1 is a plat showing Wiser Oil  
25 Company acreage on the Downes list and also the acreage

dearnley, meier & mc cormick reporting services, inc.

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

1 which is essentially Drinkard's unit, the pilot unit, and  
2 the extension unit of Gulf Oil Company. Also on the plat  
3 it shows our injection well in relation to the pattern,  
4 how the Gulf injection wells, which is an extension of  
5 their Drinkard flood --

6 Q Will you identify for us your proposed injection well?

7 A The proposed injection well is the Downes No. 1 located  
8 in Unit K, Section 32-21-37, which is identified by a  
9 blue circle with a red surrounding on it.

10 Q Will you please refer to what has been marked as applicant's  
11 Exhibit 2, identify it, and explain what information it  
12 contains?

13 A Exhibit 2 is a schematic of our proposed injection well  
14 which shows the setting of all our casing strings, amount  
15 of cement, the proposed injection zone which is open-hole  
16 zone from 6502 to 66-28, which is a Drinkard formation; and  
17 it will be injected through PVC line cubic inch with a Model  
18 D packer set near 64-70. We will plan to fill the annulus  
19 with treated water.

20 Q Is this well completed in this manner at present?

21 A Yes. It has. It was originally completed as a producer  
22 and a Drinkard formation in 1949, and there has been no  
23 changes in the structure of the well since that time.

24 Q Will you please refer to what has been marked as  
25 applicant's Exhibit #3. That's two pages. Please identify

1 it and explain what information it contains. Is that #3?

2 A No. 3 is one page showing the production graph of the  
3 Downes D acreage of our Downes D Drinkard production from  
4 1965 through October of this year; and you'll notice it  
5 has been on a slow decline since about 1968; and we feel  
6 like this is the time to start a secondary program.

7 Q Refer to what has been marked as Exhibit 4.

8 A No. 4, yes.

9 Q Explain what information this contains.

10 A This exhibit contains the production history of the Downes  
11 D #1 well, which is a proposed injection well along with  
12 a production history of the Downes D #2 well, which is  
13 located in Unit L of 32-21-37, which would be a producing  
14 well under this proposed secondary flood. It gives a  
15 production history, oil, gas and water from 1969 through  
16 October of this year. It also gives the average GOR per  
17 year with accumulative production. You'll note to the #1  
18 well, the accumulative production is 224,365 barrels with  
19 #2 well at 206,367 barrels and also the Downes #3 well,  
20 which was originally. It's located in the Southeast  
21 quarter of the Southwest quarter of 32-21-37, which was  
22 recently completed as a Drinkard producer, and in 1965 our  
23 bridge plug was set, and it was re-completed in the tube  
24 zone. It was a low producing well which only accumulated  
25 71,131 barrels with a total accumulation of 3 Drinkard

1 wells at 501,863 barrels.

2 Q Is it your opinion that this proposed injection well has  
3 reached the stripper stage of production?

4 A Yes. We feel like it has reached the stripper stage,  
5 producing only an average of around 11 barrels a day, which  
6 at this depth is close to stripper stage.

7 Q What do you contemplate as your secondary recovery if this  
8 application is approved?

9 A We studied Gulf's Phase 1 or pilot flood, and the results  
10 that they have had on their pilot flood, this is the only  
11 Drinkard flood in that area and the only thing we had to  
12 base our information on. They are getting good results,  
13 and they expect, I believe, it's 70% secondary recovery.  
14 We figured ours a little less with a 60% secondary, which  
15 would be about 301,118 additional barrels that we could gain  
16 through this waterflood system that we wouldn't be able to  
17 produce under normal conditions.

18 Q Where do you propose to obtain your water that you use for  
19 injection?

20 A We have signed a Water Purchase Agreement. We have  
21 negotiated a water Purchase Agreement with the Gulf Oil  
22 Company which will deliver with our lease line which will  
23 be the Northeast line on the quarter section of 32-21-37  
24 coming from their central Drinkard order system under  
25 pressure.

1 Q That's where you will obtain your water?

2 A That's where we will obtain our water.

3 Q What's the quantity of water you propose to inject?

4 A We propose to go along and continue with Gulf, which will  
5 start out around 1,000 barrels a day and that will be  
6 decreased at that time that we get a production take.

7 A Is Gulf's system currently in operation?

8 A Yes. Their pilot flood is presently in operation; and  
9 on Case 4652, February 2, 1972, they got approval from the  
10 Commission for their Phase 1 Expansion, which on Exhibit A  
11 is marked. Their injection wells will be the blue marks  
12 and they have this system presently just about ready to go.  
13 They anticipate an injection December 1 of this year. I  
14 think probably they may be running a week or two late, but  
15 it should be by the middle of December under injection.

16 Q Do you propose to inject this water under pressure?

17 A Yes, we do. Probably for three or four months it will go  
18 in a vacuum. The pressure will gradually build up. We  
19 anticipate about 1500 pressure should get our secondary  
20 oil cake and possibly the pressure will go on up, not  
21 exceeding 2000 pounds.

22 Q Do you have a log on this well, Mr. Singletary?

23 A No. This well has never been logged, but I intend to log  
24 this well when I pull the tube and in preparation for  
25 injection, and at that time, I will have a copy available



dearnley, meier & mc cormick reporting services, inc.

200 SIMMS BLDG. P.O. BOX 1032, PHONE 243-6891, ALBUQUERQUE, NEW MEXICO 87103  
1210 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

1 if the Commission desires it.

