Joe Ramey

Union Oil Company of California

Post Office Box 760, Moab, Utah 84532
Telephone (801) 686-2236

UNION 76

October 28, 1981

State of New Mexico
Energy and Mineral Department
Oil Conservation Division
100 Rio Brazos Road
Aztec, New Mexico 87410

Attention: Mr. F.T. Chavez

APPLICATION FOR SURFACE COMMINGLING
MONTOYA WELL #1-A34
SECTION 34-T32N-R13W
BASIN DAKOTA FIELD
SAN JUAN COUNTY, NEW MEXICO

Gentlemen:

Union Oil Company of California requests approval to surface commingle commonly owned condensate production from the Mesa Verde and Dakota formations in the Montoya Well #1-A34, Section 34-T32N-R13W, San Juan County, New Mexico. This is an exception to Rule 303-A as set forth in Rule 303-B, Rules and Regulations of the New Mexico Oil Conservation Division. This well is not on a state or federal lease.

The Montoya #1-A34 was recently completed as a Mesa Verde-Dakota dual completion. The Dakota was perforated from 6,720 to 6,874' and tested 300 MCFD with a trace of condensate at 210 psi FTP. The Mesa Verde was perforated from 4,488 to 4,731' and tested 818 MCFD with a trace of condensate at 720 psi FTP. Presently, the well is shut in waiting on a pipeline connection. Pertinent data for the fluid from each zone follows:

ZONE	MESA VERDE	DAKOTA	EXPECTED COMMINGLED STREAM
Oil Gravity	56.6	66.3	61.4
Oil Value ($)	35.00	35.00	35.00
Expected Volume (BCPD)	1	1	2

As shown in the above table the condensate value for commingled production will not have less value that the value of separate condensate production strings. Production will be metered by flocos before commingling.

Attached is documentation supporting this application. Should additional documentation be required, please contact the undersigned.

Yours Very Truly,

B.R. Govreau

B.R. Govreau
Area Supt.

BRG:aj

cc: LLR

Attachment

CenrefLabs Century Refining Company, A Panhandle Eastern Company

ANALYSIS OF LIQUID HYDROCARBONS

Laboratory No. C81CRS-085 — Date Run October 16, 1981
Company Union Oil Company of California — Date Sampled
Requested By Steven W. Gregory — Sampled By

Sample Description: A 50:50 mixture of Basin Dakota + Mesa Verde

Results of ASTM D-86 Method Distillation.

% Recovered	Temp. °F.
I.B.P.	87
5	112
10	128
20	157
30	181
40	202
50	223
60	246
70	280
80	335
90	469
decomposition point	497

% Evaporated at 100 Degrees F.	
% Evaporated at 140 Degrees F.	
% Evaporated at 167 Degrees F.	
% Evaporated at 284 Degrees F.	
% Evaporated at 310 Degrees F.	
% Evaporated at 392 Degrees F.	
% Evaporated at 400 Degrees F.	
% Evaporated at 437 Degrees F.	
% Evaporated at 525 Degrees F.	
% Evaporated at 572 Degrees F.	
% Recovery	92.6
% Residue & Loss	7.4

MISCELLANEOUS PHYSICAL AND CHEMICAL ANALYSES:

Color		Pour Point	
Reid Vapor Pressure @ 100 °F.		% Sulfur	
A.P.I. Gravity	61.4	Doctor Test	
% Water		Corrosion Number	
% Sediment		Other	

Remarks:

cc:
Union-Moab(SWGregory)
CRC-Lib
CRC-2

ACCOUNT NUMBER
INVOICE Union Oil Company of California
P. O. Box 760(Lisbon Valley) Moag, Utah 84532
Attn: S. W. Gregory

R. Pamela Webb
Analyst

CR24 2/78

Cenref Labs Century Refining Company, A Panhandle Eastern Company

ANALYSIS OF LIQUID HYDROCARBONS

Laboratory No. C81CRS-081
Date Run October 16, 1981
Company Union Oil Company of California
Date Sampled
Requested By Steven W. Gregory
Sampled By

Sample Description: Montoya 1-A34 Mesa Verde

Results of ASTM D-86 Method Distillation.

