

CASE #187: Application of CONTINENTAL
for a non-standard non-
ration unit. (SNU Report Unit 100).

Case No.

2187

Application, Transcript,
Small Exhibits, Etc.

2187

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Emmont Formation Gusset County Lea
 Initial Annual Special X Date of Test 1-29-61
 Company Continental Oil Company Lease 3124 Emont Well No. 65
 Unit L Sec. 26 Twp. 20S Rge. 37E Purchaser E.F.N.C.
 Casing 8 1/2 Wt. 32.0 I.D. Set at 2815 Perf. To
 Tubing None Wt. I.D. Set at Perf. To To
 Gas Pay: From 3527 To 3670 L 2815 xG 674 -GL 1897 Bar.Press. 13.2
 Producing Thru: Casing X Tubing Single Type Well Single
 Date of Completion: 8-7-55 Packer None Single-Bradenhead-G. G. 90 G.O. Dual
 Reservoir Temp. 90

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps Flange

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI								
1.	4	1.000	627	9.00	59	755		72
2.	4	1.000	625	10.89	60	666		24
3.	4	1.000	627	11.76	62	644		24
4.	4	1.000	627	18.47	59	643		24
5.								

FLOW CALCULATIONS

No.	Coefficient	Pressure	Flow Temp. Factor	Gravity Factor	Compress. Factor	Rate of Flow Q-MCFPD @ 15.025 psia

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Permian Formation Gusman County Lea
 Initial Annual Special X Date of Test 1-29-61
 Company Continental Oil Company Lease SIEM Duront Well No. 65
 Unit L Sec. 26 Twp. 20S Rge. 37E Purchaser B.P.N.G.
 Casing 8 1/2 Wt. 32.0 I.D. Set at 2315 Perf. To
 Tubing None Wt. I.D. Set at Perf. To
 Gas Pay: From 3527 To 3670 L 2815 xG .674 -GL 1897 Bar.Press. 13.2
 Producing Thru: Casing X Tubing Type Well Single
 Date of Completion: 8-7-55 Packer None Single-Bradenhead-G. G. 90 G.O. Dual
 Reservoir Temp. 90

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								755		72
1.	4	1.000	617	9.00	59			668		24
2.	4	1.000	613	10.89	63			614		24
3.	4	1.000	627	11.56	62			613		24
4.	4	1.000	587	18.49	59			634		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	6.135	75.31		1.0010	.9427	1.060	471
2.	6.135	84.59		.9952	.9427	1.078	525
3.	6.135	86.03		.9981	.9427	1.074	533
4.	6.135	105.35		1.0010	.9427	1.076	656
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio — cf/bbl.
 Gravity of Liquid Hydrocarbons — deg.
 P_c 2774 $(1-e^{-s})$ 0.121

Specific Gravity Separator Gas —
 Specific Gravity Flowing Fluid —
 P_c 768.2 P_c^2 590.1

No.	P_t (psia)	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$	Cal. P_w	P_w
1.	668.2	444.0	.02	.0002	—	444.0	126.1	—	.69
2.	657.2	431.9	.15	.02	—	431.9	158.2	—	.86
3.	658.2	433.2	.15	.02	—	433.2	156.9	—	.86
4.	617.2	418.9	.18	.03	—	418.9	171.2	—	.84
5.									

Absolute Potential: 2,250 MCFPD; n 1.000
 COMPANY Continental Oil Company
 ADDRESS Box 427, Hobbs, New Mexico
 AGENT and TITLE W. D. Howard, Test Engineer
 WITNESSED J. B. Murray
 COMPANY El Paso Natural Gas Company

REMARKS

Since this is second rate pt to test this well, a slope of 1.000 was drawn through highest rate of flow.

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

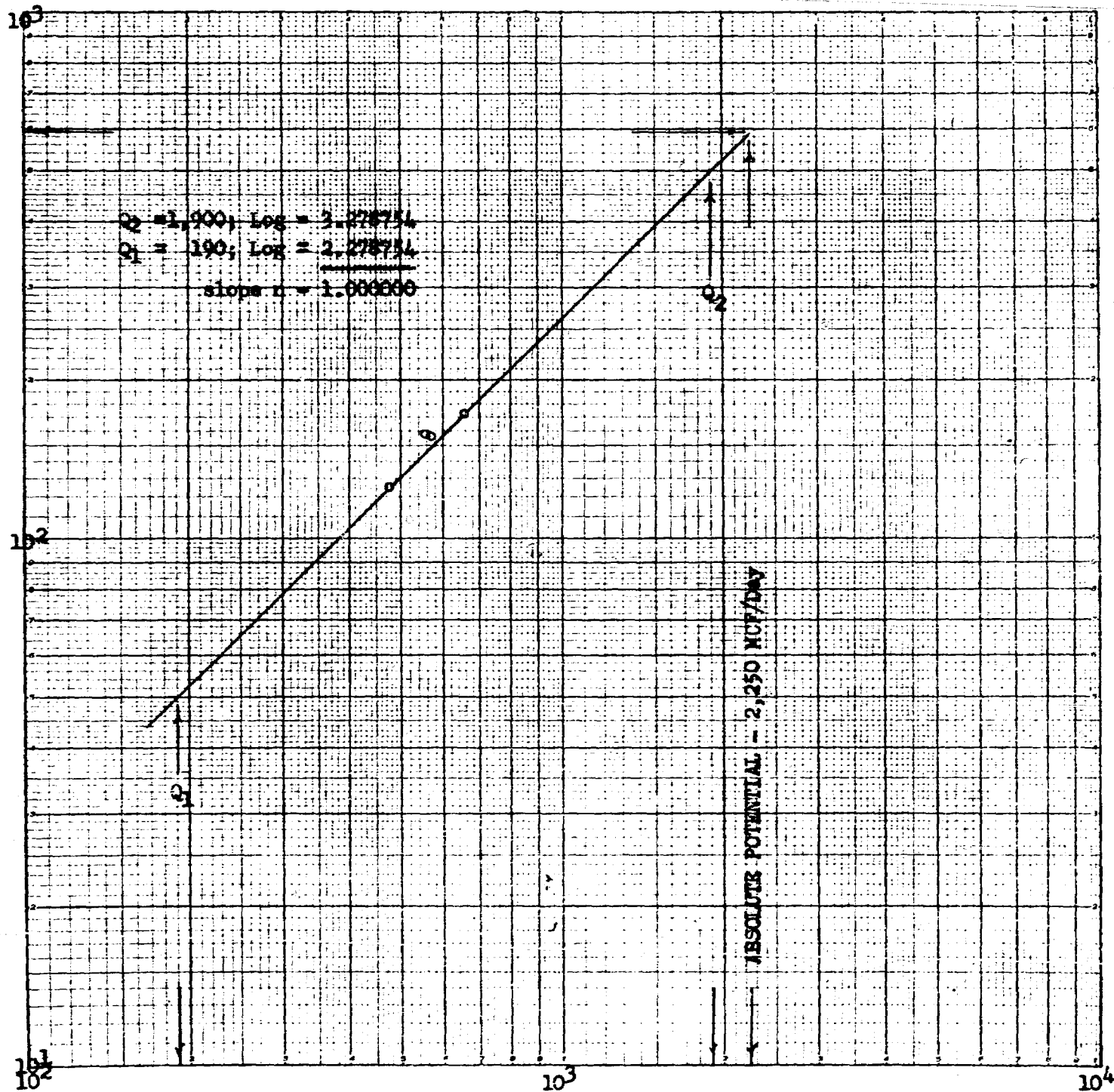
- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia
- P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if
flowing through casing.) psia
- P_f = Meter pressure, psia.
- h_w = Differential meter pressure, inches water.
- F_g = Gravity correction factor.
- F_t = Flowing temperature correction factor.
- F_{pv} = Supercompressability factor.
- n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