2 Q Will you please refer to what has been marked as Exhibit  
3 5?

4 A All right.

5 Q Identify it and explain what information it contains.

6 A Exhibit 5 is a graph of Gulf Oil Company's pilot waterflood  
7 which shows on their oil cake there on the bottom of the  
8 graph where they have indeed got a good secondary system  
9 going there, and this is what give us the incentive to go  
10 ahead and reach an agreement with them and get in this  
11 secondary system at this time. They have recovered in

12 excess of over 150,000 barrels of secondary oil through the  
13 pilot flood which consisted of six injection wells. The

14 graph also shows the water volumes and the injection  
15 pressure, and it shows how the gas-oil ratio did take a  
16 sharp decline when the increase in oil was experienced.

17 Q What is the unit area for this project, Mr. Singletary?

18 A You mean our unit?

19 Q Yes, sir.

20 A It will include the Southwest quarter of Section 32-21-37,  
21 which is identified by the color green.

22 Q In your opinion, can this unit area be successful and  
23 economical waterflood?

24 A Yes. No doubt it can be from the results that they have  
25 accomplished with their pilot flood. We feel like it can

dearnley, meier & mc cormick reporting services

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1215 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

1 be waterflooded successfully.

2 Q Your proposed waterflood project then is compatible with  
3 Gulf's system?

4 A Yes. We also, along with the Water Purchase Agreement,  
5 have a Lease Line Agreement which we worked out with them  
6 in order to arrange the pattern that you see on this map  
7 which will benefit both parties.

8 Q Do you have anything you'd like to add at this time?

9 A The only thing that I'd like to ask the Commissioner, we  
10 are a little late with the hearing here since Gulf  
11 anticipates this early injection and just wondered if it  
12 will be in order with the Commission for maybe a verbal note  
13 that I could go ahead and prepare this well as well as lay  
14 the lines for this injection well prior to a written  
15 official notice from the Commission.

16 Q In either regards, Mr. Singletary, you anticipate your  
17 project being put into operation about the same time as  
18 Gulf puts their extended plan in operation?

19 A Yes, we'd like to get started about the same time. Our  
20 volumes injected would be the same. We will be working  
21 together each month on the volume control.

22 Q Were Exhibits 1 through 5 prepared by you or under your  
23 direction and supervision?

24 A Yes, they were.

25 MR. KELLAHIN: Mr. Examiner, I move the admission of

dearnley, meier & mc cormick reporting service

209 SIMMS BLDG. • P.O. BOX 1082 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87103  
1210 FIRST NATIONAL BANK BLDG. EAST • ALBUQUERQUE, NEW MEXICO 87108

1 those.

2 MR. STAMETS: They will be admitted.

3 MR. KELLAHIN: That concludes our direct examination,  
4 Mr. Examiner.

5 CROSS EXAMINATION

6 BY MR. STAMETS:

7 Q Mr. Singletary?

8 A Yes, sir.

9 Q In your capacity as the District Superintendent, everything  
10 you testified to here comes under your jurisdiction and all  
11 these things are handled by you each day with your staff?

12 A Yes, sir.

13 Q So you do have full knowledge of what you have testified to?

14 A Yes, sir.

15 Q Is the annulus you propose to load engage it or leave it  
16 open in order to detect any leakage?

17 A Yes, it would be able to detect any leakage from the packer.

18 Q How many wells are to be producing wells in the Southwest  
19 quarter of the section?

20 A At this time only our #2 located in Unit L. However, we do  
21 plan to open up the #3 well, which is located down here in  
22 the Southeast quarter of that quarter section and duly at  
23 #4, a producing well from the Drinkard formation, and also  
24 the other zone being our tubs gas zone which is producing  
25 now.

1 now.

2 Q How soon do you anticipate doing that work?

3 A Probably in 90 days after initial injection starts, we  
4 will move our pumping equipment from our #1 well to our  
5 #3.

6 Q What about the well in the Southwest to the Southwest?

7 A There is an open Drinkard location that hasn't been  
8 drilled yet. We are studying now the possibility of  
9 drilling this well sometime next year for the purpose of  
10 another injection well. In a discussion with Gulf in  
11 their Midland office last week, they are going ahead with  
12 their Phase 2, which includes these yellow markers on the  
13 Exhibit, and they feel certain this will go right along in  
14 the near future. When we see this is going well, we will  
15 probably go ahead and request permission to drill this third  
16 injection well, and that would give us a perfect spot  
17 pattern for our two producers and our two injections.

18 Q The injection is to be in the open-hole section, isn't it?

19 A Yes, sir. All these wells are open-hole completions.

20 Q When did you say Gulf anticipated starting injection on it?

21 A They anticipated December 1, but I don't believe they'll  
22 make it. They will probably be around the 15th of December  
23 when they get their injection under way.

24 MR. STAMETS: Are there other questions of the witness?

25 MR. KELLAHIN: No, sir.

dearnley meier & mc cormick reporting services, inc.

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG. EAST, ALBUQUERQUE, NEW MEXICO 87108

1 MR. STAMETS: You may be excused. Any statements in this  
2 case? Mr. Kellahin, I believe we can expedite this order and  
3 get it out in short order and not have to make any special  
4 dispensation.

5 MR. KELLAHIN: I'd appreciate it. Thank you.

6 MR. STAMETS: I'll take the case under advisement.  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

1 STATE OF NEW MEXICO )  
 2 ) ss.  
 3 COUNTY OF BERNALILLO)

4 I, JANET RUSSELL, A Court Reporter, in and for the County  
 5 of Bernalillo, State of New Mexico, do hereby certify that the  
 6 foregoing and attached Transcript of Hearing before the New  
 7 Mexico Oil Conservation Commission was reported by me; and  
 8 that the same is a true and correct record of the said  
 9 proceedings to the best of my knowledge, skill and ability.

