

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
October 4, 1956

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IN THE MATTER OF:	*
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CASE NO. 1158	*
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TRANSCRIPT OF PROCEEDINGS

NEW MEXICO OIL CONSERVATION COMMISSION  
 MABRY HALL - STATE CAPITOL  
 SANTA FE, NEW MEXICO

REGISTER

HEARING DATE October 4, 1956 TIME: 9:00 a.m.

NAME:	REPRESENTING:	LOCATION
Jack M Campbell	Gulf Oil Corporation	Roswell NM
H. J. Ruttman	Enterprise Oils, Inc.	Santa Fe, N.M.
Ernest A. [unclear]	G. Mott & C. C.	Santa Fe.
A. J. Betts	White Eagle Oil Co.	Midland, Tex.
Wallace Cooper	White Eagle Oil Co.	Midland, Texas
Ernest W. Bain	Enterprise Oil Co.	Artesia N.M.
Norman M. Rhee	State Lands Office	Santa Fe
Don Walker	Gulf Oil Corp.	D.A. Worth, Inc.

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
OCTOBER 4, 1956

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IN THE MATTER OF:

In the matter of the application of Gulf Oil Corporation for an order granting an exception to Rule 5 (a) of the Special Rules and Regulations for the Eumont Gas Pool as set forth in Order R-520 in the establishment of a 240-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order granting approval of a 240-acre non-standard gas proration unit comprising the NW/4 of Section 6, Township 22 South, Range 37 East, and the N/2 NE/4 of Section 1, Township 22 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico; said unit to be assigned to applicant's H. T. Mattern "D" Well No. 7 located 660 feet from the North line and 660 feet from the West line of said Section 6.

CASE NO. 1158

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BEFORE:

Dan S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: The hearing will come to order. The first case on the docket this morning will be Case No. 1158.

MR. GURLEY: Case 1158, the application of Gulf Oil Corporation for an order granting exception to Rule 5 (a) of the Special Rules and Regulations of the Eumont Gas Pool as set forth in Order R-520 for the establishment of a 240-acre non-standard gas proration unit.

MR. CAMPBELL: Mr. Examiner, I am Jack M. Campbell of Campbell and Russell, Roswell, New Mexico, appearing on behalf of the applicant, Gulf Oil Corporation. We have one witness, Mr. Don Walker to be sworn.

DON WALKER

called as a witness, having first been duly sworn, testified as follows;

By Mr. Campbell:

Q. Will you state your name Please?

A. Don Walker.

Q. By whom are you employed, Mr. Walker?

A. Gulf Oil Corporation.

Q. In what capacity?

A. I am the Division Proration Engineer.

Q. Have you testified previously before this Commission in your professional capacity?

A. Yes, sir, many times.

Q. Are the qualifications of the witness acceptable to the Commission?

EXAMINER NUTTER: They are.

Q. Mr. Walker, are you acquainted with the application of Gulf Oil Corporation in Case No. 1158 before the Oil Conservation Commission of New Mexico?

A. Yes, sir.

Q. I hand you what has been indentified as Gulf's Exhibit No. 1 in Case 1158 and ask you to state what that is.

A. This plat is a structure map contoured on top of the Queen formation with a contour interval of 50 feet and also shown on the plat is Gulf's proposed 240-acre H. T. Mattern unit which we propose to attribute to Well No. 7 "D" No. 7, located 660 feet from the North line and 660 feet from the West line of Section 6, Township 22 South, Range 37 East. In addition we have shown other Eumont gas units in the area which have been approved by the Commission.

Q. Mr. Walker, is Gulf Oil Corporation the owner of the entire leasehold interest under the proposed gas unit?

A. Yes, sir.

Q. Is the royalty ownership under the entire proposed gas unit common?

A. Yes, sir, both the Mattern "D" and "F" leases are fee land and they do have common royalty ownership.

Q. I hand you what has been indentified as Gulf's Exhibit No. 2 in Case No. 1158 and ask you to state what that is, please.

A. This Exhibit No. 2 is a radio-active log on Gulf's H. T. Mattern "D" Well No. 7 and we have shown on this log the top of the Rusler formation, the top of the Yates, the top of the Seven Rivers, Queen, Penrose, and Grayburg. In addition, this is a dually completed well and we have shown the perforated interval in the Queen zone of the Eumont Gas Pool. Also we have shown the perforated intervals in the Grayburg zone as our oil producing zone in the Arrowhead Oil Pool.

Q. Referring to Exhibit 2, if necessary, will you please give the Examiner a brief completion data history on this proposed gas unit well.

A. Gulf's H. T. Mattern "D" No. 7 was drilled as a dual in the Arrowhead and Eumont Gas Pools and was completed on July 13th of this year. It had a total depth of 3,790 feet. The 5½ inch casing which was cemented at a total depth with 1315 sacks was perforated in the Queen zone of the Eumont Gas Pool in the intervals 3428 to 3465 and 3480 to 3525 feet. The Grayburg zone of the Arrowhead Oil Pool had been perforated from 3712 to 3736 and 3758 to 3786.

Q. Has this well ever produced gas from the Eumont Gas Pool into the gas line?

A. Only on an initial test and that wasn't connected. It was completed in the gas zone on July 13th, that was the date of the Oil Conservation Commission test and it has not produced into the line, it has been shut-in since that time.

Q. What were the results of that test insofar as the gas potential of this well is concerned?

A. This well produced 4510 MCF at 425-pound back pressure and it had an estimated open flow potential of 6,000 MCF or 6,000,000 feet a day.

Q. Did it produce any fluid?

A. No, sir.

Q. Mr. Walker, in your opinion, based upon your knowledge of this well and the proposed gas unit, can all of the proposed 240-acre non-standard unit reasonably be assumed to be productive of gas in the Eumont Gas Pool?