COMPANY	Continental Oil Co.
WELL	3EMU-Eumont No.65
LOCATION	L Sec.26-20S-37E
COUNTY	Lea
DATE	1-29-61

NO. 31.291 LOGARITHMIC: 2 BY 2 3/4 INCH CYCLES (BASE SHORT WAY).
 CODEX BOOK COMPANY, INC. NORWOOD, MASSACHUSETTS
 PRINTED IN U.S.A.

$P_c - P_2$ (thousands)



MCFD - 15.025 psia.

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 non-standard 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 W/2 W/2 of Section 26, the E/2 E/2 of Section 27, and the E/2 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 above-styled 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.

- 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 non-standard 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/2 NE/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 oil-oil dual completion utilizing two strings of casing.

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.



RECEIVED FEB 23 1961

CONTINENTAL OIL COMPANY

825 Petroleum Building
Roswell, New Mexico

February 24, 1961

New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr., Secretary-Director

Re: ADDITIONAL INFORMATION REQUESTED
DURING THE EXAMINER HEARING -
THURSDAY, FEBRUARY 23, 1961, FOR
CASE NOS. 2187 AND 2190

The additional information requested for Case No. 2187 is listed on the attached Table No. I. It is pointed out that there are no Eumont oil wells on Sections 22 and 23, T20S, R37E. In regard to the plugged and abandoned well located in Unit A of Section 22, this well was P&A December 18, 1947.

The information requested for Case No. 2190 is listed on the attached Table No. II which shows that there are no oil wells producing from the Eumont Pool in Sections 14 and 15.

Please contact this office if you require any additional information concerning the subject cases.

Edwin R. Anderson
Edwin R. ANDERSON
Production Engineer

ERA-sk
Enc.

PIONEERING IN PETROLEUM PROGRESS SINCE 1875

TABLE I

ADDITIONAL INFORMATION REQUESTED FOR CASE NO. 2187

<u>WELL NAME AND NO. (FORMERLY)</u>	<u>LOCATION</u>	<u>POOL</u>
	Unit S-T-R	
<u>Cranfill et al (Texas)</u>		
Ellen Weir No. 1	A 14-20-37	P&A 7-20-36
<u>Continental Oil Company</u>		
SEMU Permian No. 46 (SEMU Skaggs B-14 No. 1) (Elev. 3558' DF; Eumont producing interval:	I " " "	Skaggs-Eumont Gas (Dual)
" " Permian No. 47 (SEMU Skaggs B-14 No. 2)	P " " "	Skaggs
SEMU Permian No. 48 (SEMU Skaggs B-14 No. 3)	H " " "	" " "
" " Eumont No. 66 (Skaggs B-14 No. 1) (Elev. 3557' DF; producing interval: 3548'-3707')	L " " "	Eumont Gas
<u>Continental Oil Company</u>		
Britt B-15 No. 1	D 15-20-37	Monument
" " " " 2	E " " "	" " "
" " " " 3 (Elev: 3552 DF; producing interval:	L " " "	Eumont Gas
" " " " 4	M " " "	Monument
" " " " 5	K " " "	" " "
" " " " 6	F " " "	" " "
" " " " 7	N " " "	" " "
" " " " 8 (Elev: 3562; Eumont producing interval: 3497-3671')	J " " "	Monument-Eumont Gas (Dual)
" " " " 9	J " " "	Weir Drinkard- Weir Tubb (Dual)
" " " " 10	F " " "	Weir Tubb
" " " " 11	N " " "	Monument Tubb
SEMU D-T NO. 70	I " " "	Weir Drinkard - Weir Tubb(Dual)
SEMU Pennsylvanian No. 61	P " " "	Cass

BEFORE THE OIL CONSERVATION COMMISSION
OF THE
STATE OF NEW MEXICO

1971 JAN 11 AM 07

IN THE MATTER OF THE APPLICATION OF
CONTINENTAL OIL COMPANY FOR AN EXCEPTION
TO RULE 5(a) OF THE GENERAL RULES AND
REGULATIONS FOR PRORATED GAS POOLS IN
SOUTHEAST NEW MEXICO CONTAINED IN ORDER
NO. R-1670 FOR AN 80 ACRE EXPANSION OF
THE 320 ACRE NON-STANDARD EUMONT POOL
GAS PRORATION UNIT ASSIGNED TO ITS SEMU
EUMONT WELL NO. 65.