10 *Janet Russell*  
 11 COURT REPORTER  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25

I do hereby certify that the foregoing is  
 a complete record of the proceedings in  
 the Examiner hearing of Case No. 4868  
 heard by me on Dec 29, 1972.  
*Richard L. Hammet*, Examiner  
 New Mexico Oil Conservation Commission

dearnley, meier & mc cormick reporting services, inc.

209 SIMMS BLDG. P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87103  
 1216 FIRST NATIONAL BANK BLDG. EAST • ALBUQUERQUE, NEW MEXICO 87108



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87501

GOVERNOR  
BRUCE KING  
CHAIRMAN

LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER

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

December 1, 1972

Mr. Tom Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: Case No. 4868  
Order No. R-4445  
Applicant:  
The Wiser Oil Company

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.*  
A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

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. 4868  
Order No. R-4445

APPLICATION OF THE WISER OIL  
COMPANY FOR A WATERFLOOD PROJECT,  
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 29, 1972, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 1st day of December, 1972, 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, The Wiser Oil Company, seeks authority to institute a waterflood project on its Downes Lease being the SW/4 of Section 32, Township 21 South, Range 37 East, NMPM, Drinkard Pool, Lea County, New Mexico, by the injection of water into the Drinkard formation through its Downes "D" Well No. 1, located in Unit K of said Section 32.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.



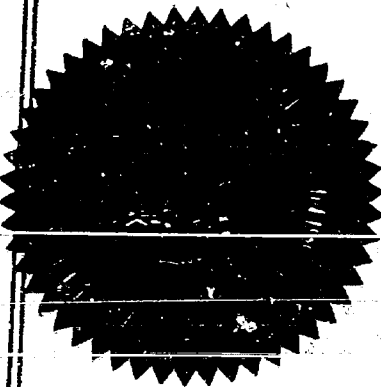
-2-

Case No. 4868  
Order No. R-4445

IT IS THEREFORE ORDERED:

- (1) That the applicant, The Wiser Oil Company, is hereby authorized to institute a waterflood project on its Downes Lease, being the SW/4 of Section 32, Township 21 South, Range 37 East, NMPM, Drinkard Pool, Lea County, New Mexico, by the injection of water into the Drinkard formation through its Downes "D" Well No. 1, located in Unit K of said Section 32.
  - (2) That injection shall be accomplished through internally coated tubing under a packer set within 100 feet of the production casing shoe, and that the casing-tubing annulus shall be loaded with an inert fluid and equipped with a gauge at the surface to determine any leakage into said annulus.
  - (3) That the subject waterflood project is hereby designated the Wiser Downes Drinkard Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.
  - (4) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
  - (5) 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

  
*Bruce King*  
BRUCE KING, Chairman

*Alex J. Armiijo*  
ALEX J. ARMIJO, Member

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

S E A L

dr/

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 29, 1972

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

The following cases will be heard before Richard L. Stamets, Examiner, or Elvis A. Utz, Alternate Examiner:

CASE 4854: (Continued from the November 1, 1972 Examiner Hearing)

Application of Dugan Production Corporation to commingle gas production prior to metering, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle gas produced from wells located in Sections 25, 26, 35, and 36, Township 28 North, Range 15 West, undesignated Pictured Cliffs gas pool, San Juan County, New Mexico, prior to metering said gas, as an exception to Rule 403 of the Commission Rules and Regulations.

CASE 4860: (Continued from the November 14, 1972 Examiner Hearing)

Application of Craig Folsom for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a well to test the Queen formation at an unorthodox oil well location 1340 feet from the South line and 1300 feet from the East line of Section 12, Township 13 South, Range 31 East, Caprock-Queen Pool, Chaves County, New Mexico.

CASE 4857: (Continued to November 29, 1972 Examiner Hearing)

Application of Perry R. Bass for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox gas well location for his Big Eddy Well No. 7 located 660 feet from the South line and 1980 feet from the East line of Section 19, Township 20 South, Range 31 East, Maroon Cliffs-Morrow Gas Pool, Eddy County, New Mexico, with the E/2 of said Section 19 to be dedicated to the well.

CASE 4866: Application of Roger C. Hanks for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water in the Devonian formation through perforations between 13,000 to 13,300 feet in his Graham Well No. 1 located in Unit F of Section 29, Township 16 South, Range 36 East, East Shoe Bar-Devonian Pool, Lea County, New Mexico.

CASE 4867: Application of Superior Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 7, Township 23 South, Range 27 East, South Carlsbad Field, Eddy County, New Mexico, to be dedicated to a

(Case 4867 continued from page 1)

well to be drilled 810 feet from the South line and 1980 feet from the West line of said Section 7. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4868: Application of The Wiser Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Drinkard formation through its Downes "D" Well No. 1 located in Unit K of Section 32, Township 21 South, Range 37 East, Drinkard Pool, Lea County, New Mexico.