A. Yes, sir.

Q. Do you believe that if this application is granted it will protect the correlative rights of the operators in this area and of Gulf Oil Corporation?

A. Yes, sir.

MR. CAMPBELL: That is all of the questions I have.

EXAMINER NUTTER: Does anyone have a question of the witness?

MR. GURLEY: Did you notify all of the offset operators?

A. In my application to the Commission which was dated September 5th, we list twelve offset operators that we notified and I believe that that was all of them.

MR. GURLEY: Did you receive any objection from any of the operators so notified?

A. None.

EXAMINER NUTTER: Any other questions of the witness?

MR. UTZ: Yes, I have a question. Did you state where the separation packer was set in this dual?

A. I don't believe I did.

MR. UTZ: I don't seem to be able to find that information in the well file either. That is information that you can furnish, isn't it?

A. I certainly can.

MR. UTZ: If you would furnish us with that information for the record, we would appreciate it.

A. I will sure do it.

MR. UTZ: I believe you stated, Mr. Walker, that when you took the absolute open flow test on this well in the Eumont Queen zone, that it did not produce any liquids.

A. That is the information I have, yes, sir.

MR. UTZ: In your opinion, and in view of the fact that the Penrose Pruitt No. 2 in the SW/4 SE/4 of Section 31, 21 South, 37 East, is a Eumont oil well and also the Zachery Downs No. 3 in the NW/4 NE/4 in Section 6, 22 South, 37 East, is also a Eumont oil well, in your opinion what do you believe the possibilities of the Queen going to oil on your Mattern No. 7?

A. From the information that I have been able to gather on those two wells. Our Well No. 7 is completed in the same interval and those two wells are down in producing capacity to around 300 barrels a month or approximately 10 barrels a day and it is my opinion that rather than Gulf's wells going to oil, those wells will go to gas. Apparently, that is a local condition there and they are getting a little oil now, but it probably won't be very permanent.

MR. UTZ: In other words the possibility of this dual becoming an oil-oil dual is remote, in your opinion?

A. Very, very remote.

MR. UTZ: That is all I have.

MR. GURLEY: I have one more question. This is two separate leases, is that correct?

A. I believe that they have the same basic lease number, Mr. Gurley, but they do have an "F" and "D", we call them an NCT number, and I can't explain why they have been given different numbers. I believe it is more of an accounting system within the Gulf Company than anything else. In my division the people tell me that the royalty ownership between the two are the same.

MR. GURLEY: The royalty interest is the same?

A. That is what I have been told.

MR. GURLEY: Now, on your application here you state that the above described 240-acre comprises a portion of the H. T. Mattern "D" lease and "F" leases, but I don't think you set out just which is which.

A. Alright, let me clarify that just a bit. In the E/2 of Section 6 of Township 22 South, Range 37 East, the NW/4 is the portion of the Mattern "D" lease. Also part of that "D" lease is the E/2 of the SW/4 and also the NW/4 of Section 7, just below that. Actually it includes all of the "F" lease and a portion of the "D" lease.

EXAMINER NUTTER: Mr. Walker, this Mattern Well No. 1 located in the NW/4 of the NE/4 of Section 1, what interval is that well completed in?

A. That is the Grayburg producer in the Arrowhead Oil Pool.

EXAMINER NUTTER: Anyone have any further questions of the witness?

MR. WALKER: I have one other statement here, our well was connected with the Permian Basin Pipeline Company's gathering system on August 31, and is right now closed in pending the approval of this unit.

EXAMINER NUTTER: It has a connection but it is not producing.

A. That is correct. We have already on file a C-110 and C-104 for this 240-acre unit.

EXAMINER NUTTER: Have you made any application for any other unit for this well?

A. No, sir. We apparently inadvertently failed to claim our 160 during this time.

EXAMINER NUTTER: So this will be the first proration unit assigned to this well?

MR. UTZ: That was connected August the 31st?

MR. WALKER: Yes, sir.

EXAMINER NUTTER: Anyone have any further questions? Does anyone have any statements they wish to make in this case.

MR. CAMPBELL: I would like to offer in evidence applicant's Exhibits 1 and 2 in Case No. 1158.

EXAMINER NUTTER: Without objection Gulf's Exhibits No. 1 and 2 in Case No. 1158



If there are no further questions the witness may be exc used, and no further statements, we will take the case under advisement.

STATE OF NEW MEXICO )

COUNTY OF SANTA FE    )    ss

I, Doris Arnold, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Commission Examiner at Santa Fe, New Mexico, is a true and correct record, to the best of my knowledge, skill, and ability.

Dated at Santa Fe, New Mexico on this 11th day of October, 1956.

Doris Arnold

OR  
WMM  
10/4/56

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 10-4-56

CASE 1158

Hearing Date 10-4-56

My recommendations for an order in the above numbered cases are as follows:

That the unit be approved as an <sup>290 Ac.</sup> gas unit  
in the ~~Eumont~~ ~~Queen~~ Gas Pool.


We should find:

(1) That the Half-Section D<sup>#7</sup>, NWNW  
6-22S-37E is a dual completion authorized  
by Order DC-280.

(2) That the upper zone is completed  
in the Queen formation which limits of the Eumont  
in the vertical limits of the Eumont  
~~Queen~~ - Gas Pool and the Lower zone  
is completed in the ~~Queen~~ formation  
~~King Oil Pool~~ ~~King Oil Pool~~.

(3) Conclusive rights & etc. will be  
protected.

(4) That testimony adduced indicates  
that this well will produce dry  
Gas from the ~~Queen~~ zone of the E.A.P.  
~~Eumont~~.

  
Staff Member