

CASE 3122: Application of CONTINENTAL
for a 500-acre non-saturated gas
production unit. (SENU Mount Well #22)

Case No.

2190

Application, Transcript,
Small Exhibits, Etc.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Dumont Formation Queen County Lea

Initial Annual Special X Date of Test 2-17-61

Company Continental Oil Company Lease SUNRISE Dumont Well No. 46

Unit L Sec. 14 Twp. 20S Rge. 37E Purchaser E.P.H.G.

Casing 5 1/2 Wt. 14 I.D. 5.012 Set at 3799 Perf. 3548 To 3707

Tubing 2 Wt. 4.7 I.D. 1.995 Set at 3463 Perf. - To -

Gas Pay: From 3548 To 3707 L 3548 xG .673 -GL 2388 Bar.Press. 13.2

Producing Thru: Casing - Tubing X Type Well Single

Date of Completion: 6-20-56 Packer None Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. 90°

OBSERVED DATA

Tested Through 3548 3707 (Meter)Type Taps Flange

No.	Flow Data			Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	
SI								
1.	4.000	1.000	608	23.04	73	853	815	22
2.	4.000	1.000	615	31.81	69		803	22
3.	4.000	1.000	612	62.09	66		775	22
4.	4.000	1.000	619	75.69	67		756	22
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	119.63		.9877	.9427	1.037	729
2.	6.135	141.36		.9915	.9427	1.037	889
3.	6.135	187.03		.9943	.9427	1.033	1,238
4.	6.135	218.75		.9933	.9427	1.076	1,352
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio - cf/bbl.

Gravity of Liquid Hydrocarbons - deg.

ρ_c 9.936 $(1-e^{-s})$ 0.152

Specific Gravity Separator Gas -

Specific Gravity Flowing Fluid -

P_c 866.2 P_c^2 750.3

No.	P_w P_{xt} (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.	828.2					685.9	64.6		.9561
2.	816.2					666.2	84.1		.9423
3.	788.2		MEASURED			621.3	129.0		.9100
4.	769.2					591.7	153.6		.8880*
5.									

Absolute Potential: 4,100 MCFPD; n .70COMPANY Continental Oil CompanyADDRESS Box 427, Hobbs, N. M.AGENT and TITLE W. O. Howard, Test Engineer

WITNESSED

COMPANY

REMARKS

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 2CASE NO. 2190

*Insufficient drawdown due to small orifice size.

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.