CASE 4869: Application of Claude C. Kennedy for the amendment of Order No. R-4263 and for the revocation of Commission Order NSL-586, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-4263 to require that all wells drilled within the Lone Pine Dakota "D" Unit be drilled on locations no closer than 330 feet from the boundary of the quarter-quarter section in which any such well is located, and to prohibit the transfer of allowable to any well located closer than 1320 feet from the outer boundary of the unit area. Applicant further requests the revocation of Commission Order No. NSL-586 dated November 1, 1972, which order authorized Tenneco Oil Company to drill its proposed Lone Pine Dakota "D" Unit No. 29 well at a location 2300 feet from the South line and 1450 feet from the West line of Section 8, Township 17 North, Range 8 West, Lone Pine-Dakota "D" Oil Pool, McKinley County, New Mexico.

CASE 4835: (Continued and readvertised)

Application of Texas Oil & Gas Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface of the ground down to and including the Pennsylvanian formation underlying the S/2 of Section 13, Township 22 South, Range 26 East, South Carlsbad Field area, Eddy County, New Mexico, to be dedicated to a well to be drilled 660 feet from the South line and 1980 feet from the East line of said Section 13. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4870: Application of Sun Oil Company for an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its proposed U. D. Sawyer Well No. 10 at an unorthodox location 986 feet from the South line and 1000.5 feet from the East line of Section 27, Township 9 South, Range 36 East, Crossroads-Devonian Pool, Lea County, New Mexico.

CASE 4871: Application of Samedan Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Langlie-Mattix "B-4" Penrose (Queen) Unit Area, comprising 240 acres, more or less, of Federal lands in Sections 17 and 18, Township 23 South, Range 37 East, Lea County, New Mexico.

CASE 4872: Application of Samedan Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Queen formation through two wells in its Langlie-Mattix "B-4" Unit Area, Langlie-Mattix Pool, Lea County, New Mexico.

CASE 4862: (Continued and readvertised)

Application of Adobe Oil Company for a non-standard gas proration unit and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 520-acre non-standard gas proration unit comprising the NE/4, SE/4, E/2 SW/4, N/2 NW/4, and SE/4 NW/4 of Section 11, Township 23 South, Range 24 East, Rock Tank-Upper Morrow and Rock Tank-Lower Morrow Gas Pools, Eddy County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 330 feet from the East line of said Section 11.

CASE 4863: (Continued and readvertised)

Application of C & K Petroleum Inc. for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be located 660 feet from the South and West lines, or in the alternative, 990 feet from the South line and 660 feet from the West line of Section 18, Township 18 South, Range 26 East, West Atoka-Morrow Gas Pool, Eddy County, New Mexico, to be dedicated to a standard proration unit comprising the S/2 of said Section 18.

CASE 4873: Application of Mountain States Petroleum Corporation for gas prorationing, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the institution of gas prorationing in the West Atoka-Morrow Gas Pool, Eddy County, New Mexico.

**THE WISER OIL COMPANY**  
**PRODUCTION DEPARTMENT**

P. O. Box 2467  
HOBBS, NEW MEXICO 88240

October 10, 1972

RECEIVED  
OCT 11 1972  
SANTA FE  
COMM.

*Case 4868*

Gentlemen:

Please be advised that the District Office of  
The Wiser Oil Company in Roswell, New Mexico  
has been closed effective October 9, 1972.

Our New Mexico Production office, managed by  
Mr. B. D. Singletary, remains the same.

The Wiser Oil Company  
P.O. Box 2467  
Hobbs, New Mexico 88240  
Phone-- 505-392-8281

In the future, all reports and correspondence  
relating to production and production accounting  
should be addressed to the Hobbs office/

Very Truly yours,

B.C. Hicks

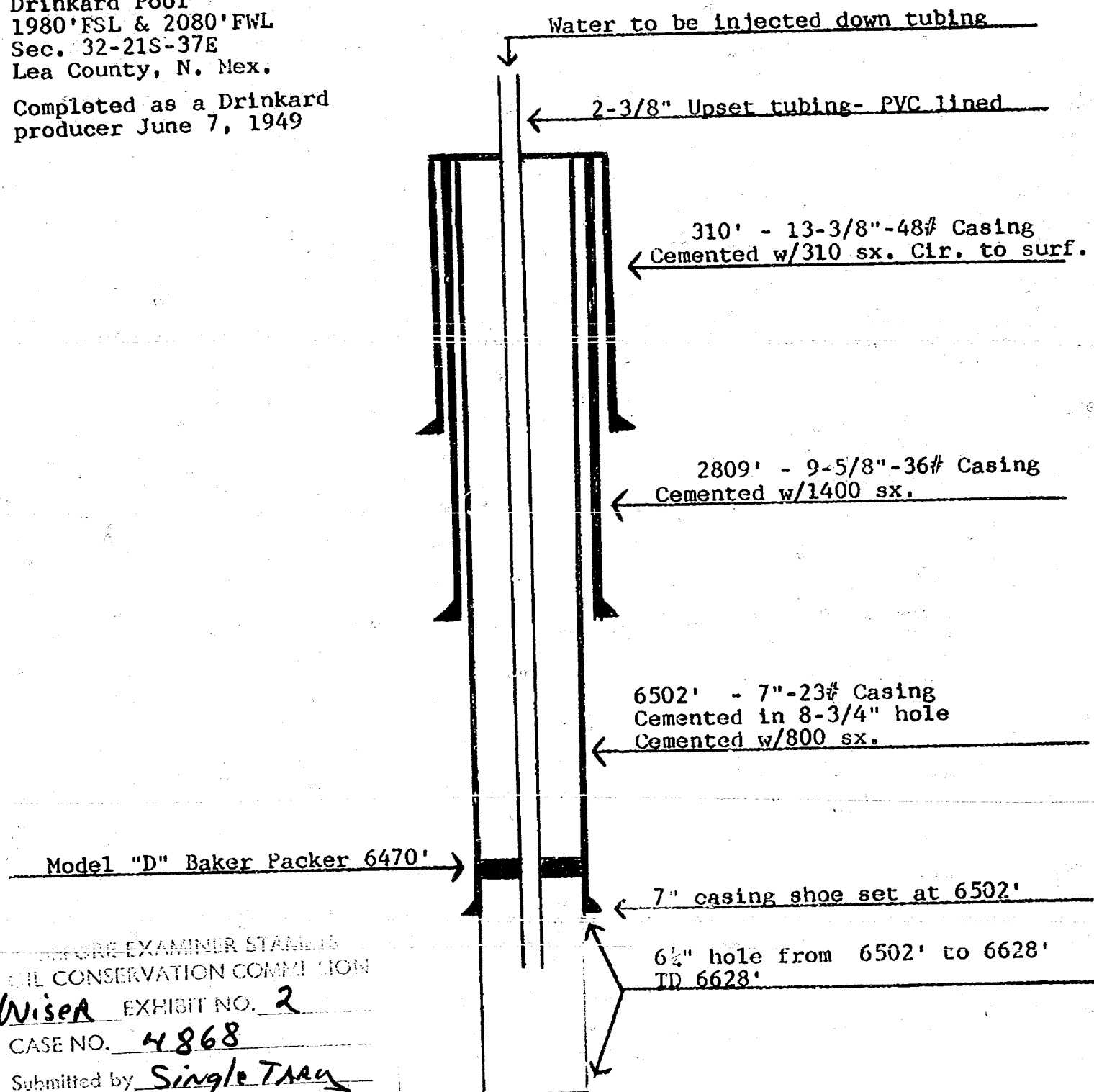
Exhibit No. 2  
Case No. 4868  
November 29, 1972