Case 7187

R-714 ←

A P P L I C A T I O N

Comes now applicant, Continental Oil Company and petitions the Commission for an order approving the expansion of the 320-acre non-standard gas proration unit consisting of the W/2 W/2 of Section 26 and the E/2 E/2 of Section 27, T-20S, R-37E, assigned to its SEMU Eumont well No. 65 located 2363 feet from the South line and 0 feet from the West line of Section 26, T-20S, R-37E, NMPM, Lea County, New Mexico, in the Eumont Gas Pool, to include the E/2 of the SE/4 of Section 22, T-20S, R-37E and in support thereof would show:

1. That applicant is co-owner and operator of the SEMU Eumont lease containing, among other lands, the W/2 W/2 of Section 26, the E/2 E/2 of Section 27 and the E/2 of the SE/4 of Section 22, T-20S, R-37E NMPM, Lea County, New Mexico.

2. That applicant's SEMU Eumont Well No. 65 is capable of producing gas in excess of a 400-acre unit gas allowable for the Eumont Pool.

3. That no part of the acreage comprising the E/2 of the SE/4 of Section 22 is allocated to a gas well and that all said acreage may reasonably be presumed to be productive of gas from the Eumont Pool and should be allocated to a gas well in the interests of the prevention of waste and the protection of correlative rights.

4. That the most practical and economical method of allocating said acreage for Eumont Pool gas production is to expand the 320-acre non-standard gas proration unit assigned to the SEMU Eumont well No. 65.

Wherefore, applicant prays that this application be set for hearing before the Commission's duly appointed examiner, that appropriate notice thereof be given, and that upon hearing an order be entered granting applicant an exception to Rule 5(a) of the General Rules and Regulations for prorated gas pools in Southeast New Mexico contained in Order No. R-1670 approving the

Doyle
Mailed
2-10-61

expansion of the present non-standard gas proration unit by 80 acres for
Continental Oil Company's SEMU Eumont well No. 65 as described above.

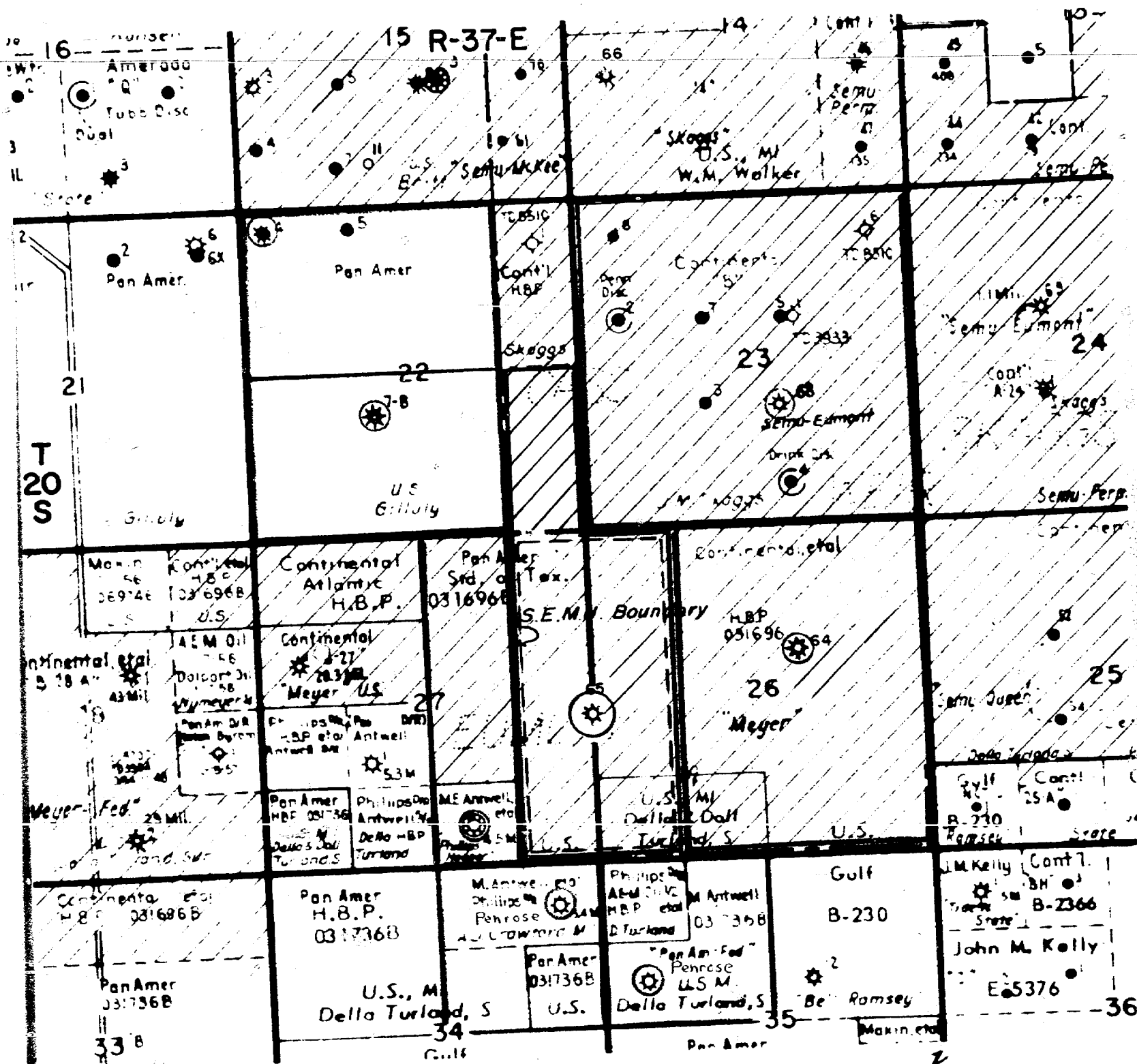
Respectfully submitted,

CONTINENTAL OIL COMPANY

W. A. Mead

Wm. A. Mead
Division Superintendent
of Production
New Mexico Division

WAM-ENP



OWNERSHIP MAP - EUMONT AREA
scale: 1" = 2000'

LEGEND

- SEMU-Eumont No.65 Gas Well
- Offset Gas Well
- Present Gas Unit No.65
- Offset Gas Well
- Proposed Gas Unit No.65
- Continental Acreage Cross-hatched.

