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CONTINENTAL OIL COMPANY

NSP-415  
(on way)  
Sue March 9, 1958

1958 FEB 7 AM 9:13  
MAIN OFFICE OCC

Roswell, New Mexico  
February 6, 1958

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

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

In the matter of the application of Continental Oil Company for the re-assignment of the non-standard gas proration unit presently allocated to its Sanderson A-11 Well No. 1 to its Sanderson A-11 Well No. 4; said unit consisting of SE/4 and S/2 of SW/4 of Section 11, T-20-S, R-36-E, NMPM, Lea County, New Mexico.

Comes now Continental Oil Company, a Delaware corporation, hereinafter referred to as "Applicant", and petitions the Commission for the reassignment of the non-standard gas proration unit in the Eumont Gas Pool presently assigned to its Sanderson A-11 Well No. 1 to its Sanderson A-11 Well No. 4, said unit consisting of the SE/4 and the S/2 of the SW/4 of Section 11, T-20-S, R-36-E, NMPM, Lea County, New Mexico, and in support thereof would show:

1. That applicant is the operator of a lease designated as the Sanderson A-11 lease consisting of the SE/4 and the S/2 of the SW/4 of Section 11, T-20-S, R-36-E, NMPM, Lea County, New Mexico.
2. That said lease is presently designated as a 240-acre non-standard gas proration unit under Order No. R-990 and is allocated to the applicant's Sanderson A-11 Well No. 1.
3. That the Sanderson A-11 Well No. 1 is a bradenhead gas well and because of loading with water, is incapable of producing its allowable. Remedial work on the Sanderson A-11 No. 1 is not feasible and the gas zone is to be shut in upon the reassignment requested hereby.
4. That applicant dual completed its Sanderson A-11 Well No. 4, located 990' from the South line and 1650' from the East line of said Section 11, for oil production from the Monument Oil Pool and gas production from the Eumont Gas Pool.
5. That the Sanderson A-11 Well No. 4 is capable of producing the allowable for a 240-acre non-standard gas proration unit in the Eumont Gas Pool.

NSP  
cancel  
authorized  
by  
R-990

6. That approval of the proposed reassignment of the non-standard gas proration unit is in the interest of conservation and will serve to prevent waste and protect correlative rights.

7. Copies of this application have been furnished this date by registered mail to all offset operators and all operators within 1,500 feet of said well.

8. That attached hereto is a plat showing well locations, the gas proration unit, and offset ownership. Attached also is the latest back-pressure test on the Sanderson A-11 Well No. 4.

Wherefore, applicant respectfully requests approval by administrative action for the reassignment of the non-standard gas proration unit as applied for, or, in the event of protest, that this matter be set for hearing at the earliest practicable date in accordance with rules and regulations of the Commission.



R. L. ADAMS  
Division Superintendent  
of Production  
New Mexico Division

STATE OF NEW MEXICO }  
COUNTY OF CHAVES } ss

R. L. Adams, upon being duly sworn, deposes and says that he is the Division Superintendent of Production for Continental Oil Company, and as such is authorized to file the foregoing application, that he has read said application and knows the contents thereof, and that the statements made therein are true, as he is credibly informed and believes.



Subscribed and sworn to before me this 6<sup>th</sup> day of February, 1958.

  
Notary Public

My Commission expires:

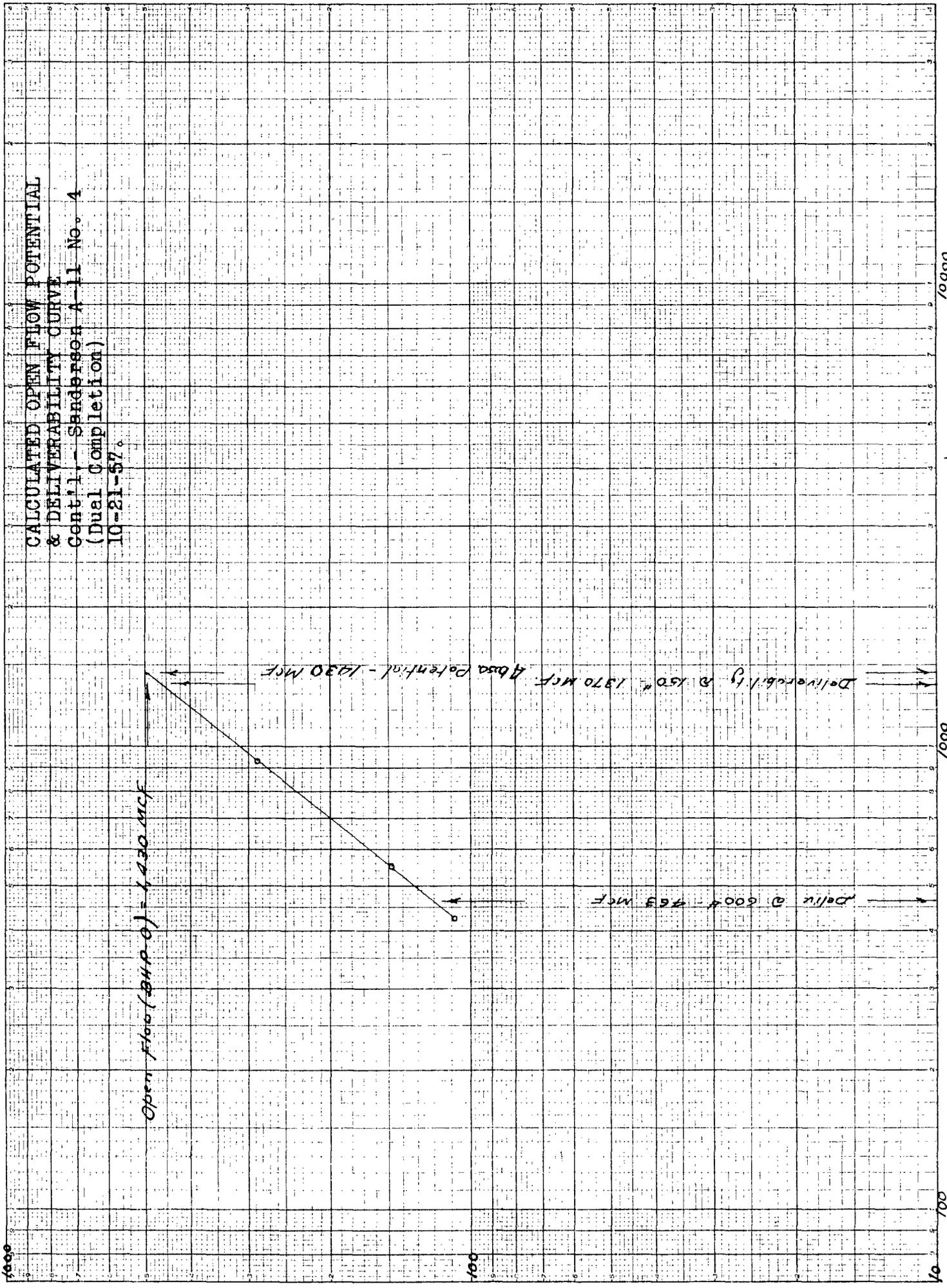
May 25, 1960

Registered to:

Amerada Petroleum Corporation, Box 2040, Tulsa, Oklahoma  
Shell Oil Company, Box 845, Roswell, New Mexico  
Sinclair Oil and Gas Company, Box 1470, Midland, Texas

cc: NMOCC - 3 ✓  
HLJ - 2  
FTE - 1

CALCULATED OPEN FLOW POTENTIAL  
& DELIVERABILITY CURVE  
Cont'l. - Sanderson A-11 No. 4  
(Dual Completion)  
10-21-57.



