CARE 2196: Application of GULF OIL ME portion to commingle the Production from two separate pools. (Ollin 1. Mayd Least.)

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DOCKET: EXAMINER HEARING - THURSDAY, FEBRUARY 23, 1961

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

The following cases will be heard before Elvis A. Utz, Examiner, or Oliver E. Payne, attorney, as alternate examiner:

CASE 2193:

Application of Newmont Oil Company for two unorthodox oil well locations and for one unorthodox location for an injection well. Applicant, in the above-styled cause, seeks approval for two unorthodox oil well locations, and for one unorthodox water injection well location in the Loco Hills Waterflood Project, Eddy County, New Mexico. The proposed locations for the producing wells and injection well are respectively as follows:

Yates A No. 14 Well, 1980 feet from the North line and 1310 feet from the East line of Section 6, Township 18 South, Range 30 East.

Brigham No. 5 Well, 1320 feet from the South line and 990 feet from the East line of Section 31, Township 17 South, Range 30 East.

Brigham No. 4 Well, 1320 feet from the South line and 5 feet from the East line of Section 31, Township 17 South, Range 30 East.

CASE 2187:

Application of Continental Oil Company for a 400-acre nonstandard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of a 400-acre non-standard gas proration unit in the Eumont Gas Pool comprising the $\frac{W}{2}$ $\frac{W}{2}$ of Section 26, the $\frac{E}{2}$ $\frac{E}{2}$ of Section 27, and the $\frac{E}{2}$ $\frac{SE}{4}$ of Section 22, all in Township 20 South, Range 37 East, Lea County, New Mexico. Said unit is to be dedicated to the SEMU Eumont Well No. 65, located 2363 feet from the South line and 0 feet from the West line of said Section 26.

CASE 2188:

Application of Continental Oil Company for an exception to Rule 26 (a) of Order No. R-1670. Applicant, in the abovestyled cause, seeks an exception to Rule 26 (a) of Order No. R-1670 for the reclassification to a Tubb gas well of its State 10 Well No. 3-D, located 990 feet from the North line and 840 feet from the West line of Section 10, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

6-61

-2-Docket No. 6-61

CASE 2189:

Application of Continental Oil Company for two non-standard gas proration units. Applicant, in the above-styled cause, seeks the establishment of two non-standard gas proration units in the Eumont Gas Pool, Lea County, New Mexico, the first being a 480-acre unit consisting of the S/2 and NE/4 of Section 24 to be dedicated to the SEMU Eumont Well No. 67 located 1980 feet from the South and West lines of said Section 24 and the second being a 280-acre unit consisting of the NW/4 of said Section 24 and the S/2 and NW/4 SW/4 of Section 13 to be dedicated to the SEMU Eumont Well No. 69, located 1980 feet from the North and West lines of Section 24, all in Township 20 South, Range 37 East.

CASE 2190:

Application of Continental Oil Company for a 560-acre nonstandard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of a 560-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the W/2 of Section 14, the E/2 E/2 of Section 15 and the E/2NE/4 of Section 22, Township 20 South, Range 37 East, Lea County, New Mexico. Said unit is to be dedicated to the SEMU Eumont Well No. 66, located 1980 feet from the South line and 660 feet from the West line of said Section 14.

CASE 2191:

Application of Continental Oil Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to install an automatic custody transfer system to handle the Empire-Abo Pool production from all wells presently completed or hereafter drilled on its State S-30 lease comprising in pertinent part the NW/4 and NW/4 SW/4 of Section 30, Township 17 South, Range 29 East, Eddy County, New Mexico.

CASE 2192:

Application of Amerada Petroleum Corporation for permission to commingle the production from two separate leases. Applicant, in the above-styled cause, seeks permission to commingle the Blinebry Oil Pool production from all wells presently completed or hereafter drilled on its State "D" lease, consisting of the NW/4 and its State "H" lease, consisting of the W/2 SE/4, both in Section 1, Township 20 South, Range 36 East, Lea County, New Mexico.

CASE 2194:

Application of Sunray Mid-Continent Oil Company for an oiloil dual completion utilizing two strings of casing.

Docket No. 6-61

-3-

CASE 2194: (Cont.)

Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its State "Y" Well No. 2, located in Unit A, Section 32, Township 18 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from the Culwin-Yates Pool and the production of oil from the North Shugart Queen-Grayburg Pool through parallel strings of 2 7/8-inch casing cemented in a common well bore.