Continental Oil Co.

12/30/60.

160
160
80
400

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Exmont Formation Queen County Lea
 Initial Annual Special X Date of Test 1-29-61
 Company Continental Oil Company Lease SE 3/4 Exmont Well No. 65
 Unit L Sec. 26 Twp. 20S Rge. 37E Purchaser R.P.N.G.
 Casing 8 1/2 Wt. 32.0 I.D. Set at 2815 Perf. To
 Tubing None Wt. I.D. Set at Perf. To
 Gas Pay: From 3527 To 3670 L 2815 xG .674 -GL 1897 Bar.Press. 13.2
 Producing Thru: Casing X Tubing Type Well Single
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 Reservoir Temp. 90

OBSERVED DATA

Tested Through (Flow) (Gauge) (Meter) Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
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2.	4	1.000	613	10.89	65			644		24
3.	4	1.000	627	11.56	62			645		24
4.	4	1.000	587	18.49	59			634		24
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
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3.	6.135	86.03		.9921	.9427	1.074	533
4.	6.135	105.35		1.0010	.9427	1.076	656
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio — cf/bbl.
 Gravity of Liquid Hydrocarbons — deg.
 ρ_c .2774 (1-e^{-s}) 0.121

Specific Gravity Separator Gas —
 Specific Gravity Flowing Fluid —
 P_c 768.2 P_c^2 590.2

No.	P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w /P _c
1.	661.2	437.0	.63	.0008	—	464.9	196.1		.69
2.	657.2	431.9	.15	.02	—	432.9	158.2		.66
3.	658.2	433.2	.15	.02	—	433.2	156.9		.66
4.	647.2	418.9	.18	.03	—	418.9	171.2		.64
5.									

Absolute Potential: 2,250 MCFPD; n 1.000

COMPANY Continental Oil Company
 ADDRESS Box 427, Hobbs, New Mexico
 AGENT and TITLE J. D. Howard, Test Engineer
 WITNESSED J. D. Murray
 COMPANY El Paso Natural Gas Company

REMARKS

Since this is secondary pt to test this well, a slope of 1.000 was drawn through highest rate of flow.

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressibility factor.

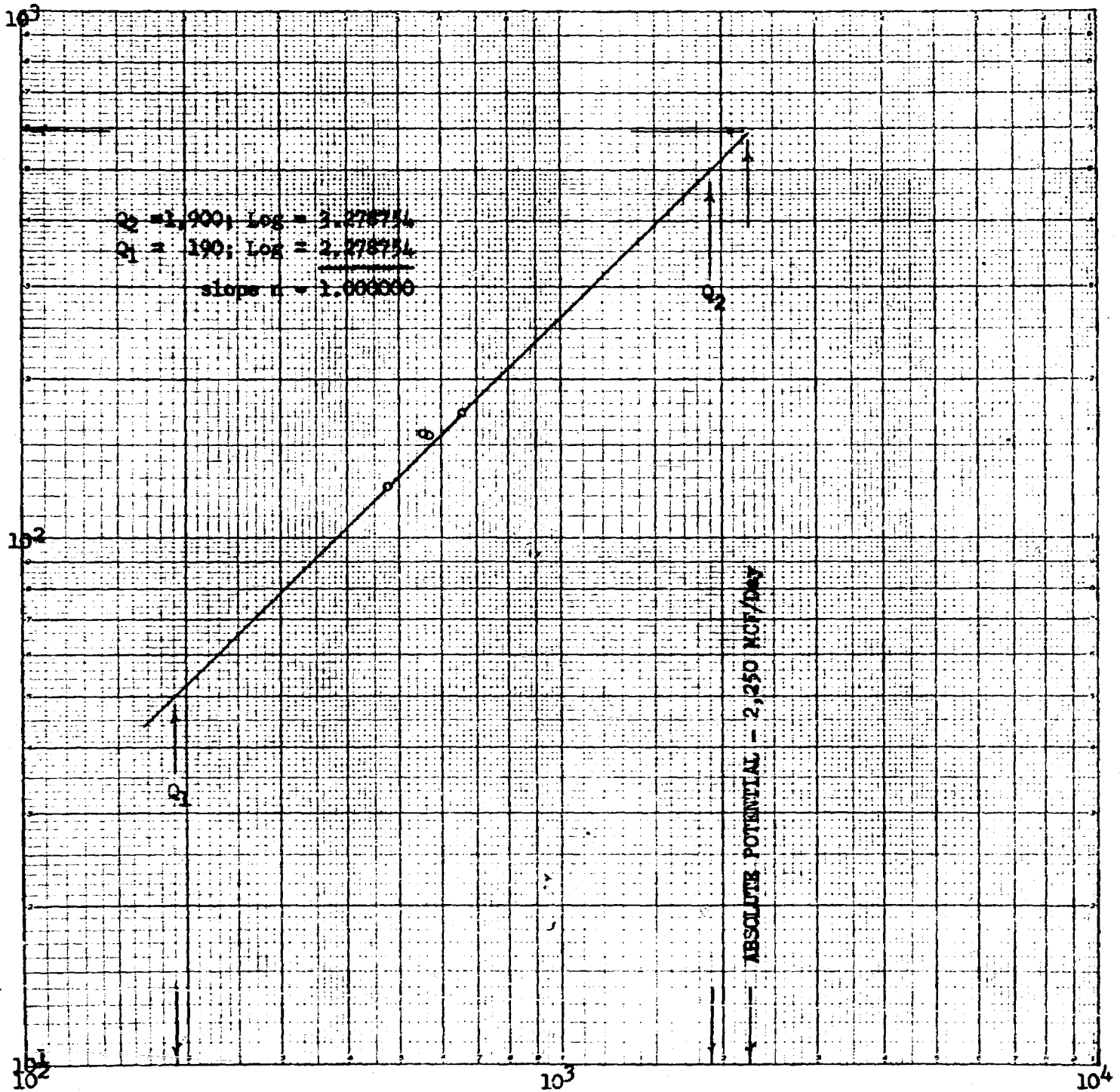
n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