**THE WISER OIL COMPANY**  
PRODUCTION DEPARTMENT

P. O. Box 2467  
HOBBS, NEW MEXICO 88240

The Wiser Oil Company  
Downes "D" No. 1  
Drinkard Pool  
1980' FSL & 2080' FWL  
Sec. 32-21S-37E  
Lea County, N. Mex.  
Completed as a Drinkard  
producer June 7, 1949

Schematic of proposed Injection  
Well

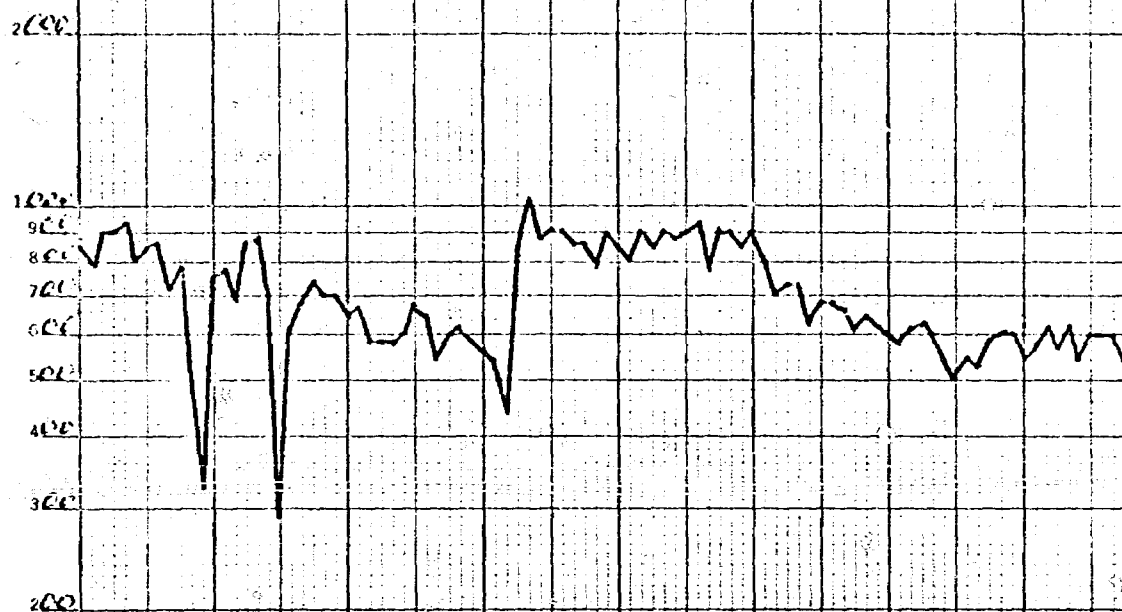


BEFORE EXAMINER STAMPS  
OIL CONSERVATION COMMISSION  
**Wiser** EXHIBIT NO. 2  
CASE NO. 4868  
Submitted by Single TAY  
Hearing Date 29 Nov 72

Downs "D" 32-21-37 #1-K

Accumulated Oil 1-1-66 445,099  
 " " to 1-1-72 496,060

Exhibit No. 38  
 Case No. 4868  
 November 29, 1972



Put #1 on pump 8-4-66

Put #2 on pump 1-14-66

#1 Completed 6-7-49

#2 Completed 1-5-50

#3 Completed 8-12-50

9,247

8,362

7,347

9,511

10,480

8,365

6,914

1965

1966

1967

1968

1969

1970

1971

1972

1973

1974

Drinkard

Exhibit No. 18  
Case No. 4868  
November 29, 1972

Downes "D" No. 1

1969

Month	Oil Bbls.	Gas MCF	Water Bbls.
January	366	4120	40
February	335	3302	38
March	447	4216	33
April	407	4309	30
May	434	4611	30
June	390	4528	30
July	400	4700	31
August	400	4650	31
September	390	4742	28
October	400	4200	29
November	390	4015	30
December	382	3980	30
TOTAL	4741	51373	380

AVERAGE GOR 10,836 C/F per Bbl.