$P_c^2 - P_w^2$  (thsnds)

1000

100

10000

D - MCF (15.025 psig)

CONTINENTAL OIL COMPANY  
 HORBS DISTRICT  
 GAS WELL DATA

<u>VOLUME</u> (CALCULATED MCFD)	<u>WORKING</u> <u>WELLHEAD PRESSURE (PSIA)</u>	<u>W.H.P.</u> <u><math>P_c^2 - P_w^2</math></u>
	$P_e = 705.2$	$P_c^2 = 497.3$
Q1 423	$P_{w1} = 623.2$	$P_{w1}^2 = 388.5$
Q2 552	$P_{w2} = 590.2$	$P_{w2}^2 = 348.2$
Q3 922	$P_{w3} = 538.2$	$P_{w3}^2 = 290.1$
Q4	$P_{w4} =$	$P_{w4}^2 =$

Volumes were corrected for specific gravity, flowing temperature, atmospheric pressure and supercompressibility when applicable.

Specific gravity 0.670  
 GPM Content NA  
 Water Production None  
 Distillate Production None  
 Distillate Gravity           

\* Note:  
 Fourth point not available since choke was opened completely on third rate of flow and maximum deliverability reached on normal sequence.

CONTINENTAL OIL COMPANY

Hobbs, New Mexico  
October 22, 1957

TO: Mr. E. V. Boynton, Hobbs, New Mexico  
SUBJECT: GAS WELL BACK PRESSURE TEST WELL Sanderson A-11 No. 1 (Dual)  
POOL Eumont  
LOCATION O 11-20-36

A 8 hour back pressure test was conducted on subject well on 10-21-57 to determine the theoretical open flow capacity of the Q gas zone at zero bottom hole pressure and the deliverability characteristics at various rates of flow. Well is producing from Perforations at 3254-3574. A calculated open flow potential of 1,430 MCF of gas per day was obtained.

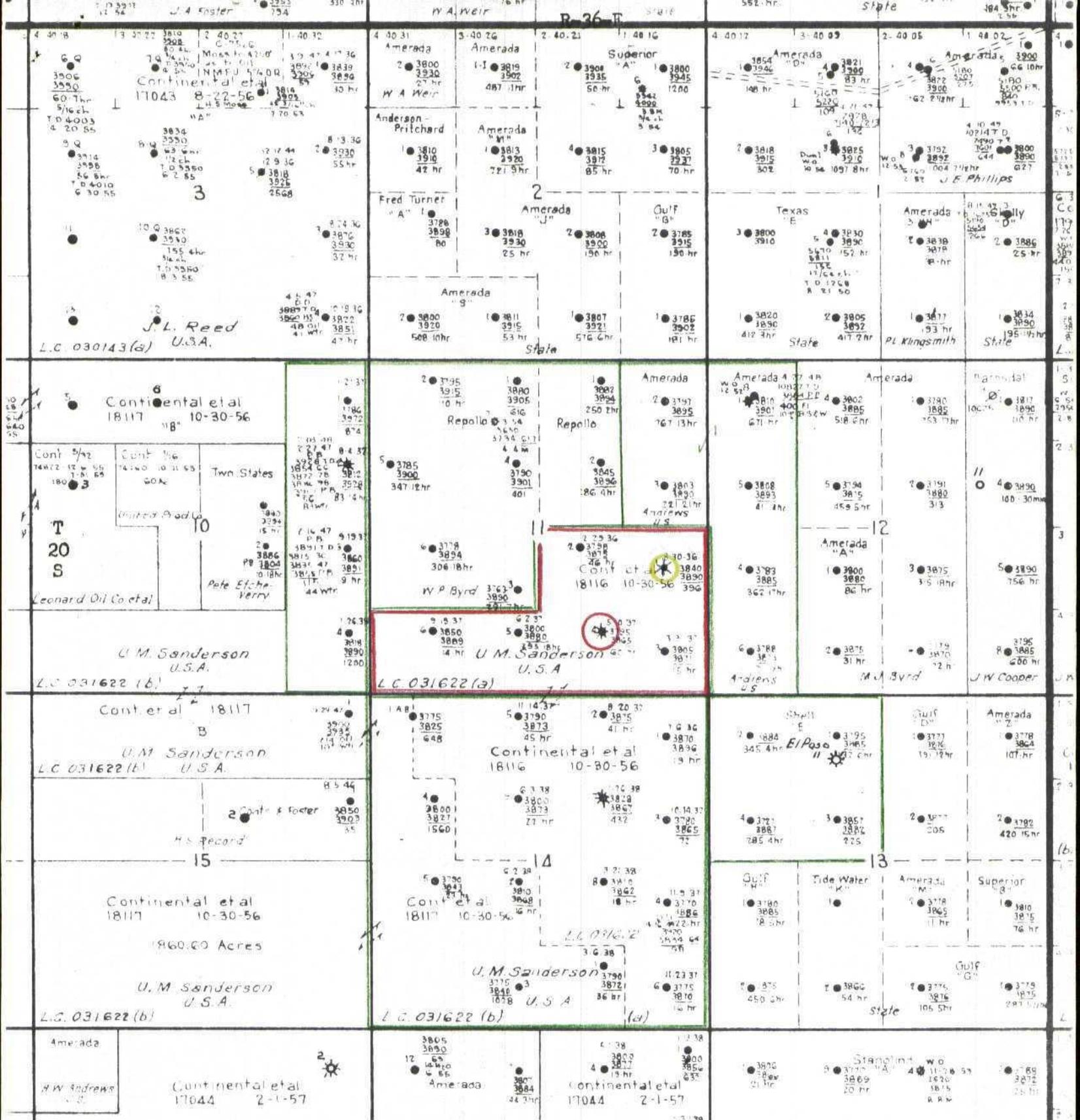
Attached are curves representing the calculated open flow potential and deliverability and a chart tabulating the data obtained by this test.