COMPANY	Continental Oil Co.
WELL	3EMU-Eumont No.65
LOCATION	L Sec.26-20S-37E
COUNTY	Lea
DATE	1-29-61

NO. 31,291 LOGARITHMIC 2 BY 3 1/2 INCH CYCLES (BASE SHORT WAY)
 CODEX BOOK COMPANY, INC. NORWOOD, MASSACHUSETTS
 PRINTED IN U.S.A.

$p_c^2 - p^2$ (thousands)



MCFD - 15.025 psia.

Case 2187

Hear. 2-23-61

Rec. 2-27-61

1. Secant Cont. request for a 400 Ac.
NSU for their SEMU #65, located
2363/5 and on western side of sec. 26-205-37E.
2. Unit soil consist of w/2 w/2 sec 26,
E/2 E/2 sec. 25, E/2 SE/4 sec. 22, 205-37E.
3. Annual NSU otherwise

J. H. H. H.

3/1
Don
3/2
3/2
3-2-61

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. 2187

Order No. R- 1888

[Signature]
APPLICATION OF CONTINENTAL OIL
COMPANY FOR A 400-ACRE NON-
STANDARD GAS PRORATION UNIT,
EUMONT GAS POOL, 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 Elvis A. Utz, 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 March day of March, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, Continental Oil Company, is co-owner and operator of the SEMU Eumont lease, containing, among other lands, the W/2 W/2 of Section 26, the E/2 E/2 of Section 27 and the E/2 SE/4 of Section 22, all in Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes that the above-described acreage be established as a non-standard gas proration unit in the Eumont Gas Pool, with the unit well to be the SEMU Eumont Well No. 65, located 2363 feet from the South line and 0 feet from the West line of said Section 26.

(4) That the proposed 400-acre non-standard gas proration unit can reasonably be presumed to be productive of gas from the Eumont Gas Pool.

(5) That the establishment of the proposed 400-acre non-standard gas proration unit will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That a 400-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the W/2 W/2 of Section 26, the E/2 E/2 of Section 27 and the E/2 SE/4 of Section 22, all in Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, be and the same is hereby established. 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.

(2) That the allowable assigned to the above-described non-standard gas proration unit shall bear the same ratio to a standard allowable in the Eumont Gas Pool as the acreage in said unit bears to the acreage in a standard gas proration unit in the Eumont Gas Pool.

7(3)
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

That Order No. R-714 be and the same is hereby superseded.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



P. O. BOX 971
SANTA FE

March 7, 1961

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

Jason Kellehin
Kellehin & Fox
Box 1713
Santa Fe, New Mexico

Re: Case No. 2187
Order No. R-1888
Applicant:
Continental 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

ir/

Carbon copy of order also sent to:

Hobbs OCC X
Artesia OCC
Aztec OCC

OTHER

**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. 2187
Order No. R-1988**

**APPLICATION OF CONTINENTAL OIL
COMPANY FOR A 400-ACRE NON-
STANDARD GAS PRORATION UNIT,
BUMONT GAS POOL, LRA 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 Elvis A. Utz, 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 3rd day of March, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, Continental Oil Company, is co-owner and operator of the SMCU Bumont Lease, containing, among other lands, the W/2 W/2 of Section 26, the E/2 E/2 of Section 27 and the E/2 SE/4 of Section 22, all in Township 20 South, Range 37 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes that the above-described acreage be established as a non-standard gas proration unit in the Bumont Gas Pool, with the unit well to be the SMCU Bumont Well No. 65, located 2363 feet from the South line and 9 feet from the West line of said Section 26.
- (4) That the proposed 400-acre non-standard gas proration unit can reasonably be presumed to be productive of gas from the Bumont Gas Pool.
- (5) That the establishment of the proposed 400-acre non-standard gas proration unit will neither cause waste nor impair correlative rights.

-2-

CASE No. 2187
Order No. R-1888

IT IS THEREFORE ORDERED:

(1) That a 400-acre non-standard gas proration unit in the Rumont Gas Pool consisting of the W/2 W/2 of Section 26, the E/2 E/2 of Section 27 and the E/2 SE/4 of Section 22, all in Township 20 South, Range 37 East, NMPM, Lea County, New Mexico, be and the same is hereby established. Said unit is to be dedicated to the SHSW Rumont Well No. 65, located 2363 feet from the South line and 0 feet from the West line of said Section 26.

(2) That the allowable assigned to the above-described non-standard gas proration unit shall bear the same ratio to a standard allowable in the Rumont Gas Pool as the acreage in said unit bears to the acreage in a standard gas proration unit in the Rumont Gas Pool.

(3) That Order No. R-714 be and the same is hereby superseded.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



esr/

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 23, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Continental Oil Company for a 400-
acre non-standard 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 W/2 W/2 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
2187

BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 2187.

MR. PAYNE: Case 2187: Application of Continental Oil
Company for a 400-acre non-standard gas proration unit.

MR. KELLAHIN: Jason Kellahin of Kellahin and Fox, Santa
Fe, New Mexico, appearing for the applicant. If the Examiner,
please, we will have one witness in this case and who will also
testify in cases 2190 and 2191. If we could have them called in
that order and then call 2188, it might save a little time.

MR. UTZ: Case 2190 and 2191?