Downes "D" No. 2

Oil Bbls.	Gas MCF	Water Bbls.
485	4714	150
462	4565	140
465	4489	145
441	4460	140
471	4611	145
492	4528	150
503	4928	160
527	5263	170
410	4741	175
501	5000	185
515	4390	190
467	4117	195
5739	55806	1945

9,724 C/F per Bbl.

1970

Downes "D" No. 1

Month	Oil Bbls.	Gas MCF	Water Bbls.
January	384	3916	31
February	324	3440	28
March	279	2850	31
April	293	2705	30
May	290	3060	30
June	252	3120	30
July	269	3030	35
August	272	2890	50
September	265	2780	60
October	246	2550	90
November	258	2322	140
December	248	2408	150
TOTAL	3380	35071	705

AVERAGE GOR 10,376 C/F per Bbl.

Downes "D" No. 2

Oil Bbls.	Gas MCF	Water Bbls.
510	4485	200
467	4453	190
418	4840	200
439	4607	195
434	4940	220
379	4785	225
404	4657	230
409	4944	240
397	4180	300
369	4004	310
387	3378	300
372	3610	310
4985	52883	2910

10,608 C/F per Bbl.



## Downes "D" No. 1

1971

## Downes "D" No. 2

Month	Oil Bbls.	Gas MCF	Water Bbls.	Oil Bbls.	Gas MCF	Water Bbls.
January	242	2702	145	362	3034	300
February	233	2301	150	349	3300	310
March	244	2484	170	366	3690	330
April	249	2450	165	373	3558	325
May	240	2430	170	359	3836	330
June	214	2210	165	322	3509	325
July	196	2460	170	295	3632	330
August	221	2240	180	331	3446	335
September	214	1900	185	320	3084	340
October	233	3223	190	349	3817	350
November	239	2685	180	358	4011	320
December	310	3990	190	295	2550	325
TOTAL	2835	30775	2060	4079	41467	3920

AVERAGE GOR 10,855 C/F per Bbl.

10,165 C/F per Bbl.

## Downes "D" No. 1

1972

## Downes "D" No. 2

Month	Oil Bbls.	Gas MCF	Water Bbls.	Oil Bbls.	Gas MCF	Water Bbls.
January	310	3360	195	239	2566	330
February	290	2614	180	284	2715	290
March	310	2740	200	305	2712	300
April	300	2920	195	268	2509	280
May	310	2984	200	313	2542	285
June	328	3200	195	219	2241	270
July	345	3405	210	248	2406	280
August	356	3435	200	248	2350	265
September	359	3335	200	239	2223	255
October	320	3341	195	212	2228	250
TOTAL	3228	31334	1970	2575	24492	2805

AVERAGE GOR 9,706 C/F per Bbl.

9,511 C/F per Bbl.

Accumulative Drinkard production through October 1972:

Downes "D" No. 1 ----- 224,365 bbls.

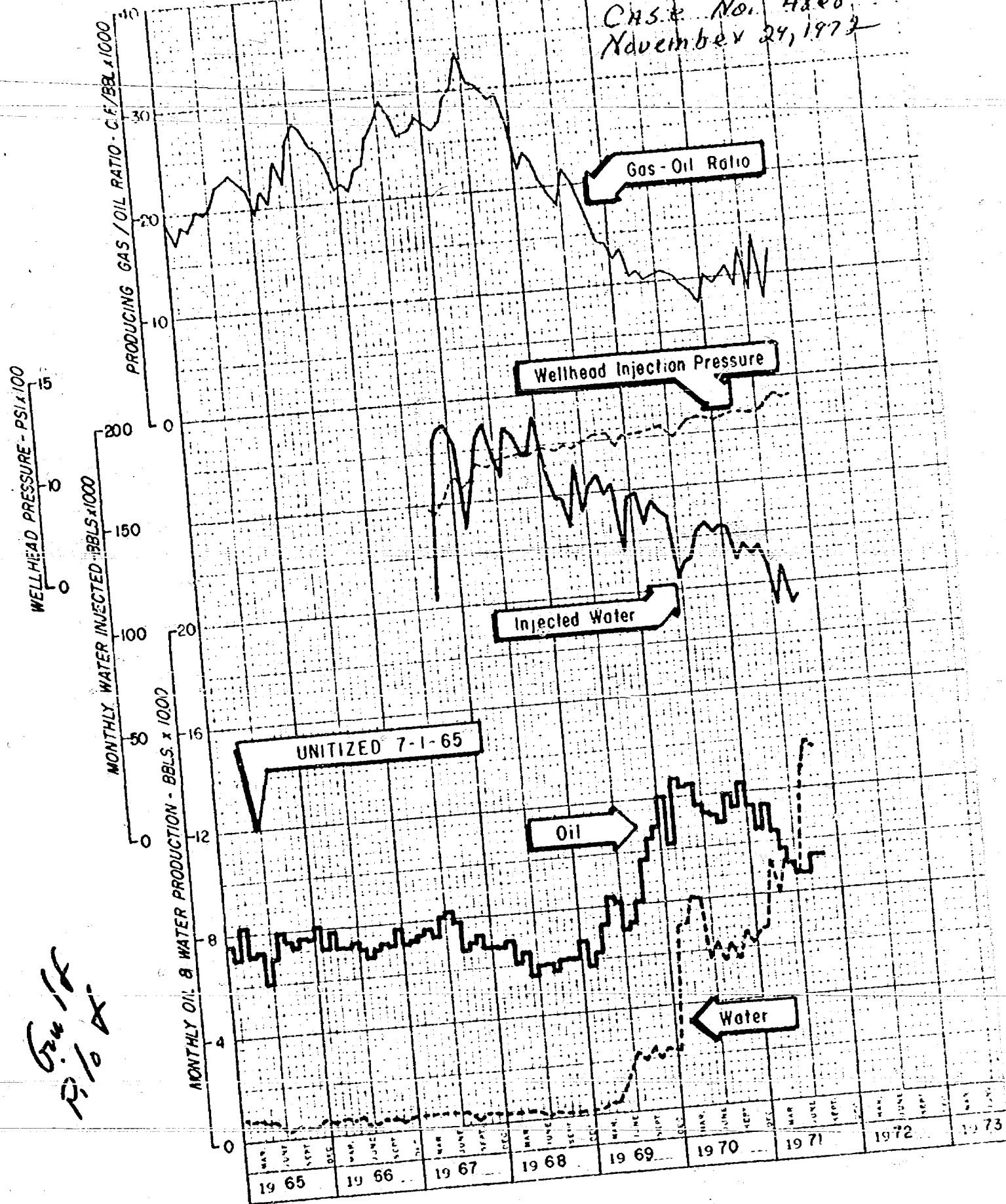
Downes "D" No. 2 ----- 206,367 bbls.