% Recovered	Temp. °F.
I.B.P.	88
5	122
10	152
20	183
30	215
40	238
50	266
60	301
70	347
80	418
90	548
Decomposition point	565

% Evaporated at 100 Degrees F.	
% Evaporated at 140 Degrees F.	
% Evaporated at 167 Degrees F.	
% Evaporated at 284 Degrees F.	
% Evaporated at 310 Degrees F.	
% Evaporated at 392 Degrees F.	
% Evaporated at 400 Degrees F.	
% Evaporated at 437 Degrees F.	
% Evaporated at 525 Degrees F.	
% Evaporated at 572 Degrees F.	
% Recovery	92.4
% Residue & Loss	7.6

MISCELLANEOUS PHYSICAL AND CHEMICAL ANALYSES:

Color	
Reid Vapor Pressure @ 100 °F.	
A.P.I. Gravity	56.6
% Water	
% Sediment	
Pour Point	
% Sulfur	
Doctor Test	
Corrosion Number	
Other	

Remarks: approximately 1000 psi

cc:

Union-Moab (SWGregory)
CRC-Lib
CRC-2

ACCOUNT NUMBER
INVOICE Union Oil Company of California
P. O. Box 760 (Lisbon Valley) Moab, Utah 84532
Attn: S. W. Gregory

RECEIVED
NOV 3 - 1981
OIL CON. COM.
DIST. 3

Analyst

CR24 2/78

CenrefLabs Century Refining Company, A Panhandle Eastern Company

ANALYSIS OF LIQUID HYDROCARBONS

Laboratory No. C81CRS-080 | Date Run October 16, 1981
Company Union Oil Company of California | Date Sampled
Requested By Steven W. Gregory | Sampled By

Sample Description: Montoya 1-A34 Basin Dakota

Results of ASTM D-86 Method Distillation.

% Recovered	Temp. °F.
I.B.P.	82
5	108
10	121
20	145
30	166
40	184
50	202
60	221
70	242
80	273
90	
Decomposition point	340

% Evaporated at 100 Degrees F.	
% Evaporated at 140 Degrees F.	
% Evaporated at 167 Degrees F.	
% Evaporated at 284 Degrees F.	
% Evaporated at 310 Degrees F.	
% Evaporated at 392 Degrees F.	
% Evaporated at 400 Degrees F.	
% Evaporated at 437 Degrees F.	
% Evaporated at 525 Degrees F.	
% Evaporated at 572 Degrees F.	
% Recovery	89.8
% Residue & Loss	10.2

MISCELLANEOUS PHYSICAL AND CHEMICAL ANALYSES:

Color		Pour Point	
Reid Vapor Pressure @ 100 °F.		% Sulfur	
A.P.I. Gravity	66.3	Doctor Test	
% Water		Corrosion Number	
% Sediment		Other	

Remarks: approximately 1500 psi

cc:
Union-Moab(SWGregory)
CRC-Lib
CRC-2

ACCOUNT NUMBER
INVOICE Union Oil Company of California
P. O. Box 760(LisbonValley) Moab,Utah
84532 Attn: S. W. Gregory

R. Vande Velde
Analyst

CR24 2/78

STATE OF NEW MEXICO
Y AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
UNION OIL CO. OF CALIFORNIA	MONTOYA 34	1A

Unit Letter	Section	Township	Range	County
A	34	32N	13W	San Juan

Actual Footage Location of Well:
900 feet from the North line and 700 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5814			Acres