CASE 2195:

Application of Gulf Oil Corporation for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to install an automatic custody transfer system to handle the production from an undesignated Abo pool from all wells presently completed or hereafter drilled on the Lea-State "LB" Lease comprising the NW/4, N/2 SW/4 and SW/4 SW/4 of Section 20, Township 17 South, Range 36 East, Lea County, New Mexico.

CASE 2196: Application of Gulf Oil Corporation for permission to commingle the production from two separate pools. Applicant, in the above-styled cause, seeks permission to commingle, without separate metering, the production from the Drinkard and Langlie-Mattix Pools from all wells presently completed or hereafter drilled on the Ollie I. Boyd Lease, comprising the S/2 SW/4, NE/4 SW/4 and SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, Lea County, New Mexico.

CASE 2197: Application of Tennessee Gas and Oil Company for the promulgation of temporary special rules and regulations governing the Totah-Gallup Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order promulgating temporary special rules and regulations governing the Totah-Gallup Pool, San Juan County, New Mexico, including a provision for 80-acre proration units.

CASE 2198: Application of H. S. Moss for permission to commingle the production from three separate pools and for an automatic custody transfer system. Applicant, in the above-styled cause, seeks permission to commingle the production from the Southwest Gladiola-Wolfcamp Pool, the Southwest Gladiola-Devonian Pool and an undesignated Pennsylvanian Pool from all wells presently completed or hereafter drilled on its D. P. Peck Lease comprising the W/2 of Section 26, Township 12 South Range 37 East, Lea County, New Mexico. -4-Docket No. 6-61

CASE 2198: (Cont.)

Applicant further seeks permission to install an automatic custody transfer system to handle said commingled production.

Care 2196

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ROSWELL PRODUCTION DISTRICT

P. O. Drawer 669 11 Unit . 11 2 Rogwell, New Mexico

Application for Permission to Commingle

January 19, 1961

W. A. Shellshear DISTRICT MANAGE F. O. Mortlock DISTRICT EXPLOR MANAGER RATION MANAGER M. 1. Taylor DISTRICT PRODUCTION MANAGER H. C. VIVIAN DISTRICT SERVICES MANAGER

> Without Metering, the Oil Produced From the Drinkard and Langlie-Mattix Pools Underlying Gulf's Ollie I. Boyd Lease Covering the S/2 SW/4, NE/4 SW/4 and Oil Conservation Commission the SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, Lea County, New Mexico

Gentlemen:

State of New Mexico Post Office Box 871

Santa Fe, New Mexico

Gulf Oil Corporation respectfully submits application for approval to commingle the Drinkard and Langlie-Mattix oil production underlying the subject lease, in exception to NMOCC's Rule 303 which prohibits the commingling of oil between pools unless separately measured before commingling. In support of this application, Gulf Oil Corporation states the following:

- (1) Applicant is owner and operator of the Ollie I. Boyd Lease covering the S/2 SW/4, NE/4 SW/4 and the SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, Lea County, New Mexico.
- (2) There is no diversity of royalty ownership underlying the above described lease.
- Applicant proposes to commingle the Drinkard and Langlie-(3) Mattix oil production without metering.
- (4) The Drinkard and Langlie-Mattix wells on the subject lease are marginal producers.
- The proposed installation will have adequate facilities for (5) making all required tests and will result in efficient accounting of crude oil transferred to the pipe line gathering system.
- (6) The granting of this application is in the interest of conservation and will protect correlative rights.



Oil Conservation Commission

January 19, 1961

(?) By copy of this application, all offset operators and the pipe line concerned are notified of this application.

Gulf Oil Corporation respectfully requests that this matter be set for hearing at an early date.

-2-

Respectfully submitted,

GULF OIL CORPORATION

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W. A. Shellshear District Manager