Downes "D" No. 3 ----- 71,131 bbls. (Plugged back to Tubb Gas in 1964)

GRAND TOTAL 501,863 bbls.

60% Secondary recovery would be 301,118 additional barrels of oil

Exhibit No. 5  
Case No. 4868  
November 24, 1972

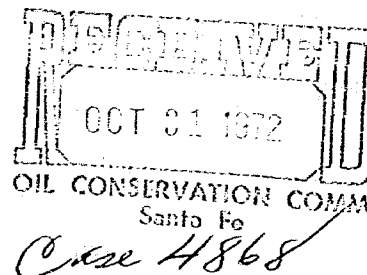


**THE WISER OIL COMPANY**  
**PRODUCTION DEPARTMENT**

P. O. Box 2467  
HOBBS, NEW MEXICO 88240

October 27, 1972

New Mexico Oil Conservation Commission  
P.O. Box 2088  
Santa Fe, New Mexico 87501



Re: Application for secondary recovery unit in Drinkard  
Formation located in SW/4 of Section 32 Township 21S  
Range 37E Lea County, New Mexico.

Application for permit to inject water in Downes D #1  
Drinkard well located in NE/4 of SW/4 Section 32 of  
this unit.

Gentlemen:

We are requesting a hearing on the above mentioned unit to  
establish a secondary recovery unit in cooperation with Gulf  
Oil Company in their Central Drinkard Expansion Water Flood  
Project.

Enclosed is a platt showing our Downes Lease in relation to  
the Gulf Oil Company Flood Unit. We have negotiated a Cooperative  
Line Well Agreement with Gulf Oil Company. Gulf Oil Company  
Agrees to inject water in wells #151, #137, and #139, offsetting  
our Downes Lease. In return, The Wiser Oil Company has agreed  
to inject water in D #3 well. This injection pattern will be  
to mutual benefit to both Companies.

We plan to produce our Drinkard D #2 well located in NW/4  
of SW/4 and D #3 well located in SE/4 of SW-1/4 section 32-215-37E.

We will be enjecting water in our Downes D #1 well at the  
same rate Gulf Oil Company is enjecting in the offset injection  
wells.

We have also negotiated a Water Purchase Agreement with Gulf  
Oil Company where we will buy water by the barrel under pressure  
from their Central Drinkard Flood Unit.

Enclosed is a drawing of our Downes D #1 well showing casing  
settings and depths. This well has not been logged so a log is  
not available at this time. If the injection permit is approved,  
the well will be logged at the time the tubing is pulled prior  
to injection and a copy will be available for you.

DOCKET MAILED

Date 11-17-72

**THE WISER OIL COMPANY**  
**PRODUCTION DEPARTMENT**

P. O. Box 2467  
HOBBS, NEW MEXICO 88240

In a telephone conversation with Mr. Dan Nutter on October 26th, he indicated the earliest hearing we could get would probably be on the docket for November 29, 1972.

Time is important to us since Gulf Oil Company at this time plans to start their injection program around the first of December or shortly after. We would like to have approval by this date so we could start our injection program the same time as Gulf Oil Company.

If you need any more information before the hearing, let me know and I will send it to you.

Sincerely,



B. D. Singletary  
Production Supt.

BDS:ms

cc: John C. Wright  
Box 192  
Sistersville, W. Va.