RECEIVED
NOV 06 1981
OIL CONSERVATION DIVISION
SANTA FE

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

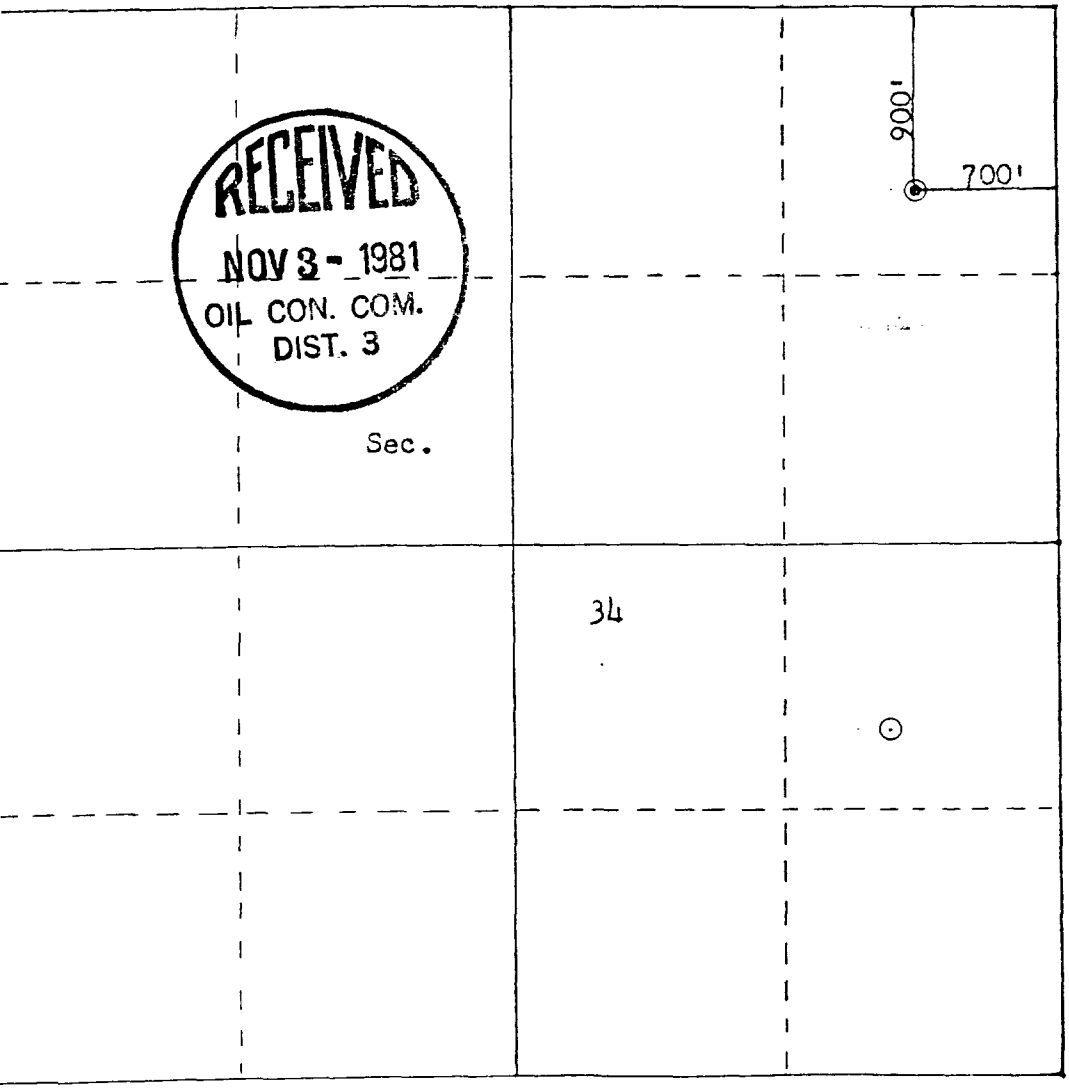
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Position

Company

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 18, 1980

Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.

Certificate No.
3950

PRODUCTION EQUIPMENT
Montoya 1-A34
Basin Dakota Field
San Juan Co., New Mexico
10-10-81
SWG