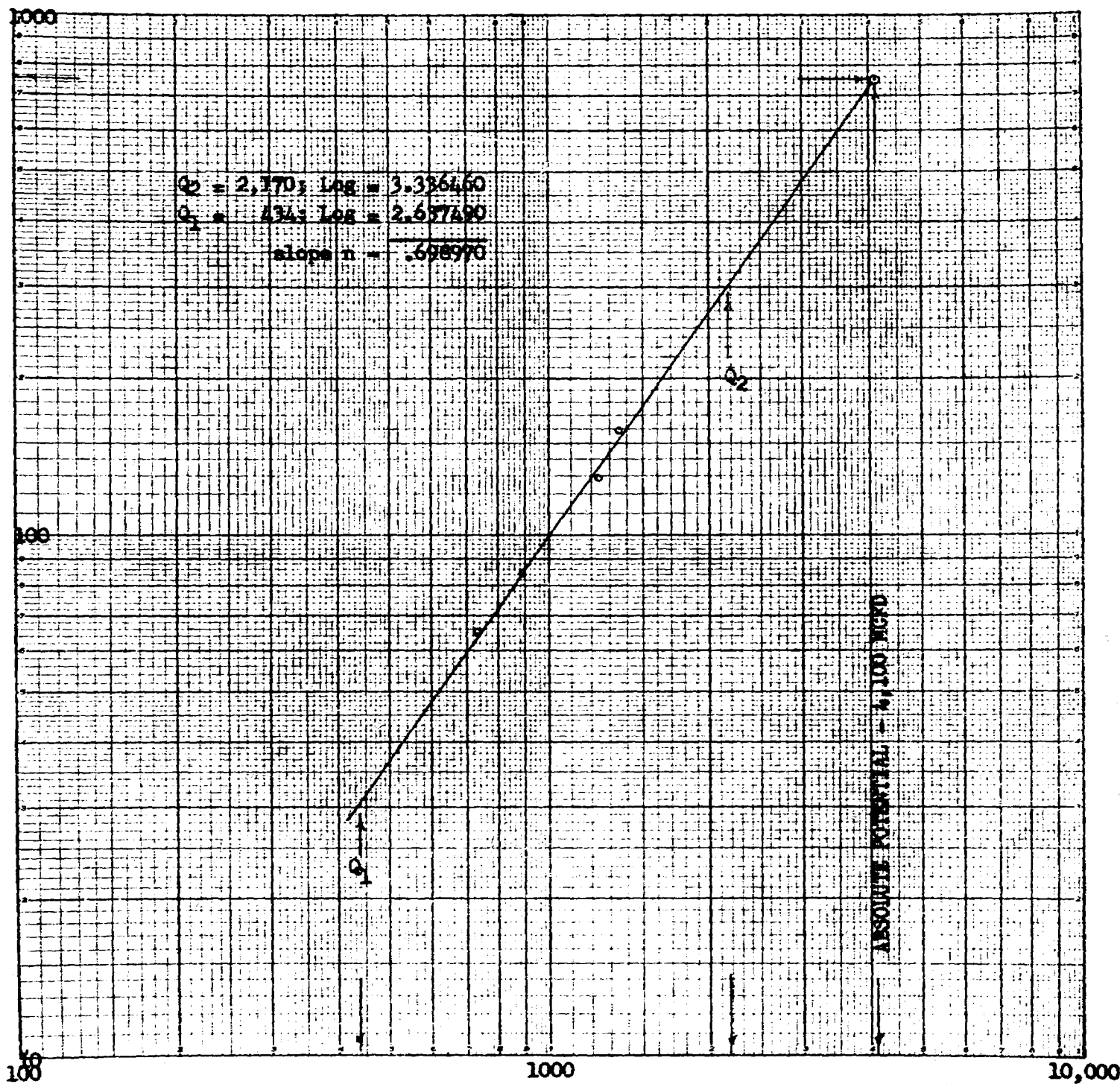
Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

COMPANY Continental Oil Co.
 WELL SEMU-Eumont No.66
 LOCATION L Sec. 14-20S-37E
 COUNTY Lea
 DATE 2-17-61

CODING BOOK COMPANY, INC. NORWOOD, MASSACHUSETTS
PRINTED IN U.S.A.

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

NO. 31.281 LOGARITHMIC: 8 BY 2 3/4 INCH CYCLES (CASE SHORT WAY)



Q - MCFD - 15.025 psia.

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. 21 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.

Signed: E. R. Anderson

Edwin R. ANDERSON
Production Engineer

ERA-sk
Enc.

TABLE II

ADDITIONAL INFORMATION REQUESTED FOR CASE NO. 2190

<u>WELL NAME AND NO. (FORMERLY)</u>	<u>LOCATION</u>	<u>POOL</u>
	Unit S-T-R	
<u>Continental Oil Company</u>		
Skaggs B-22 No. 5	A 22-20-37	P&A 12-18-67
<u>Pan American Petroleum Corporation</u>		
Gillully B Federal No. 4 (Elev: 3554'; Eumont producing interval: 2630'-3550')	D " " "	Monument - Eumont Gas (Dual)
" " " " " No. 5	C " " "	Monument
" " " " " No. 7 (Elev: 3529'; producing interval: 2640-3266')	K " " "	Eumont Gas
<u>Continental Oil Company</u>		
Skaggs B-23 No. 1	G 23-20-37	P&A 10-29-41)
SEMU Pennsylvanian No. 2 (Skaggs B-23 No. 2)	E " " "	Cass
" " " " " No. 3 (Skaggs B-23 No. 3)	K " " "	" "
" " " " " No. 4 (Skaggs B-24 No. 5)	G " " "	" "
" " " " " No. 6 (Skaggs B-23 No. 6)	A " " "	P&A 1-22-48
" " " " " No. 7 (Skaggs B-23 No. 7)	F " " "	Cass
" " " " " No. 8	C " " "	P&A 4-1-50
Skaggs B-23	O " " "	Weir Drinkard
SEMU Drinkard	J " " "	Eumont Gas
SEMU Eumont	No. 68 (Elev: 3534' DF; producing interval: 3442'-3699')	

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 Tubbs 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.

