

## CAULKINS OIL COMPANY

MAIL OFFICE 338

BOX 780

FARMINGTON, NEW MEXICO

1963 FEB 12 AM 8 22

February 8, 1963

Mr. A. L. Porter, Jr., Secretary - Director  
New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Dear Sir:

This is to request an exception to Rule 303 as provided in Section 2, Subsection B of Commission Order Number R 2060, to permit the commingling of liquid production from our Breech "F" Well Number PMD-8, Unit A of Section 34-27N-6W, Rio Arriba County, New Mexico.

This well is a triple completion producing gas from the Pictured Cliffs zone (South Blanco Pictured Cliffs Pool), gas and distillate from the Mesa Verde Zone (Blanco Mesa Verde Pool), and gas and distillate from the Dakota Zone (Basin Dakota Pool). The working interests and royalty interests are the same for all three zones.

Administrative approval to commingle the liquid production from the Mesa Verde and Dakota Zones is requested so that the operation of the well may be simplified and to permit the salvage of part of the equipment now in use at the well. The gas production from the two zones will not be commingled.

Following is the record of liquid production for the year 1962:

Month	Mesa Verde Zone		Dakota Zone	
	Days on line	Barrels	Days on line	Barrels
January	23	14	12	46
February	28	38	1	7
March	31	9	24	129
April	6	29	8	53
May	31	30	0	0
June	30	26	0	0
July	31	32	0	0
August	24	26	0	0
September	26	14	0	0
October	31	32	0	0
November	30	31	0	0
December	22	12	19	113
Total	313	293	64	348



Mr. A. L. Porter, Jr.

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From the above report it is apparent that there is a great difference in operating time of the two zones. It will therefore be possible to test each zone frequently enough to accurately estimate the liquid production from each zone monthly.

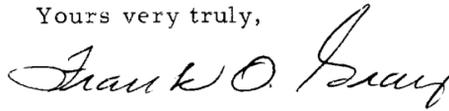
Recent tests of the distillate from the well showed the following:

	<u>Mesa Verde</u>	<u>Dakota</u>
Gravity	67.1	58.9
Reid Vapor Pressure	12.3	13.2
Price	\$ 2.14	\$ 2.29

Due to the difference in flowing time of the two zones it is difficult to calculate how much the mixing of the liquids would affect their value but due to the small volume involved, the commingling probably would have very little effect on income from the sale of the liquids.

This well is located on Federal Lease Number SF 03547 and a copy of a letter from the Roswell, New Mexico, office of the United States Department of the Interior, Geological Survey, approving the commingling plan is sent herewith; also sent herewith is a plat showing all wells on the lease and a schematic diagram showing the proposed commingling equipment installation. Liquid production would be trucked from the tank shown on the diagram to tank number 1054 on the El Paso Natural Gas Products Company gathering line in section 4-26N-6W. The liquid production (distillate) would be sold to them from that tank.

Yours very truly,



Frank O. Gray

**cc New Mexico Oil Conservation Commission  
1000 Rio Grande Road  
Astec, New Mexico**



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico

October 1, 1962

Caulkins Oil Company  
P. O. Box 780  
Farmington, New Mexico

Attention: Mr. Frank Grey

Gentlemen:

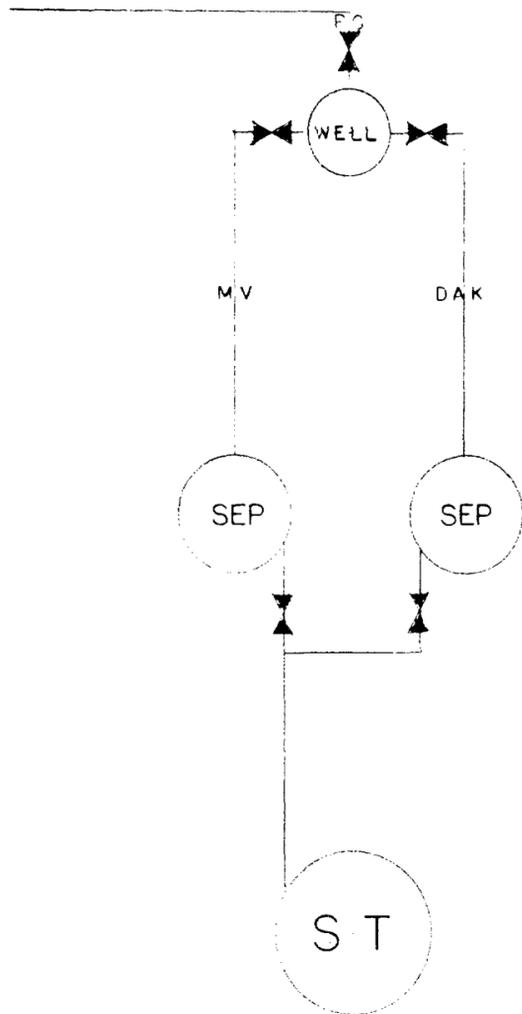
Your letter of September 18 requests approval to commingle Mesaverde, Dakota, and Greenhorn condensate production from wells 4 and 8 on Federal lease NM 03547, well 58 on lease NM 03551, and well 224 on lease NM 03733 in common tankage at each well.

The method of commingling described by your letter is hereby approved with the understanding that the condensate production will be commingled in common storage on each individual leasehold and there will be no commingling of production between the different leases.