Calculated open flow potential:	<u>1,430</u>	MCFGPD
Deliverability at 600 lbs. psi:	<u>463</u>	MCFGPD
Deliverability at 150 lbs. psi:	<u>1,370</u>	MCFGPD
Shut in pressure:	<u>705.2</u>	lbs. psia



Gas Tester

CC: EWW HLJ RLA FTE WDH



CONTINENTAL OIL COMPANY  
scale: 1"=2000'

-  SUBJECT GAS UNIT
-  WELL NOW ASSIGNED TO UNIT
-  WELL PROPOSED FOR ASSIGNMENT TO UNIT.
-  OFFSET GAS WELL
-  OFFSET GAS UNIT

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF THE STATE OF NEW  
MEXICO FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 1230  
Order No. R-990

APPLICATION OF CONTINENTAL OIL COMPANY  
FOR AN ORDER ESTABLISHING A 240-ACRE  
NON-STANDARD GAS PRORATION UNIT IN THE  
EUMONT GAS POOL, CONSISTING OF THE SE/4  
AND S/2 SW/4 SECTION 11, TOWNSHIP 20  
SOUTH, RANGE 36 EAST, NMPM, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on March 27, 1957, at Hobbs, New Mexico, before Warren W. Mankin, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 10th. day of May, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Warren W. Mankin, 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 case and the subject matter thereof.

(2) That the applicant is the co-owner and operator of the Sanderson "A-11" Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 11, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico.

(3) That the applicant is the co-owner and designated operator of the following acreage which comprises a portion of the New Mexico Federal Unit: SE/4 and S/2 SW/4 of said Section 11.

(4) That the applicant proposes to dedicate the aforementioned acreage to the said Sanderson "A-11" Well No. 1, to form a non-standard gas proration unit in the Eumont Gas Pool, Lea County, New Mexico.

(5) That the creation of the proposed non-standard gas proration unit will not cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That the application of Continental Oil Company for a 240-acre non-standard gas proration unit in the Eumont Gas Pool, consisting of the SE/4 and S/2 SW/4 of Section 11, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, be and the same is hereby approved and a non-standard gas proration unit consisting of the aforesaid acreage is hereby created, said unit to be dedicated to applicant's Sanderson "A-11" Well No. 1, located in the NE/4 of the SE/4 of said Section 11.

(2) That the said Sanderson "A-11" Well No. 1 be granted an allowable in the proportion that the acreage in the aforementioned unit bears to the acreage in a standard proration unit for the Eumont Gas Pool in accordance with Rule 8 of the Special Rules and Regulations for the Eumont Gas Pool as set forth in Order No. R-520.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

MURRAY E. MORGAN, Member

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

S E A L

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