Case 2190

Heard 2-23-61

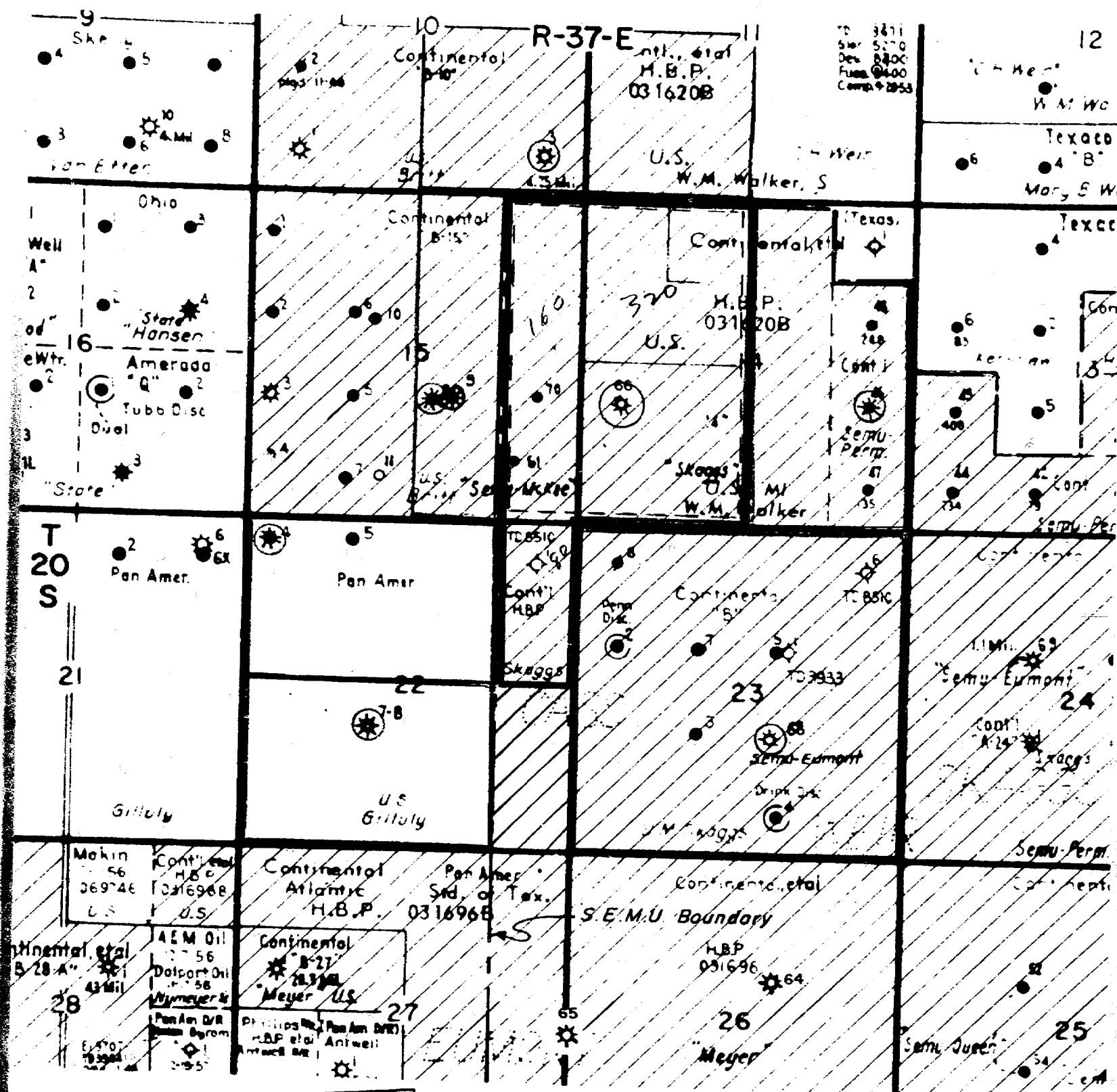
Res. 2-27-61.

1. Grant Co. request for a ^{560 Ac.} NSU
for their SEMU #66, located. 660/W,
1980/S. 14-20 S-37 E.

2. The unit will consist of the
following acreage. W/2 sec. 14,
E/2 E/2, sec. 15, E/2 NE/4 sec. 22, 205-
37 E.

3. Grant NSU otherwise.

Thos. H. H.