You are requested to notify our Farmington office when the installation is completed so that a field inspection of the system can be made.

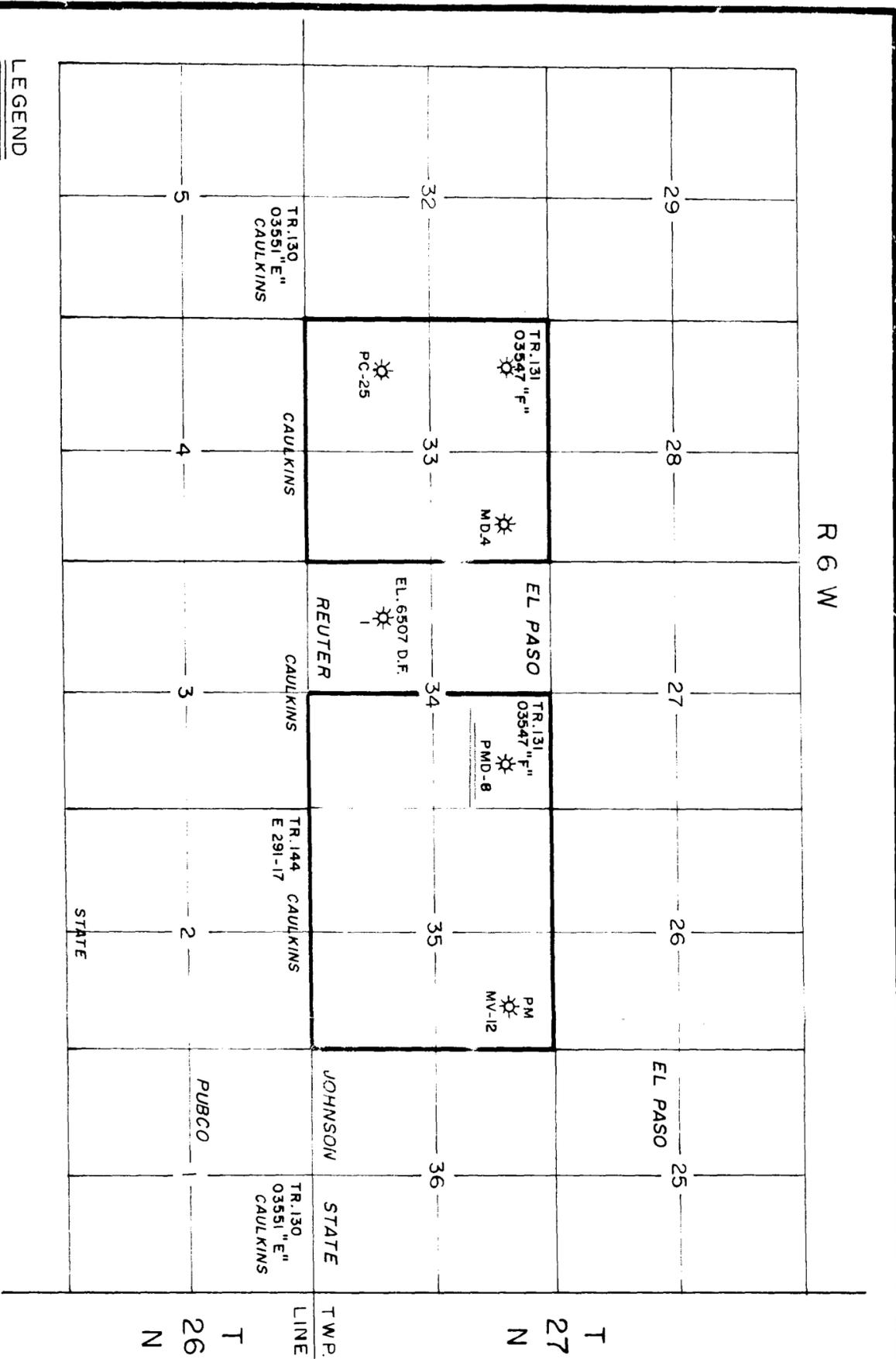
Very truly yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor



SCHEMATIC DIAGRAM OF PROPOSED  
 INSTALLATION FOR COMMINGLING  
 LIQUID PRODUCTION FROM MESA  
 VERDE AND DAKOTA ZONES

CAULKINS OIL COMPANY  
 BREECH "F" WELL NO. PMD-8  
 UNIT A OF SECTION 34-27N-6W



**LEGEND**

P OR PC.....PICTURED CLIFFS WELL.....SOUTH BLANCO POOL  
 C.....CHACRA WELL  
 M OR MV.....MESA VERDE WELL.....BLANCO POOL  
 T.....TOCITO WELL  
 D.....DAKOTA WELL.....BASIN POOL  
 PM.....DUAL COMPLETION-PICTURED CLIFFS-MESA VERDE WELL  
 PMD.....TRIPLE COMPLETION-PICTURED CLIFFS-MESA VERDE-  
 DAKOTA WELL



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 T  
 N BREECH "F" LEASE - FEDERAL NO. 03547

<b>CAULKINS OIL COMPANY</b>	
BREECH "F" LEASE - FEDERAL NO. 03547	
IN SECS. 33-34-35, T 27N, R6W, NMPM	
RIO ARRIBA COUNTY	NEW MEXICO
SCALE 2 INCHES = 1 MILE	DECEMBER 1962
E. V. ECHOHAWK FARMINGTON	NEW MEXICO