JHH:sz

cc: Oil Conservation Commission Post Office Box 2045 Hobbs, New Mexico

> Amerada Petroleum Corporation Post Office Box 2040 Tulsa, Oklahoma

Skelly Oil Company Post Office Box 38 Hobbs, New Mexico

Anderson-Pritchard Oil Corporation Post Office Box 1859 Midland, Texas

Sinclair Oil & Gas Company 520 East Breadway Hobbs, New Mexico

Samedan Oil Corporation Post Office Box 2137 Hobbs, New Mexico

Oisen Oils, Inc. 2808 Liberty Bank Building Oklahoma City, Oklahoma

Shell Pipe Line Corporation Post Office Box 1509 Midland, Texas

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LEASE PLAT O. I. BOYD LEASE LEA COUNTY, NEW MEXICO

- LEGEND -

Pertinent Gulf Lease

DRAFT

OEP/esr March 1, 1961

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. 2196 Order No. R-

APPLICATION OF GULF OIL CORPORATION FOR PERMISSION TO COMMINGLE THE PRODUCTION FROM TWO SEPARATE POOLS, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 23, 1961, at Santa Fe, New Mexico, before <u>Elvis A. Utz</u> Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this day of <u>March</u>, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, <u>Elvis A. Utz</u>, 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, Gulf Oil Corporation, is the owner and operator of the Ollie I. Boyd Lease, comprising the S/2 SW/4, NE/4 SW/4 and SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to commingle the oil production from the Drinkard and Langlie-Mattix Pools from all wells presently completed or hereafter drilled on the above-described Ollie I. Boyd Lease without separately metering the production from each pool.

(4) That all wells from which the production is proposed to be commingled are low marginal wells.

(5) That the ownership of the above-described lease is common at all depths.

-2-CASE No. 2196

(6) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Gulf Oil Corporation, be and the same is hereby authorized to commingle the oil produced from the Drinkard and Langlie-Mattix Pools from all wells presently completed or hereafter drilled on the Ollie I. Boyd Lease comprising the S/2 SW/4, NE/4 SW/4 and SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, without separately fetering the production from each pool.

PROVIDED HOWEVER, That the applicant shall notify the Commission's Santa Fe Office in the event any Drinkard or Langlie-Mattix well on said Ollie I. Boyd Lease becomes capable of making top unit allowable, at which time this case will be reopened.

PROVIDED FURTHER, That the applicant shall install adequate facilities to permit the testing of all wells on the said Ollie I. Boyd Lease at least once each month to determine the individual production from each well.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated. GOVERNON EDWIN L. MECHEM CHAIRMAN

State of New Wexico O il Conservation Commission

LAND COMMISSION EN E. S. JOHNNY WALKER MEMBER



March 7, 1961

STATE GEOLOGIST A. L. PORTER, JR. Secretary - Director

Mr. M. I. Taylor Gulf Oil Corporation Box 669 Roswell, New Mexico

Re: Case No. 2196 Order No. <u>R-1893</u> Applicant:

Gulf Oil Corporation

Dear Sir:

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

Very truly yours, ale L. PORTER, Jr. Secretary-Director

ir/

Carbon copy of order also sent to:

SALLANCE AND

Hobbs OCC Artesia OC Aztec OCC

OTHER

BRFORE THE OIL CONSERVATION CONMISSION OF THE STATE OF NEW NEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION CONDISSION OF NEW NEXICO FOR THE PURPORE OF CONSIDERING:

> CASE No. 2196 Order No. R-1893

APPLICATION OF GULF OIL CORPORATION FOR PRIMILATION TO COMMINGLE THE PRODUCTION FROM TWO SEPARATE POOLS, LEA COUNTY NEW MEXICO.

CROKE OF THE COMMINDION

IT THE COMPRESSON:

This cause came on for bearing at 9 o'clock A.m. on Pebruary 23, 1961, at Sents Fe, New Maxico, before Rivis A. Uts, Reminer duly appointed by the Oil Conservation Coumission of New Mexico, hereinsforr referred to as the "Coumission," in accordance with hule 1214 of the Coumission Rules and Regulations.

NOW, on this <u>3rd</u> day of Nursh, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommondations of the Resainer, Elvis A. Uks, and being fully advised in the premises,

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

(2) That the applicant, Gulf Oil Corporation, is the owner and opmentor of the Ollie I. Boyd Lense, comprising the 5/2 59/4, ME/4 SW/4 and SW/4 SE/4 of Section 23, Township 22 South, Range 37 East, MEMI, Les County, New Mexico.

(3) That the applicant proposes to commingle the oil production from the Brinhard and Langlis-Mattix Pools from all wells presently completed or hereafter drilled on the above-described Ollie I. Boyd Lense without segmentaly metering the production from each pool.

(4) That all wells from which the production is proposed to be commingled are low marginal wells.

(5) That the ownership of the above-described lease is common at all depths.

(6) That approval of the subject application will meither cause waste nor impair correlative rights.

-2-CASE No. 2196 Order No. R-1893

IT IS THEREFORE ORDERED:

That the applicant, Gulf Oil Corporation, be and the same is hereby authorized to commingle the oil produced from the Drinkard and Langlie-Mattix Pools from all wells presently completed or hereafter drilled on the Ollie I. Boyd Lease comprising the 5/2 SW/4, ME/4 SW/4 and SW/4 SE/4 of Section 23, Township 22 South, Range 37 Hast, EMPH, Lea County, New Maxico, without separately metering the production from each pool.