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2196
CASE NO. 2196

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

- Present Gas Unit No.66
- Proposed Gas Unit No.66
- Continental Acreage Cross-hatched
- Offset Gas Well
- Offset Gas Unit

Continental Oil Co.

320
160
80
560 acres

CASE: 2196
EXHIBIT: 1

BEFORE THE OIL CONSERVATION COMMISSION
OF THE
STATE OF NEW MEXICO

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 480 ACRE NON-STANDARD EUMONT POOL
GAS PRORATION UNIT ASSIGNED TO ITS SEMU
EUMONT WELL NO. 66.

Case 2190

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 480-acre non-standard gas proration unit consisting of the W/2 of Section 14 and the E/2 of the E/2 of Section 15, T-20S, R-37E, assigned to its SEMU Eumont well No. 66 located 660 feet from the West line and 1980 feet from the South line of Section 14, T-20S, R-37E, NMPM, Lea County, New Mexico, in the Eumont Gas Pool, to include the E/2 of the NE/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 of Section 14, the E/2 E/2 of Section 15 and the E/2 NE/4 of Section 22, T-20S, R-37E, NMPM, Lea County, New Mexico.

2. That applicant's SEMU Eumont well No. 66 is capable of producing gas in excess of a 560 acre unit gas allowable for the Eumont Pool.

3. That no part of the acreage comprising the E/2 of the NE/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 480-acre non-standard gas proration unit assigned to the SEMU Eumont well No. 66.

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 expansion of the present non-standard gas proration unit by 80 acres for Continental Oil Company's SEMU Eumont well No. 66 as described above.