MR. KELLAHIN: Just as to the order; I don't want to
consolidate the cases.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



MR. UTZ: You want to skip 2188 and 2189 for time being?

MR. KELLAHIN: If the Examiner please, the letter was written, and I would like to move for a dismissal of Case 2189.

MR. UTZ: If there is no objection, Case 2189 will be dismissed.

(Witness sworn.)

MR. UTZ: Any other appearances in this Case? You may proceed.

EDWIN R. ANDERSON,
called as a witness, having been previously duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A Edwin R. Anderson.

Q By whom are you employed and in what position?

A For Continental as a Production Engineer.

Q Where are you located?

A In Roswell, New Mexico.

Q Have you previously testified before the Oil Conservation Commission as a Petroleum Engineer and had your qualifications as a matter of record?

A Yes, I have.

MR. KELLAHIN: Were the qualifications acceptable?

MR. UTZ: Yes sir, they are.

DEAR VLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q (By Mr. Kellahin) Are you familiar with the application of Continental in Case 2187?

A Yes sir.

Q Would you state what is proposed in this application?

A We propose to expand the presently non-standard proration assigned to No. 2165 expanded to include the 80 acres consisting of the East Half of the Southeast Fourth of Section 22, Township 20 South, Range 37 East.

Q Have you prepared the plat showing the area involved?

A Yes, I have.

(Marked Applicant's Exhibits
Numbers 1 & 2 for identification.)

Q Referring to what has been made as Exhibit Number 1, would you discuss the Exhibit?

A Exhibit Number 1 is an ownership plat. That can be seen at the East Half of the Southeast Quarter of Section 22 and is not presently dedicated for Eumont Gas Production. It is surrounded by Eumont Gas Wells and therefore reasonably assumed to be productive of gas. In order to allege it for production, Continental has applied for an expansion of the two 100 non-standard gas proration units established by Commission Order R-714 which is assigned to the SEMU Well No. 65, formerly the Meyer B-26 No. 1 and want to establish this unit to include the East Half of the Southeast Quarter of Section 22.

Q What does the cross-hatched area signify on that plat?



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PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

A The cross-hatched area signifies Continental operated acreage.

Q Is all the acreage which you propose to dedicate, on the No. 65, located in the Southeast Monument Unit?

A That's right.

Q Is there any other well to which the acreage; that is, the East Half of the Southeast Quarter of Section 22 could be dedicated too?

A Yes, there are other wells that could be dedicated.

Q For what reason do you not desire to make that type of a dedication?

A Well, to assign to any of the -- well, to any compensation without acreage without the Southeast Monumental Unit would complicate our accounting procedures.

Q I believe you stated that all the acreage offsetting the unit is dedicated to Eumont production?

A It is presently dedicated to Eumont production.

Q Referring to what has been marked for identification as Exhibit 2, would you discuss that Exhibit?

A Exhibit Number 2 is a four-point back pressure test taken on the SEMU Eumont Well No. 65, and from this test, you can the calibrated differentiability at 250 pounds per square inch back pressure, is 2,000 MCF of gas per say. This 250 pounds is the line pressure in the area. The 1960 daily Eumont gas allowable for a 400-acre non-standard was 383 MCF of gas per day.



PHONE CH 3-6691

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

Q On the basis of that, would well No. 65 produce enough gas for a 400-acre unit?

A It would be capable of using it, yes sir.

Q In your opinion, is the Pennsylvanian productive of gas from the Eumont?

A Yes sir.

Q On what do you base that?

A It is surrounded by Eumont gas wells in all directions.

Q In your opinion, would the granting of the application be in the interest of in any way protecting the relative rights; that is, to be dedicated on to any well at the time of Eumont?

A No sir.

Q Were Exhibits 1 and 2 prepared by you or under your supervision?

A Under my supervision.

MR. KELLAHIN: At this time, I would like to enter Exhibits 1 and 2 in the record.

MR. UTZ: Without any objections, Exhibits 1 and 2 will be entered in this case.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Anderson, what is the completion interval of oil wells in Sections 23 and 22? Are those Eumont Oil Wells or some other pool?

A In sections 23 and 22?



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PHONE CN 3-6691

ALBUQUERQUE, NEW MEXICO

Q Yes sir?

A In Section 22, there are two Eumont Oil Wells, and there is one -- I am not sure of the interval of completion.

Q Which?

A This No. 5 Well is Pan American acreage.

Q Yes sir, is that Eumont Oil?

A No sir, No's. 4, 7 and 22 are Eumont gas wells. I am not sure about the No. 5 Well, but I can get that information if you need it.

Q The only thing that I would like to know if it's a Eumont or completed in some other Pool. How about the oil wells in Section 23?

A There are no other Eumont oil wells or gas wells in Section 23 other than the well No. 68 shown circled which is a Eumont gas well.

Q The No. 3 and No. 7 are oil wells completed in what Pool?

A I am not sure of the completion of the Pool that they are in. I can get the information for you later and send it to you.

Q Yes, I request that you give us a letter stating the completion interval of all oil wells in Sections 23 and 22, too, and what Pool they are completed in. Now, the No. 68 has 640 acres dedicated of the entire Section 23 and Reserve B is outside of the SEMU Unit?

A That is correct.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q And have what, 200 acres or 240 acres dedicated to it?

A 240 acres.

Q What about the West Half -- or East Half, rather -- of the Northeast Quarter of Section 22; is it dedicated to anything?

A No sir, it isn't.

Q Where was that dry hole dry in?

A It was deep tested at intervals down to better than 8,000 feet.

Q Dry all the way?

A Yes sir, it was not dedicated in the Eumont gas zone. In fact, I think the Eumont gas development came at a later date.

Q That well was drilled about when?

A I am not sure of the date. I can get that information for you if you like.

Q At any rate, you are sure it was drilled and abandoned before the Eumont was drilled and discovered?

A That's right.

Q What do you intend to do with that 80 acres?

A I intend to assign it to another well on another hearing.