<u>PROVISED HOMEVER</u>. That the applicant shall notify the Conmission's Santa 70 Office in the event any Drinhard or Langlio-Mattix well on said Ollie I. Doyd Leese becomes capable of making top unit allowable, at which time this ense will be reopened.

<u>PROVIDED FORTUGA</u>. That the applicant shall install adoptate facilities to permit the testing of all wells on the said Ollie I. Boyd Lease at least once each month to determine the individual production from each well.

DOME at Santa Fe, New Maxico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL COMMENSATION COMMISSION

REWIN L. MECHEN, Chairman

Secondan

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A. L. PORTER, Jr., Momber & Socretary



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LEASE PLAT OLLIE I. BOYD LEASE LEA COUNTY, NEW MEXICO

- LEGEND -

Pertinent Gulf Lease

Gulf Oil Corporation

February 23, 1961

CASE NO. 2196 EXHIBIT NO. 1

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pools.				
			(Witness	sworn in
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	FRANĄ	LIN BRIDGES,		
called as a	witness, having	been previous	ly duly sworn, to	estified
as follows:				
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	DIREC	TEXAMINATION	1	

BY MR.	KASTLER:
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9 Mill you state your name, address, employer and position, please?

A My name is Franklin Bridges, and I work for Gulf Oil at Hobbs, New Mexico as a Petroleum Engineer.

Q Are you familiar with Case Number 2196?

A Yes sir.

Q I wish to call your attention to Exhibit Number 1 in Case Number 2196 which is identified as a Leased Plat. Referring to this Exhibit, would you please give the description and location of Gulf's Boyd lease?

A Yes sir, Gulf's Ollie Boyd lease, which is outlined in red covers the South Half of the Southwest Quarter, the Northeast Quarter of the Southwest Quarter, and the Southwest Quarter of the Southeast Quarter of Section 23, Township 22 South, Range 37 East, Lea County, New Mexico.

Is that assigned the lease with common royalty and ownership?

A Yes sir.

And no divestity of ownership within the lease boundary?
A No sir.

Will you please give the status of oil producing wells located on this lease?

A Our No. 1 Well is a Langlie-Mattix, a large oil producer. Our No. 2 and No. 3 Well are both dual, and a Drinkard and the Bline-



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As to the Drinkard production in No. 2 and No. 3, is the status of those wells the top allowable wells or marginal producers?

A Marginal producers -- they made six and seven barrels, respectively.

Q What is the daily production of Well No. 1?

A Fourteen barrels a day at the latest test.

• Then all three of these wells are marginal producers at the present time?

A Yes sir.

Q I now call your attention to Exhibit Number 2, which is a production flow diagram of the Ollie Boyd tank battery. Would you please trace the flow from the wells to the production facilities?

A Yes sir, all this equipment shown on this diagram is the existing Drinkard production equipment. If permission is granted to commingle, then we would use this identical equipment for the marginal producers from these two pools. The production would come into the Production Separator, go through a Heater, and the water would be knocked out in the high barrel knock-out tank and on to one of two stock tanks which would be running to the pipeline conventionally.

A test Separator, and by use of the Test Separator and

Q What test facilities does Gulf have?

Header, any could be tested to the stock tank. Are these facilities adequate in your opinion? Yes sir. А Will there be an economic savings involved in the grant-Ω ing of this application? 3 Inc. Yes sir, it would save us approximately \$8,000.00 to Α put in an additional tank battery to handle this Langlie-Mattix solely. Why is separate metering not considered necessary in this 0 case? The wells are making so little, they are marginal, and Α we did not feel it would justify the meter economically. That is, each well produces less than its allowable? Q Well, they make approximately their allowable, but they A do not make near top allowable. Q Are the wells pumping or flowing?

DEARNLEY-MEIER REPORTING SERVICE,

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ALBUQUERQUE,

The Langlie-Mattix Wells are pumping, and the Drinkard А Well is flowing.

What is the gravity of the Drinkard, and what are the <u>ل</u> gravities of the Langlie-Mattix oil wells No's. 2 and 3?

A The Drinkard oil is approximately 30.

Q I'm afraid I confused you. The Drinkard, as produced in wells 2 and 3?