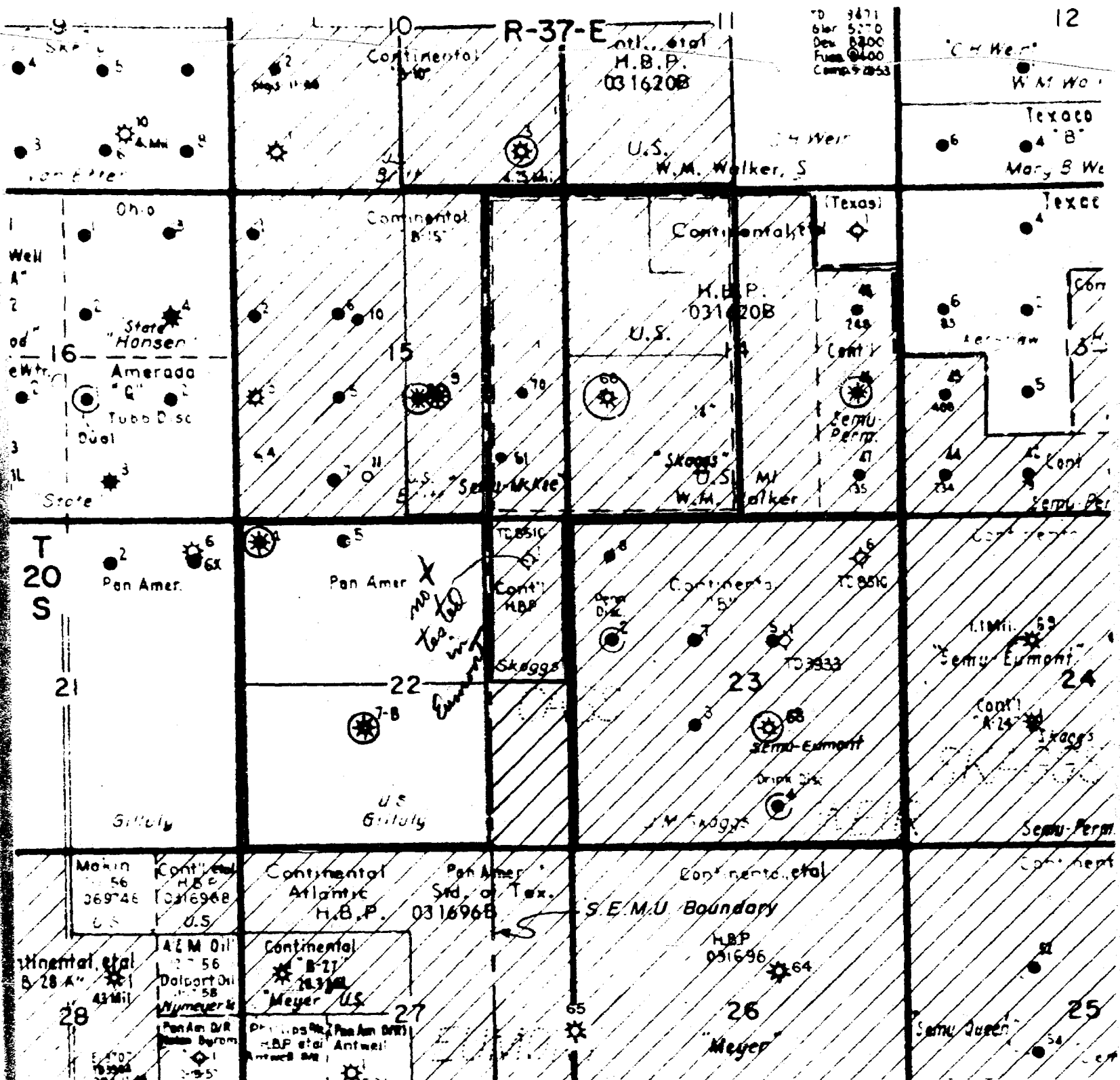
Respectfully submitted,

CONTINENTAL OIL COMPANY

W. A. Mead

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

WAM-EMP



OWNERSHIP MAP - EUMONT AREA

scale: 1" = 2000'

LEGEND

- SEMU-Eumont No.66 Gas Well
- Offset Gas Well
- Present Gas Unit No.66
- Offset Gas Unit
- Proposed Gas Unit No.66
- Continental Acreage Cross-hatched

Continental Oil Co.

Case 2190

12/30/60

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. 2190

Order No. R-1889

APPLICATION OF CONTINENTAL OIL
COMPANY FOR A 560-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 _____ 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 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,
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. 66, located 1980 feet from the South line and 660 feet
from the West line of said Section 14.

(4) That the proposed 560-acre non-standard gas proration
unit can reasonably be presumed to be productive of gas from the
Eumont Gas Pool.

(5) That establishment of the proposed 560-acre non-standard gas proration unit will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That 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, NMPM, Lea County, New Mexico, be and the same is hereby established. 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.

(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.

(3) That Order No. R-910 be and the same is hereby superseded.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

GOVERNOR
EDWIN L. MECHEM
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
E. S. JOHNNY WALKER
MEMBER



P. O. BOX 671
SANTA FE

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

March 7, 1961

Mr. Jason Kellahin
Kellahin & Fox
Box 1713
Santa Fe, New Mexico

Re: Case No. 2190
Order No. B-1889
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. 2190
Order No. R-1889**

**APPLICATION OF CONTINENTAL OIL
COMPANY FOR A 560-ACRE NON-
STANDARD GAS PRORATION UNIT,
HUNMONT 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. Uts, 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. Uts, 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 Hunmont Lease, containing, among other lands, 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, NMPN, 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 Hunmont Gas Pool, with the unit well to be the SEMU Hunmont Well No. 66, located 1980 feet from the South line and 660 feet from the West line of said Section 14.
- (4) That the proposed 560-acre non-standard gas proration unit can reasonably be presumed to be productive of gas from the Hunmont Gas Pool.
- (5) That establishment of the proposed 560-acre non-standard gas proration unit will neither cause waste nor impair correlative rights.

-2-

CASE No. 2190
Order No. R-1889

IT IS THEREFORE ORDERED:

(1) That a 360-acre non-standard gas proration unit in the Humont 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, NMPM, Lea County, New Mexico, be and the same is hereby established. Said unit is to be dedicated to the SUMU Humont Well No. 66, located 1980 feet from the South line and 660 feet from the West line of said Section 14.

(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 Humont Gas Pool as the acreage in said unit bears to the acreage in a standard gas proration unit in the Humont Gas Pool.

(3) That Order No. R-910 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



E. L. Mechem

EDWIN L. MECHAM, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

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

esx/

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 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 SETU Eumont Well No. 66, located 1980 feet from the South line and 660 feet from the West line of said Section 14.

CASE
2190

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

(Marked Applicant's Exhibits
No's. 1 & 2 for identification.)

MR. UTZ: Case 2190.

MR. PAYNE: Case 2190: Application of Continental Oil Company for a 560-acre non-standard gas proration unit.

MR. KELLAHIN: The same appearances as in Case 2187 and that the witness has been sworn.

