





BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
April 25, 1962

**DEARNLEY-MEIER REPORTING SERVICE, Inc.**

FARMINGTON, N. M.  
PHONE 325-1182

ALBUQUERQUE, N. M.  
PHONE 243-6691

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IN THE MATTER OF: )

Application of J. C. Williamson for a dual )  
completion, Lea County, New Mexico. )  
Applicant, in the above-styled cause, seeks )  
permission to complete its Westates-Federal )  
Well No. 8 located in Unit E of Section 1, )  
Township 25 South, Range 37 East, Lea )  
County, New Mexico, as a dual completion )  
(conventional) in the North Justis-McKee )  
Pool and an undesignated Montoya Pool with )  
the production of oil from both zones to be )  
through parallel strings of tubing. )

CASE  
2537

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BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Case 2537.

MR. MORRIS: Application of J. C. Williamson for a  
dual completion, Lea County, New Mexico. Mr. Examiner, no  
appearance is made on behalf of the applicant and I move that  
the case be dismissed.

MR. UTZ: Case 2537 will be dismissed for the lack  
of appearance without prejudice.



NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING - ELVIS A. UTZ

SANTA FE, NEW MEXICO

REGISTER

ILLEGIBLE

HEARING DATE MAY 23, 1962 TIME: 9 A.M.

NAME:	REPRESENTING:	LOCATION:
Jason Kellah	Kellah & Fox	Santa Fe
JOE A. COLEMAN	J.C. WILLIAMSON	HOBBS
R.N. Miller	Tidewater	Midland
A.R. Smith	✓	Hobbs
Bill Federico	✓	Santa Fe, N.M.
Wm. S. Davis	Humble	Midland
H. P. Bezner	Campbell & Russell	Roswell NM
Jack M. Campbell	Hervey Davis	"
A.C. Oratton	Newmont Oil Co.	Antonia, New Mex.
Robert J. Cook	TEXACO Inc.	Midland Tex.
C.R. Block	J. Glenn Turner	"
L. ...	"	"
Frank Blumer	"	"
Bill Federico	"	"

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HEARING DATE MAY 23, 1962 TIME: 9 A.M.

NAME:	REPRESENTING:	LOCATION:

JOE A. COLEMAN

called as a witness, having been first duly sworn on oath, testified as follows:

## DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Will you state your name, please?

A Joe A. Coleman.

Q What business are you engaged in, Mr. Coleman?

A Consulting Engineer.

Q Is that a Petroleum Engineer?

A Petroleum Engineer, yes, sir.

Q Have you testified before the Oil Conservation Commission of New Mexico as an expert Petroleum Engineer and had your qualifications made a matter of record?

A Yes, sir.

MR. KELLAHIN: Are the witness' qualifications acceptable?

MR. UTZ: Yes, sir, they are.

Q (By Mr. Kellahin) Mr. Coleman, have you been retained by J. C. Williamson in connection with the application under Case No. 2537?

A Yes, sir.

Q Are you familiar with the application in this case?

A Yes, sir.

Q Will you state briefly what is proposed by the applicant?



A J. C. Williamson proposes -- which, for a matter of record, has already been done -- to dually complete its Westates-Federal No. 8 in the North Justis Field. The location is Unit E, Section 1, 25, 37.

Q That is a conventional location, is it not?

A Yes, sir, that is a conventional location and conventional dual completion.

Q What formations is the well completed in?

A In the undesignated Montoya and North Justis-McKee.

Q Referring to what has been marked as Exhibit No. 1, would you discuss the information shown on that exhibit?

A That is an ownership plat showing Williamson's No. 8 in respect to the other wells in that area.

Q The exhibit shows the offsetting ownership, does it not?

A Yes, sir.

Q And other wells drilled in the area?

A Yes.

Q Are any of the wells dually completed within the two zones here in the immediate vicinity of this well?

A Not just duals, no, sir.

Q This is the first dual in this area in those two formations, is that correct?

A Yes.

Q Now referring to Exhibit No. 2, would you identify that exhibit and state what is shown on it?



A That is a Schlumber-J sonic log with the tops of the formations in that area marked, with the perforations in this particular well shown as such.

Q Does it show the tops of the formations and the perforations?

A Yes; which shows the wide separation between the two sets of formations.

Q Now referring to what has been marked as Exhibit No. 3, would you discuss the information shown on that exhibit?

A Yes, sir, that's a diagrammatic sketch of the mechanical device in that well. It shows the two strings of 2-inch tubing and the Brown permanent type packer to separate the two producing zones. Also it shows the casing, where it's set, and how much cement that was run in the hole originally.

Q Is this a type of dual completion which has been approved by this Commission in other instances?

A Yes, sir.

Q In your opinion, is it adequate to protect the producing horizon?

A Yes, sir.

Q Is it adequate to protect any other horizons encountered in the well, either productive of oil or gas or water zones?

A Yes, it is.

Q In your opinion, is the approval of this dual completion in the interest of conservation?



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A Yes, sir.

Q Do you have any production tests on the two zones?

A Yes, sir, we have.

Q Exhibit No. 4 and No. 5?