Bill Larson  
110 Gihls Tower E.  
Midland, Texas

Case 4868

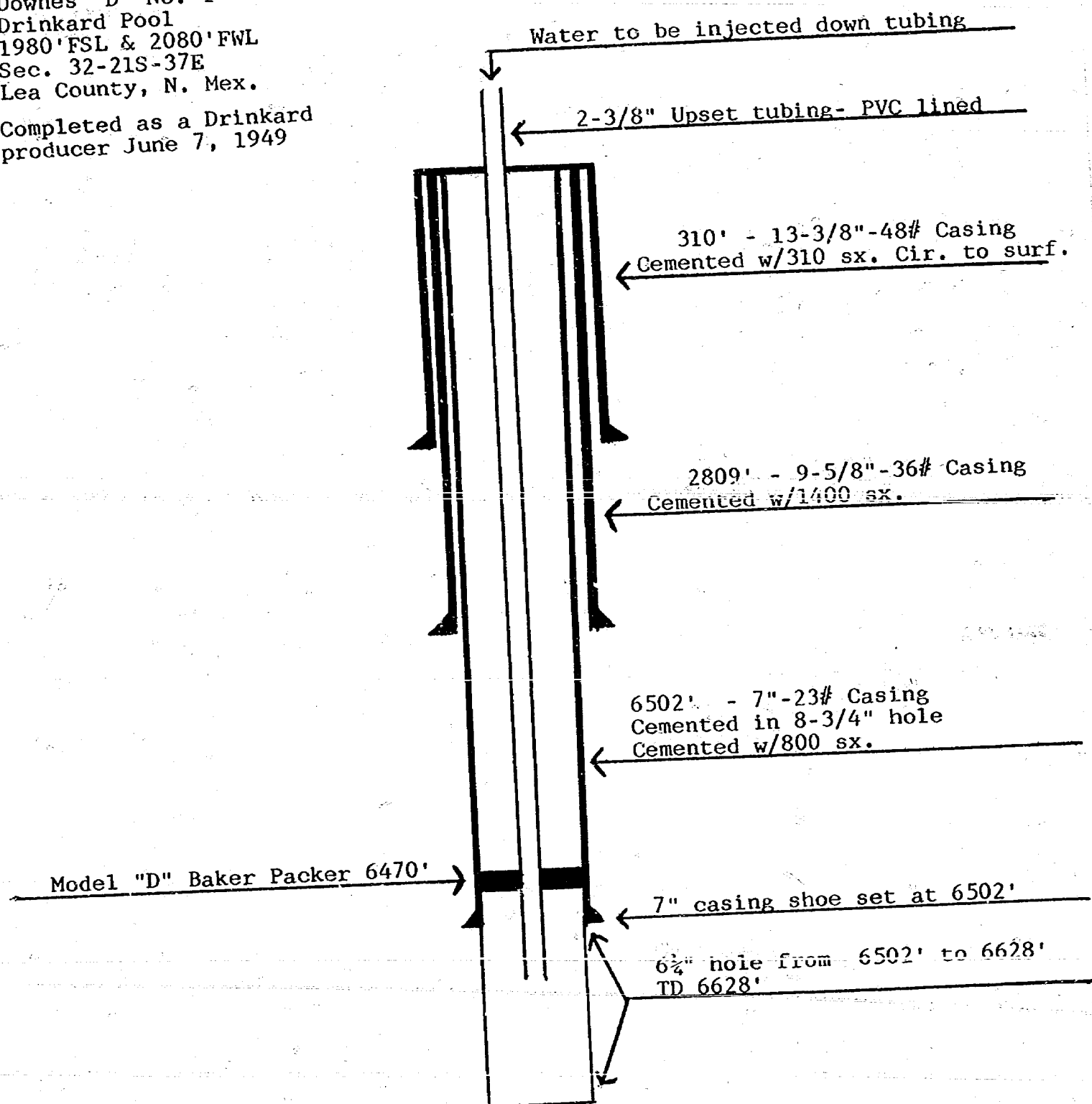
**THE WISER OIL COMPANY**  
PRODUCTION DEPARTMENT

P. O. Box 2467  
HOBBS, NEW MEXICO 88240

The Wiser Oil Company  
Downes "D" No. 1  
Drinkard Pool  
1980' FSL & 2080' FWL  
Sec. 32-21S-37E  
Lea County, N. Mex.

Completed as a Drinkard  
producer June 7, 1949

Schematic of proposed Injection  
Well



DRAFT

dr/

(Expedite)  
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. 4868

Order No. R-4445

APPLICATION OF THE WISER OIL  
COMPANY FOR A WATERFLOOD PROJECT,  
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on Nov. 29, 1972,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this day of December, 1972, 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, The Wiser Oil Company, seeks  
authority to institute a waterflood project <sup>on its</sup> ~~in the~~ Downes Lease  
<sup>being the SW 1/4 of Section 32, Township 21 South, Range 37 East, NMPM,</sup>  
~~Lea County, New Mexico, Drinkard Pool, Unit Area, Drinkard Pool, by the injection~~  
of water into the Drinkard formation through its Downes "D" Well  
No. 1, located in Unit K <sup>of said</sup> Section 32, Township 21 South, Range  
37 East, NMPM, Lea County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, The Wiser Oil Company, is hereby authorized to institute a waterflood project on <sup>its Downes lease 3 1/4 of Section 32, Township 21 South, Range 37 East, Lea County, New Mexico,</sup> ~~the~~ Unit Area, Drinkard Pool, by the injection of water into the Drinkard formation through its Downes "D" Well No. 1, located in Unit K of <sup>said</sup> Section 32, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

(3)(2) That the subject waterflood project is hereby designated the Wiser Downes Drinkard Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4)(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5)(4) 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.

(2) That injection shall be accomplished through internally coated tubing under a packer set within 100 feet of the production casing shoe, and that the casing-tubing annulus shall be loaded with an inert fluid and a gauge at the surface or be allowed to remain open to determine any leakage into said annulus.

CASE 4869: Application of CLAUDE  
C. KENNEDY FOR AMENDMENT OF ORDER  
R-4263 & REVOCATION OF NSL-586.