MR. UTZ: Are there any other appearances in this case? If there are not, we will proceed.

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



as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q State your name, please?

A Edwin R. Anderson.

Q You are the same Mr. Anderson who testified in Case 2187?

A That's right.

Q Are you familiar with the application in Case 2190?

A Yes sir, I am.

Q Would you state what is proposed in the application?

A It's proposed to expand the present non-standard proportion as assigned to SEMU non-standard 66 to include the East Half of the Northeast Quarter of Section 22, Township 20 South, Range 37 East.

Q Referring to what has been made as Exhibit Number 1, could you discuss that Exhibit?

A That is a ownership plat of the interested area showing the present gas unit assigned to the SEMU Eumont No. 66 Well, and it shows the proposed enlarged unit to be assigned to the SEMU Eumont No. 66 Well. It shows offset gas wells and offset gas units. You will notice the North Northeast of the Fourth East of Section 22, Range 37 East, is not allocated to Eumont gas production at this time. The scene at this East Half of the Northeast Quarter is completely surrounded by Eumont gas wells and can reasonably be assumed to be productive of gas from the Eumont Pool in order to allo-



DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO

cate this production for Eumont -- this acreage of Eumont's gas production. Continental applied for expansion of a 400-acre non-standard gas proration established by the Commission of R-910 assigned to SEMU Eumont No. 66, formerly the Skaggs B. 14 No. 1, to include the East Half of the Northeast Quarter of Section 22.

Q Is all of the acreage that you propose to dedicate within the South Eumont Unit?

A That is correct.

Q Is the gas well shown in Section 15 located within the Southeast Monumental Unit?

A No sir, it isn't.

Q Is there any other well to which this acreage could be dedicated?

A Yes sir, outside of the Northeast Monumental Unit.

Q Would this be call or communication?

A That is correct.

Q Mr. Utz, in the proceeding case, inquired as to the status of the well located in the East Half of the Northeast Quarter of Section 22. You say, was that well tested to the Eumont?

A No sir, it was not.

Q Would you supply the Commission with information of the data of the drilling of that well?

A The future date?

Q Yes sir?

A Yes sir.



Q Is the SEMU Eumont No. 66 capable of producing an excess of Eumont gas allowable for a 560-acre non-standard gas unit?

A Yes sir, if you will refer to Exhibit Number 2, which is a four-point back pressure taken on the SEMU Eumont Well No. 66, this test information shows on the calibrated differentiability as 600 pounds for the Pen. is 2,500 LCL per day. This represents the line pressure in the area. The 1960 daily average Eumont gas allowable for a 560 non-standard gas unit was 816 per day.

Q This well has tubes in it?

A Yes sir, it does.

Q Does it produce any liquids?

A I am not that familiar with the liquid production from this type well, sir.

Q In your opinion, would the granting of this application be in the interest of preventing waste and relative rights?

A Yes sir, it would.

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

A Yes.

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

MR. UTZ: Without objection, Exhibits 1 and 2 will be entered into the record.

CROSS EXAMINATION

BY MR. UTZ:

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Q I am going to ask you the same questions of the oil well in Section 15. Are any of those completed in Eumont?

A I am not familiar with these wells. I will supply you with that information.

Q Will you supply us with the information? If there are no oil wells completed in Sections 14 and 15 in the Eumont gas pool, you need only so state. If they are completed in Eumont, then we would like to know the intervalls and the number of wells, as well as the elevations if you have them handy -- I beg your pardon.

A The analyzing?

MR. PORTER: I assume this applies to both cases?

MR. UTZ: Yes sir. Any other questions of the witness?

CROSS EXAMINATION

BY MR. PAYNE:

Q Mr. Anderson, could you give me the present status of this well as to in-balance of under-produce or over-produce?

A The No. 66?

Q Yes sir?

A According to the February proration schedule, the over was well over 17,847 MCL as of January 1, 1961.

Q Which is a further indication that it will produce an allowable that would be assigned under your proposed unit?

A That is correct.

MR. PAYNE: Thank you.

MR. UTZ: Any other questions? The witness may be ex-



cused.

(Witness excused.)

MR. UTZ: Any other statements in this case? The case will be taken under advisement.

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

My commission expires:

January 6, 1965.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2190, heard by me on Feb. 23, 1961.
James A. [Signature], Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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