MR. KELLAHIN: We have another case.

MR. UTZ: Another case?

MR. KELLAHIN: Yes sir, Case 2190.

MR. UTZ: Any other questions of the witness?

CROSS EXAMINATION

BY MR. PAYNE:



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q Mr. Anderson, does your SEMU Well No. 65, which you propose to dedicate to a non-standard unit, make any liquid?

A It's a dry gas well.

Q Dry gas well? Now, has this well been dropping off in producing capacity at a relatively slow rate?

A I am not familiar with the past tests on the well.

Q How long do you think it will be able to make a 400 allowable for the Eumont?

A Oh, as long as the other wells in the area are producing I think it can keep up with the rest of it.

Q Was it drilled at approximately the same time as the 64 Well and 68 Well?

A Yes sir.

MR. PAYNE:

RE-CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Anderson, can you give any explanation as to why you couldn't get a relatively good point alignment in the 4-point test shown in Exhibit 2?

A No sir, I couldn't give a good explanation.

Q Do you suppose the fact that there is no tube in this well had anything to do with it? You did test through eight and a half inch casing, didn't you?

A Yes sir, eight and a half inch casing.

Q And the flow rates are around four or six hundred which



eight and a half inch casings wouldn't lift much, would it?

A No sir.

Q That is probably why you were unable to test this well?

A I didn't understand?

Q That is the reason you were unable to get a good test on this well, wouldn't you say?

A Well, we considered it a good test; it might be I am proofing per cubic minute.

Q The point alignment isn't too good, is it?

A Oh, we had to use a slope of one.

Q But the ~~well~~^{well} wasn't producing any liquids? Did you try to measure the liquids?

A I don't believe there was any attempt to measure the liquids while producing this test.

Q If the liquids weren't coming up, the well bore could have caused this test to be a bad test, right?

A That is generally the reason for a bad test, I believe.

Q That usually is the reason.

MR. UTZ: Any other questions? Any other statements in this case? I would like to ask a question about your request, sir.

Q (By Mr. Utz) About all of the wells in Sections 22 and 23, did you check with just the pool they were completed in, or the actual intervals of completion?

A Just the pool.

Q Just the pool?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6591

ALBUQUERQUE, NEW MEXICO



A Yes sir, so the verticals would be unnecessary to give the information on that.

MR. PAYNE: Unless they are completed in the Eumont, then we would like to know the interval.

MR. ANDERSON: I see.

MR. UTZ: The case will be taken under advisement. The witness can be excused.

(Witness excused.)

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 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 ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 13th day of March, 1961.

La Verne E. James
Notary Public - Court Reporter

My commission expires:

January 6, 1965.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing Case No. 2187, heard by me on Oct. 23, 1961.
Thurman J. ...
Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 23, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Continental Oil Company for a 400-acre non-standard 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 W/2 W/2 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
2187

BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 2187.

MR. PAYNE: Case 2187: Application of Continental Oil Company for a 400-acre non-standard gas proration unit.

MR. KELLAHIN: Jason Kellahin of Kellahin and Fox, Santa Fe, New Mexico, appearing for the applicant. If the Examiner, please, we will have one witness in this case and who will also testify in cases 2190 and 2191. If we could have them called in that order and then call 2188, it might save a little time.

MR. UTZ: Case 2190 and 2191?

MR. KELLAHIN: Just as to the order; I don't want to consolidate the cases.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



MR. UTZ: You want to skip 2188 and 2189 for time being?

MR. KELLAHIN: If the Examiner please, the letter was written, and I would like to move for a dismissal of Case 2189.

MR. UTZ: If there is no objection, Case 2189 will be dismissed.

(Witness sworn.)

MR. UTZ: Any other appearances in this Case? You may proceed.

EDWIN R. ANDERSON,
called as a witness, having been previously duly sworn, testified
as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please?

A Edwin R. Anderson.

Q By whom are you employed and in what position?

A For Continental as a Production Engineer.

Q Where are you located?

A In Roswell, New Mexico.

Q Have you previously testified before the Oil Conservation
Commission as a Petroleum Engineer and had your qualifications as
a matter of record?

A Yes, I have.

MR. KELLAHIN: Were the qualifications acceptable?

MR. UTZ: Yes, sir, they are.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



DEARNLEY-MEIER REPORTING SERVICE, Inc.
ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691

(By Mr. Kellahin) Are you familiar with the application of Continental in Case 2187?

A Yes sir.

Q Would you state what is proposed in this application?

A We propose to expand the presently non-standard proration assigned to No. 2165 expanded to include the 80 acres consisting of the East Half of the Southeast Fourth of Section 22, Township 20 South, Range 37 East.

Q Have you prepared the plat showing the area involved?

A Yes, I have.

(Marked Applicant's Exhibits
Numbers 1 & 2 for identification.)

Q Referring to what has been made as Exhibit Number 1, would you discuss the Exhibit?

A Exhibit Number 1 is an ownership plat. That can be seen at the East Half of the Southeast Quarter of Section 22 and is not presently dedicated for Eumont Gas Production. It is surrounded by Eumont Gas Wells and therefore reasonably assumed to be productive of gas. In order to allege it for production, Continental has applied for an expansion of the two 100 non-standard gas proration units established by Commission Order R-714 which is assigned to the SEMU Well No. 65, formerly the Meyer B-26 No. 1 and want to establish this unit to include the East Half of the Southeast Quarter of Section 22.

Q What does the cross-hatched area signify on that plat?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

A The cross-hatched area signifies Continental operated acreage.

Q Is all the acreage which you propose to dedicate, on the No. 65, located in the Southeast Monument Unit?

A That's right.

Q Is there any other well to which the acreage; that is, the East Half of the Southeast Quarter of Section 22 could be dedicated too?

A Yes, there are other wells that could be dedicated.

Q For what reason do you not desire to make that type of a dedication?

A Well, to assign to any of the -- well, to any compensation without acreage without the Southeast Monumental Unit would complicate our accounting procedures.