A The Montoya produced 360 barrels of oil on one particular test, no water, and this gravity is approximately 46 degrees API. The McKee produced 265 barrels of oil with approximately 41 API gravity.

MR. UTZ: What was the gravity again on the Montoya?

A Approximately 46.

Q (By Mr. Kellahin) Have you run any pressure tests on the two zones, Mr. Coleman?

A No pressure tests or packer leakage tests have been conducted, no tank room.

Q In the event this application is approved, will those tests be run immediately?

A Yes, sir.

Q Will you file that information with the Commission?

A Yes, sir.

Q Were Exhibits 1 through 5 prepared by you or under your supervision?

A They were assembled by me.

MR. KELLAHIN: At this time we would like to offer Exhibits 1 through 5, inclusive.

MR. UTZ: Without objection, Exhibits 1 through 5 will



be entered into the record in this case.

MR. KELLAHIN: That's all the questions I have of the witness, Mr. Utz.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Coleman, in your opinion is the shale break between the top of the McKee and the bottom of the Montoya sufficient to prevent vertical communication between these zones?

A I believe that it is.

Q Did you say what the distance was between these two zones? Did you just allow this exhibit to speak for itself?

A Yes, sir, they're marked and labelled.

Q The top of the Montoya was 7,056?

A Yes, sir.

Q And where would you say the bottom of the Montoya was, would that be the top of the Simpson shale or something above that?

A I would say that, yes, sir.

Q So the bottom of the Montoya would be at 7400 and the top of the McKee at 7782?

A Yes, sir.

Q What type of crude is produced from the Montoya?

A It's sweet crude.

Q And the McKee?

A Yes, sir.

Q The same?



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A Yes.

Q Do you have any pressure information on these two zones?

A No, sir, we anticipate running pressures and a packer leakage test if and when an allowable is granted for the Montoya.

Q Do you have any D.S.T. pressures?

A No.

Q You have no idea what the pressure would be?

A No, sir.

Q Now the type of production, did both zones produce approximately the same quantity of water?

A On these tests that I have here, there was no water produced.

Q No water on either one?

A No.

Q What was your production on the Montoya?

A 360 barrels of oil, 24 hours.

Q 265 on the McKee?

A Yes, sir.

Q The McKee is actually within the boundaries of the North Justis-McKee Pool at the present time, is it not?

A Yes, sir.

Q How close is the nearest Montoya production?

A We have, that I know of, several wells in the Montoya in the Justis Pool.

Q That would be to the south?



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A Yes, sir.

Q Approximately how far would you say?

A I'd say three or four miles.

Q Do you have any opinion as to whether there's any horizontal communication between this Montoya completion and the Justis-Montoya?

A No, sir, I don't.

Q You have no correlation between this area across this three or four miles?

A Personally, I feel that it communicates.

Q Let's run over your cementing program here. Your surface casing is cemented to the surface?

A Yes.

Q Your 9-5/8 is circulated?

A Yes, sir.

Q And your 7-inch top of the cement is at 2300, is that correct?

A Yes, sir.

Q So the bottom of your 9-5/8 is 2275, so you would only have 25 feet of open hole behind the casing?

A Yes, sir, that's correct.

Q Are there any producing zones within this 25-foot area?

A There are from wells to the west, there are, approximately thirty-three, thirty-six hundred feet.

Q But this is cemented above that zone?



A Yes, sir.

Q No fresh water in this 25-foot open hole area?

A No, sir, not that I know of.

MR. UTZ: Are there other questions of the witness?

MR. MORRIS: Yes.

MR. UTZ: Mr. Morris.

BY MR. MORRIS:

Q Mr. Coleman, in your opening remarks you stated that this was the first dual completion in these two zones in the area. Are there other multiple completions, triples or quadruples with these two zones present in this immediate area?

A Not to my knowledge. There's some McKee production in the Texaco well.

Q Which also has Montoya production?

A I believe there's Fusselman. I'm not to be quoted on that as being definite.

Q How close is the nearest production in the North Justice McKee Pool, what is the nearest well actually producing from the McKee?

A The one that I'm familiar with is Texaco's production over in their Erwin Lease, which is approximately a half a mile from there.

Q A half mile in which direction?

A If I may show you.

Q If you would, please. I see, and Texaco's well is a



dual completion there?

A Well, there is anywhere from two to five, some of their wells.

Q All right. Thank you.

MR. UTZ: There would have to be some closer production than that to the McKee since we only have designated at the present time the West Half of Section 1 and the Northeast Quarter of Section 2; the Texaco well is north of this area that you speak of, isn't it?

A Yes.

MR. UTZ: So there would have to be some other McKee production within the boundaries of the pool?

A Quite possibly Amerada would have some, and some other operators there.

MR. UTZ: Are there other questions? The witness may be excused.

(Witness excused.)

MR. UTZ: Are there any statements in this case? The case will be taken under advisement.

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STATE OF NEW MEXICO     )  
                                  ) ss  
COUNTY OF BERNALILLO    )

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision, and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

DATED this 9th day of June, 1962, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Ada Dearnley*  
NOTARY PUBLIC

My Commission Expires:  
June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2537, heard by me on *May 23*, 1962.

*Thurston W. ...*, Examiner  
New Mexico Oil Conservation Commission