Yes, the gravity of the Drinkard is approximately 37 А degrees, and the gravity of the Langlie-Mattix as produced from the

PAGE 4

No. 1 Well is approximately 33 degrees. Does any loss result by the proposed commingling -- any loss in gravity? No sir, as near as I can calibrate, the revenue from the A 2-6691 commingled crudes would be the same as the revenue from the indi-Đ vidual crudes sold separately. Would you care to briefly go into that further to illu-Q strate what you mean? Well, the Langlie-Mattix crude of 33 gravity would be А bringing \$2.74 a barrel, and 14 barrels a day, we would realize \$37.20 a day. The two Drinkards make a total of 13 barrels at \$2.96 a barrel, so that would be \$28.40 or a total of \$16.60 and a total of commingled crudes would be approximately \$2,58 or .80 a barrel, which would give you the same \$2.60 a day. DEARNLEY-MEIER Would that prevent waste and correlative rights? Yes sir. A Mere Exhibits 1 and 2 prepared under your supervision? 0 Yes sir. Δ MEXICO MR. KASTLER: I would like to move that Exhibits 1 and MEV 2 be admitted into evidence. ALBUQUERQUE, MR. UTZ: Exhibits 1 and 2 will be entered into the record. CROSS EXAMINATION

BY MR. UTZ:

Inc.

REPORTING SERVICE.

Mr. Bridges, where are the tanks now located for the

Langlie-Mattix?

We have a test tank at the well, and that oil is now Δ being trucked. It's located at the No. 1 Well.

Where is your Drinkard tank located? Q.

I can only give you the approximate location; it's just - A south of Well No. 3.

If you commingle these, you intend to run the Langlie-Q Mattix into the commingling tank?

Yes sir, we would like to commingle at the hand of the Α Separator.

Can you explain to me why it would cost \$8,000 to meter C the Langlie-Mattix?

It won't cost to meter -- I mean, to say it would cost A approximately \$8,000 to put in another tank battery.

Q. You could meter through displacement.

Д Yes sir, we have to put in a meter and separate treating system by just metering one side, approximately \$3,000.

You would be willing to test these wells every 30 days? \odot Yes sir. А

MR. UTZ: Any other questions of the witness?

CROSS EXAMINATION

BY MR. PAYNE:

Mr. Bridges, you testified that all of the sub-wells are 0 marginal; approximately what do they make?

The No. 1 Well in the Ianglie-Mattix made 14 barrels of



Inc. DEARNLEY-MEIER REPORTING SERVICE,

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oil per day; No. 2 in the Drinkard makes six barrels of oil a day; and, No. 3 in the Drinkard, seven barrels of oil per day.

Does Gulf Oil Corporation plan any further Langlic-0 Mattix or Drinkard production on this lease?

Α No sir, not at this time.

() Do you have any present plans to rework any of these three existing wells?

No sir. A

Ω But if you did get further Langlie-Mattix, or if you reworked these wells and they bacame capable of production to top allowable, would you then meter the production from each pool?

A Yes sir-

As I understand it, the only two pools are the Langlie-Q Mattix and the Drinkard even though you have Blinebry and Tubb production on this lease also?

A Yes sir.

MR. KASTIER: Would you outline the workover that was made, I believe, in Well No. 1?

MR. BRIDGES: Yes sir, Well No. 1 recently completed as a Langlie-Mattix oil producer, and then in 1958, it was deepened to the Drinkard and in December of 1960, it was repleted again in the langlie-Mattix.

MR. KASTLER: The Drinkard production then was unsuccessful?

MR_BRIDGES: That is correct



DEARNLEY-MEIER REPORTING SERVICE, Inc.

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PAGE MR. KASTLER: That is all. MR. UTZ: Any other questions? The witness may be excused. (Mitness excused.) MR. UTZ: Any other statements in this case? The case 3 will be taken under advisement. This hearing is adjourned until 1:30 o'clock. DEARNLEY-MEIER REPORTING SERVICE, (Whereupon, the hearing was adjourned until 1:30 o'clock.) MR. UTZ: Call the hearing to order again. Case 2197. MR. PAYNE: Mr. Examiner, inasmuch as Case 2197 was heard at the last regular Commission Hearing, I move that that case be dismissed. MR. UTZ: Without objection, it will be dismissed. (Whereupon, the hearing was adjourned until 1:30 o'clock P. M.) STATE OF NEW MEXICO SS COUNTY OF BERNALILLO) I, LA VERNE E. JAMES, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before MEXICO NIN the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and S. S. C. C. Carden ability. North a stantaer Nor Mest IN WINNESS WHEREOF I have affixed my hand and notarial day of March, 1961. seal this My commission expires: ame January 6, 1965. Court Reporter