Q I believe you stated that all the acreage offsetting the unit is dedicated to Eumont production?

A It is presently dedicated to Eumont production.

Q Referring to what has been marked for identification as Exhibit 2, would you discuss that Exhibit?

A Exhibit Number 2 is a four-point back pressure test taken on the SEMU Eumont Well No. 65, and from this test, you can -- the calibrated differentiability at 250 pounds per square inch back-pressure, is 2,000 MCF of gas per say. This 250 pounds is the line pressure in the area. The 1960 daily Eumont gas allowable for a 400 acre non-standard was 383 MCF of gas per day.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q On the basis of that, would well No. 65 produce enough gas for a 400-acre unit?

A It would be capable of using it, yes sir.

Q In your opinion, is the Pennsylvanian productive of gas from the Eumont?

A Yes sir.

Q On what do you base that?

A It is surrounded by Eumont gas wells in all directions.

Q In your opinion, would the granting of the application be in the interest of in any way protecting the relative rights; that is, to be dedicated on to any well at the time of Eumont?

A No sir.

Q Were Exhibits 1 and 2 prepared by you or under your supervision?

A Under my supervision.

MR. KELLAHIN: At this time, I would like to enter Exhibits 1 and 2 in the record.

MR. UTZ: Without any objections, Exhibits 1 and 2 will be entered in this Case.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Anderson, what is the completion interval of oil wells in Sections 23 and 22? Are those Eumont Oil Wells or some other Pool?

A In Sections 23 and 22?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CN 3-6691

ALBUQUERQUE, NEW MEXICO

Q Yes sir?

A In Section 22, there are two Eumont Oil Wells, and there is one -- I am not sure of the interval of completion.

Q Which?

A This No. 5 Well is Pan American acreage.

Q Yes sir, is that Eumont Oil?

A No sir, No's. 4, 7 and 22 are Eumont gas wells. I am not sure about the No. 5 Well, but I can get that information if you need it.

Q The only thing that I would like to know if it's a Eumont or completed in some other Pool. How about the oil wells in Section 23?

A There are no other Eumont Oil wells or gas wells in Section 23 other than the well No. 68 shown circled which is a Eumont gas well.

Q The No. 3 and No. 7 are oil wells completed in what Pool?

A I am not sure of the completion of the Pool that they are in. I can get the information for you later and send it to you.

Q Yes, I request that you give us a letter stating the completion interval of all oil wells in Section 23 and 22, too, and what Pool they are completed in. Now, the No. 68 has 640 acres dedicated of the entire Section 23 and Reserve B is outside of the SEMU Unit?

A That is correct.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q And have what, 200 acres or 240 acres dedicated to it?

A 240 acres.

Q What about the West Half -- or East Half, rather -- of the Northeast Quarter of Section 22; is it dedicated to anything?

A No sir, it isn't.

Q Where was that dry hole dry in?

A It was deep tested at intervals down to better than 8,000 feet.

Q Dry all the way?

A Yes sir, it was not dedicated in the Eumont gas zone. In fact, I think the Eumont gas development came at a later date.

Q That well was drilled about when?

A I am not sure of the date. I can get that information for you if you like.

Q At any rate, you are sure it was drilled and abandoned before the Eumont was drilled and discovered?

A That's right.

Q What do you intend to do with that 80 acres?

A I intend to assign it to another well on another hearing.

MR. KELLAHIN: We have another case.

MR. UTZ: Another case?

MR. KELLAHIN: Yes sir, Case 2190.

MR. UTZ: Any other questions of the witness?

CROSS EXAMINATION

BY MR. PAYNE:



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

Q Mr. Anderson, does your SEMU Well No. 65, which you propose to dedicate to a non-standard unit, make any liquid?

A It's a dry gas well.

Q Dry gas well? Now, has this well been dropping off in producing capacity at a relatively slow rate?

A I am not familiar with the past tests on the well.

Q How long do you think it will be able to make a 400 allowable for the Eumont?

A Oh, as long as the other wells in the area are producing, I think it can keep up with the rest of it.

Q Was it drilled at approximately the same time as the 64 Well and 68 Well?

A Yes sir.

MR. PAYNE:

RE-CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Anderson, can you give any explanation as to why you couldn't get a relatively good point alignment in the 4-point test shown in Exhibit 2?

A No sir, I couldn't give a good explanation.

Q Do you suppose the fact that there is no tube in this reel has anything to do with it? You did test through eight and a half inch casing, didn't you?

A Yes sir, eight and a half inch casing.

Q And the floor rates are around four or six hundred which



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

eight and a half inch casings wouldn't lift much, would it

A No sir.

Q That is probably why you were unable to test this well?

A I didn't understand?

Q That is the reason you were unable to get a good test on this well, wouldn't you say?

A Well, we considered it a good test; it might be I am proofing per cubic minute.

Q The point alignment isn't too good, is it?

A Oh, we had to use a slope of one.

Q But the oil wasn't producing any liquids? Did you try to measure the liquids?

A I don't believe there was any attempt to measure the liquids while producing this test.

Q If the liquids weren't coming up, the well bore could have caused this test to be a bad test, right?

A That is generally the reason for a bad test, I believe.

Q That usually is the reason.

MR. UTZ: Any other questions? Any other statements in this case? I would like to ask a question about your request, sir.

Q (By Mr. Utz) About all of the wells in Sections 22 and 23, did you check with just the pool they were completed in, or the actual intervals of completion?

A Just the pool.

Q Just the pool?



A Yes sir, so the verticals would be unnecessary to give the information on that.

MR. PAYNE: Unless they are completed in the Eumont, then we would like to know the interval.

MR. ANDERSON: I see.

MR. UTZ: The case will be taken under advisement. The witness can be excused.

(Witness excused)

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 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 ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 1st day of March, 1961.

La Verne E. James
Notary Public - Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of case No. 2187 heard by me on Feb. 23, 1961.

My Commission expires: January 6, 1965.

[Signature]
Examiner
New Mexico Oil Conservation Commission



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO