

Release January 15, 1985

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984



New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Gilbert Quintana

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Gentlemen:

We have enclosed all necessary data for administrative approval to commingle production in the referenced well.

Questions concerning this request can be directed to Mr. David Balusek at (303/740-2494).

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "Paul Doyle".

Paul Doyle
Division Production Engineer

SMc:srp

Enclosures

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984

Northwest Exploration Co.
1125 17th St., Suite 2100
Denver, CO 80217

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Gentlemen:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: _____ Title: _____

Date: _____

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984

Jerome P. McHugh
650 S. Cherry St., Suite 1225
Denver, CO 80222

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Dear Mr. McHugh:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

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Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: _____ Title: _____

Date: _____

Tenneco Oil
Exploration and Production
A Tenneco Company

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P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984

✓ Southern Union Exploration Co.
P. O. Box 2179
Farmington, NM 87499

Attn: Michael Davies

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Dear Mr. Davies:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: _____ Title: _____

Date: _____

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984

El Paso Natural Gas
P. O. Box 4990
Farmington, NM 87401

Attn: Don Reed

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Dear Mr. Reed:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: _____ Title: _____

Date: _____

The Jicarilla C #5-M was drilled and completed in August, 1980, as a dual Mesaverde-Dakota completion. The Mesaverde produces through a string of 2 1/16" tubing, and the Dakota produces through a string of 2 3/8" tubing. In early 1984, the well failed a packer leakage test indicating a packer failure or a tubing leak. An attempt was made to pull the 2 3/8" tubing to rectify the problem, but the 2 3/8" string was found to be stuck. The 2 3/8" tubing was cut at the freepoint, pulled and hydrotested in the hole. No leaks were found in the tested tubing, and the 2 3/8" tubing was repaired with a tubing patch. This procedure met with failure as the well subsequently did not pass a packer leakage test. The well has been shut in since that time.

The bottom hole pressures in the Dakota and Mesaverde were not determined in the Jicarilla C 5-M, because the communication between zones would make the measurements inaccurate. To determine the shut in bottom hole pressures in the Dakota and the Mesaverde, pressure bombs were run in two offset wells, the Jicarilla C 8-A (Mesaverde) and the Jicarilla C 4-E (Dakota). The bottom hole pressure of the Dakota in the Jicarilla C 4-E was found to be 970 PSIG at 7200' after 8 days of shut in. This Dakota pressure corrected to a datum of 5450' is 894 PSIG. The bottom hole pressure of the Mesaverde in the Jicarilla C 8-A was found to be 609 PSIG at 5450' after 8 days of shut in. The shut in bottom hole pressure of the Mesaverde is 68% of the Dakota shut in bottom hole measured at the common datum of 5450'. These pressures meet the requirement that the lower pressured zone have a pressure that is greater than 50% of the pressure of the higher pressured zone corrected to a common datum.

A compatibility test was conducted using produced Dakota water from the Jicarilla C 4-E and produced Mesaverde water from the Jicarilla C 7-A. The test indicated that no scale or precipitate should result from the commingling of these two zones. In addition, the salinities of the two zones are similar enough that no formation damage should occur in either zone.

Based upon the enclosed decline curves and reserve estimates for these zones, I recommend that the production be allocated on a strict percentage basis with 91% assigned to the Dakota and 9% assigned to the Mesaverde.

If any additional information is required, please feel free to call me at 303-740-2494.

David K. Balusek

David K. Balusek
Production Engineer

JICARILLA C #5-M
DETERMINATION OF ALLOCATION PERCENTAGES

The Decline Rates and Reserve Estimates for the Mesaverde and Dakota are listed below:

<u>ZONE</u>	<u>DECLINE PERCENTAGE</u>	<u>REMAINING RESERVES</u>
DAKOTA	19%	450 MMCF
MESAVERDE	20%	43 MMCF

DB/dw:3903

JICARILLA C 4-E

DATE: 12/12/84
FILE: JICC4E
PROJ: 0

G A S W E L L P R E S S U R E S

>MEASURED DEPTH, FEET	5450.	FLOW STREAM ID, INCHES	0.
TRUE VERTICAL DEPTH, FEET	5450.	FLOW STREAM OD, INCHES	1.995
GAS GRAVITY	0.691	CRITICAL TEMPERATURE	387.
BOTTOM HOLE TEMPERATURE	150.	CRITICAL PRESSURE	666.
NITROGEN, MOL %	0.	CONDENSATE GRAVITY, DEG API	50.0
CARBON DIOXIDE, MOL %	0.	WATER GRAVITY	1.010
HYDROGAN SULFIDE, MOL %	0.	PIPE ROUGHNESS, INCHES	0.00060

GAS RATE M/D-----	WH TEMP DEG F--	WELLHEAD PSIG-----	BOTTOMHOLE PSIG-----	P/Z PSIG-----	CONDENSATE STB/MMCF--	WATER BW/MMCF--
0.	75.	773.	894.♦	997.	0.	0.

♦ COMPUTED VALUE

THIS IS THE DAKOTA BOTTOM HOLE
PRESSURE CORRECTED TO A DATUM OF
5450'.
PRESSURE AT 5450' = 894 PSIG

B & R SERVICE, INC.

P. O. Box 1048
Farmington, New Mexico 87499
(505) 325-2393

Company TENNECO OIL CO. Lease JICARILLA Well C-8A MV
County RIO ARRIBA State NEW MEXICO Date 11-7-84
Shut-In _____ Zero Point G.L. Tbg. Pressure 514
Casing Pressure 536 Tbg. Depth 2 3/8" @ 5836 Casing Perf. _____
Max. Temp. _____ Fluid Level NONE

<u>DEPTH</u>	<u>PSIG</u>	<u>GRADIENT</u>
0	512	----
1000	530	.018
2000	542	.012
3000	567	.025
4000	585	.018
5000	600	.015
5450	609	.020



SMITH ENERGY SERVICES

Division of Smith International, Inc.

2198 East Bloomfield Highway
Farmington, New Mexico 87401
Phone (505) 327-7281

September 21, 1984

Tenneco Oil Co.
Western Rocky Mtn. Div.
P.O. Box 3249
Englewood, Co. 80155

ATTN: David Balusek

Dear Mr. Balusek:

A compatibility study was conducted using the following formation water samples:

1. Jicarilla C 4E Dakota formation
2. Jicarilla C 7A Mesa Verde formation

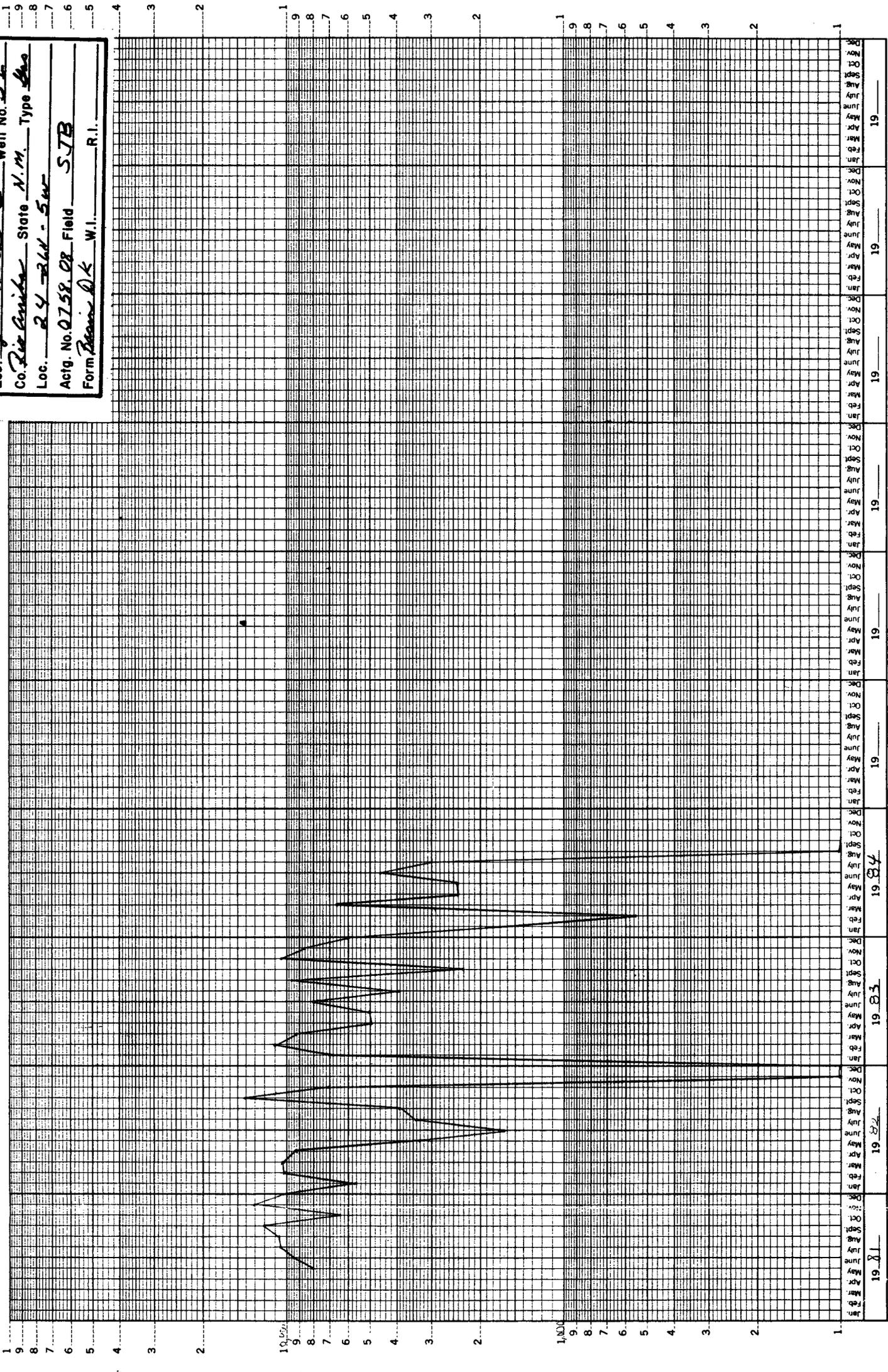
A small amount of reddish orange precipitate formed, but this is to be expected when oxygen is admitted to a water sample containing even a trace of iron. This precipitate should pose no problems in a closed system. No solid precipitates of any other type was noted and these samples should be considered to be compatible for mixing in any concentrations needed.

Sincerely,
SMITH ENERGY SERVICES

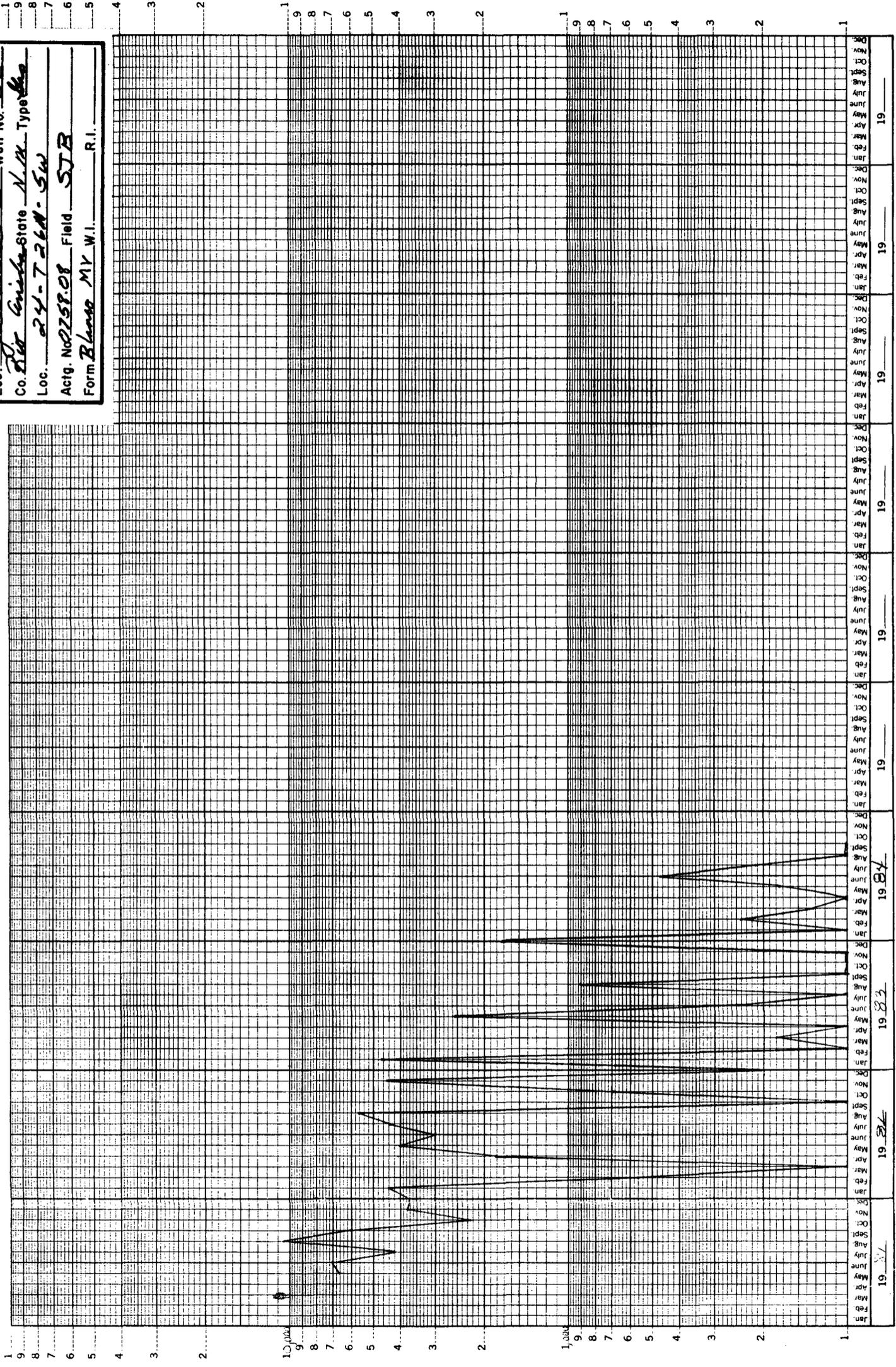
Loren L. Diede
District Engineer

KKD/kr

TENNECO OIL COMPANY Company Operated
 Lse. Jacobsella C Well No. 5E
 Co. Rice Unit State N.M. Type Gas
 Loc. R 4 - 24th - 5th
 Actg. No. 0158-08 Field SJB
 Form Beaver Dk W.I. R.I.



TENNECO OIL COMPANY Company Operated
 Lse Givensville C Well No. 5E
 Co. Sta. Conitaco State N.H. Type W
 Loc. 24-7-26A-5W
 Acq. No. 215808 Field SJB
 Form Blanco M.Y. W.I. R.I.



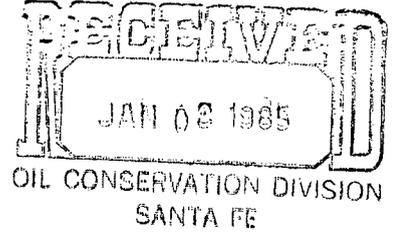
**Tenneco Oil
Exploration and Production**
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

December 18, 1984



Jerome P. McHugh
650 S. Cherry St., Suite 1225
Denver, CO 80222

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Dear Mr. McHugh:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: Jerome P. McHugh Title: _____
Date: 12-20-84

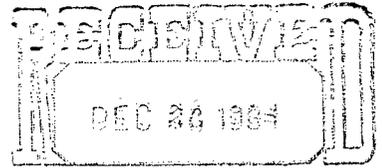
DAC-548

**Tenneco Oil
Exploration and Production**
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division



December 18, 1984

OIL CONSERVATION DIVISION
SANTA FE

El Paso Natural Gas
P. O. Box 4990
Farmington, NM 87401

Attn: Don Reed

RE: Jicarilla C-5M
Sec. 24, T26N, R5W
Rio Arriba County, NM

Dear Mr. Reed:

Tenneco has applied for administrative approval to commingle production from the Mesaverde and Dakota zones in the above referenced well. If you as an offset operator have no objection to the proposed commingling, please sign the waiver at the bottom of this page and forward to:

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P. O. Box 2088
Santa Fe, New Mexico 87501
Attention: Gilbert Quintana

We would appreciate your returning one copy to the undersigned.

Very truly yours,

TENNECO OIL COMPANY

Paul Doyle
Division Production Engineer

SMc:srp

WAIVER

We hereby waive any objections to Tenneco Oil Company's application to commingle production as set forth above.

Name: El Paso Exploration Co. Title: Donald R. Reed
Date: 12-21-84 District Op. Manager

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

March 4, 1985

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. David Catanach

Re: Jicarilla C 5-M
Section 24, T26N, R5W
Rio Arriba County, New Mexico

Gentlemen:

Please find enclosed the additional information requested regarding the Jicarilla C 5-M Commingling application. If you have any further questions, please do not hesitate to call me at (303) 740-2494.

Sincerely,

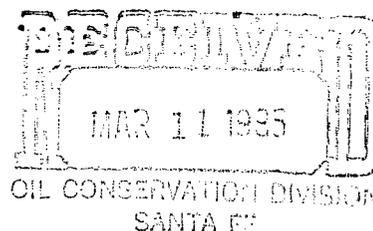
TENNECO OIL COMPANY

David K. Balusek

David K. Balusek
Production Engineer

Enclosure

DKB:mmm:4435



GAS-OIL RATIO TESTS

Operator: Tenneco Oil Company Pool: Basin Dakota County: Rio Arriba

Address: Box 3249, Englewood, CO 80155

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL		
		U	S	T							WATER BBL.	CRAV. OIL	OIL BBL.		GAS M.C.F.	
Jicarilla C	5M	A	24	26	5	12/8/84	F	N/A	389	-0-	24	-0-	56.0	5	207	41,400

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio tests, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.63.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Keep original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 231 and appropriate pool rules.

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

Charles E. Lusk
(Signature)

Walt Brant
(Title)

February 26, 1985

Operator: **Tenneco Oil Company** Pool: **Bianco Mesa Verde** County: **Rio Arriba**

Address: **P.O. Box 3249, Englewood, CO 80155**

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	DURATION OF TEST (hours)	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBL'S.	GRAV. OIL BBL'S.	GAS M.C.F.		C.U.F.T./BBL.	
Jicarilla C	5M	A	24	26	5	12/7/84	F	N/A	390	-0-	24	-0-	56.0	5	674	134800

No well will be assigned an allowable greater than the amount of oil produced on the official test.
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Division.
 Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.
 Report casing pressure in lieu of tubing pressure for any well producing through casing.
 Not original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 201 and appropriate pool rules.

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

Lawrence E. ...
 (Signature)
 February 26, 1985

JICARILLA C S-M

1-8-85

LOCATION: 760' PERL & 760' PERL, UNIT A, SEC. 24
T36N, R27W, RIO ARriba COUNTY,
NEW MEXICO

W.L.: 0.250
R.L.: 0.21475
DRILL COST: \$ 277954
COMP COST: \$ 252809

KL EL: 6652'
KB EL: 6664'
COMP. DATE: 8-19-80
TURN ON: 5-19-81

7-2-80: PT CSO TO 5500 PSI. PERF 7466'-71',
7561'-84', 7606'-08', 7615'-18', 7644'-54'
W 2 SPF (DANOTA). ACIDIZE W 2000 GAL.
15% HCL & 159 BALLS. RATE: 3.2 BPM &
5000 PSI. FRAC W 80000 GAL XL SBL &
80000# 20-40 SAND & 20000# 10-20 SAND
FRAC RATE: 55.6 BPM & 2850 PSI. ISIP:
2000 PSI.

7-8-80: SHY HRP & TEST TO 2500 PSI. SPOT 500 GAL
7 1/2% HCL. PERF 5238'-48', 5284'-90',
5385'-05', 5415'-19', 5434'-26', 5443'-47',
5479'-55' W 3 JSPF (MENEFERE/POINT
LOOKOUT MESAVERDE). ACIDIZE W 1500 GAL.
15% HCL & 95 BALLS. RATE: 41 BPM &
2400 PSI. FRAC W 2050 SBL. 1% HCL WATER
& 44100# 20-40 SAND. FRAC RATE: 100 BPM
& 1700 PSI. ISIP: 1250 PSI.

7-9-80: SPOT 500 GAL 7 1/2% HCL. PERF. 4907'-10',
4916'-18', 4931'-25', 4938'-40', 4946'-54'
W 2 JSPF. (CLIFFHOUSE MESAVERDE). ACIDIZE
W 1500 GAL. 15% HCL & 51 BALLS. RATE:
41 BPM & 2400 PSI. FRAC W 1150 SBL. 1%
HCL WATER & 44100# 20-40 SAND. FRAC
RATE: 51 BPM & 1800 PSI. ISIP: 850 PSI.
I.P.:

DAKOTA: 2015 MCFD, 3 HR, 1845 PSI BIWHP
MESAVERDE: 4259 MCFD, 3 HR, 1125 PSI BIWHP

7-20-84: ATTEMPT TO POOH W 2 1/2" STRING. TBG
STUCK. RIM W FREEPOINT. TBG STUCK AT 7370'.

8-3-84: POOH W 2 1/2" STRING. RIM W CHEMICAL
CUTTER & CUT 2 1/2" STRING AT 7275'.
POOH. HYDROTEST INTO HOLE & REPAIR TBG
W TBG PATCH. RIM W 2 1/2" STRING.

2 1/2" 36.0 K-55 AT 284'.
CMTD. W 200 SK TO SURF.
(HOLE: 2 1/2")

OV AT 4723'. CMTD W 800 SK

SHORT STRING: 2 1/16", 3.25,
LJ AT 4992'

PERFS 4907'-4954'
(CLIFFHOUSE MESAVERDE)
PERFS 5238'-5483'
(MENEFERE MESAVERDE)

T.O.L. AT 5661'

7", 33.0, K-55 AT 5832'
CMTD W 300 SK. (HOLE: 8 1/2")

LONG STRING: 2 1/8", 4.7, J-55
AT 7390'

BOWEN TBG PATCH AT 7275'

FILL TO 7370'

MODEL "F" PWR AT 7390'

PERFS 7456'-71', 7561'-84',
7606'-08', 7615'-18', 7644'-54'
W 2 SPF (DANOTA)

4 1/2", 10.5 & 11.6, K-55 AT 7703'
CMTD W 300 SK TO T.O.L.
(HOLE: 4 1/2")

TD 7705'

46 1326

10 X 10 TO 1/2 INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

K&E

LOCATION: 250' PERI & 250' PERI, UNIT A, SEC. 24
T24N, R24W, RIO ARriba COUNTY,
NEW MEXICO

1985

W.I.: 0.150
B.I.: 0.11875
DRILL COST: \$199954
COMP COST: \$254009

KL EL: 6652'
KB EL: 6664'
COMP. DATE: 8-19-80
TURN ON: 5-19-81

PROPOSED

7-2-80: FT 250 TO 2500 PSI. PERF 7466'-71',
7561'-64', 7606'-58', 7613'-18', 7644'-54'
2 SPF (DAKOTA). ACIDIZE W 2000 GAL.
15% HCL & 159 BALLS. RATE: 3.2 BPM &
3000 PSI. FRAC W 80000 GAL XL OIL &
80000# 20-40 SAND & 20000# 10-20 SAND
FRAC RATE: 55.5 BPM & 2350 PSI. ISIP:
3000 PSI.

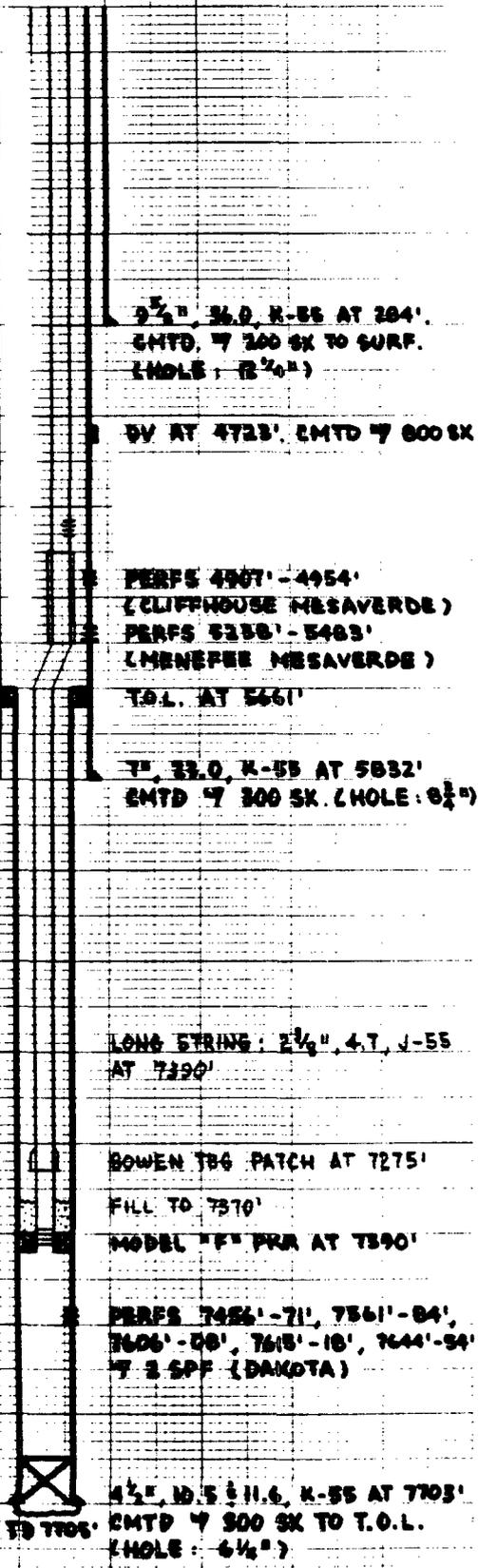
7-8-80: 5MT REP & TEST TO 2500 PSI. SPOT 300 GAL
7 1/2% HCL. PERF 5238'-48', 5284'-20',
5385'-05', 5415'-19', 5428'-26', 5443'-47',
5479'-38' W 2 JOPP (MENEFE/POINT
LOOKOUT MESAVERDE). ACIDIZE W 1500 GAL.
15% HCL & 76 BALLS. RATE: 41 BPM &
2400 PSI. FRAC W 1050 OIL. 1% HCL WATER
& 44100# 20-40 SAND. FRAC RATE: 100 BPM
& 1700 PSI. ISIP: 1250 PSI.

7-9-80: SPOT 500 GAL. 7 1/2% HCL. PERF. 4907'-10',
4916'-18', 4931'-33', 4938'-40', 4946'-54'
W 2 JOPP (CLIFFHOUSE MESAVERDE). ACIDIZE
W 1500 GAL. 15% HCL & 51 BALLS. RATE:
41 BPM & 2400 PSI. FRAC. W 1050 OIL. 1%
HCL WATER & 44100# 20-40 SAND. FRAC
RATE: 51 BPM & 1800 PSI. ISIP: 850 PSI.
I.P.

DAKOTA: 2015 MCFD, 3 HR, 1845 PSI BIWHP
MESAVERDE: 4259 MCFD, 3 HR, 1125 PSI BIWHP

7-20-84: ATTEMPT TO POOH W 2 1/2" STRING. TBG
STUCK. RIN W FREEPOINT. TBG STUCK AT 7270'.

8-2-84: POOH W 2 1/2" STRING. RIN W CHEMICAL
BUTTER & CUT 2 1/2" STRING AT 7275'.
POOH. HYDROTEST INTO HOLE & REPAIR TBG
W TBG PATCH. RIN W 2 1/2" STRING.



46 1326

K&E 10 X 10 TO 1/2 INCH 7 X 10 INCH
KUTTING & ESSER/PCO MADE IN U.S.A.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 7088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

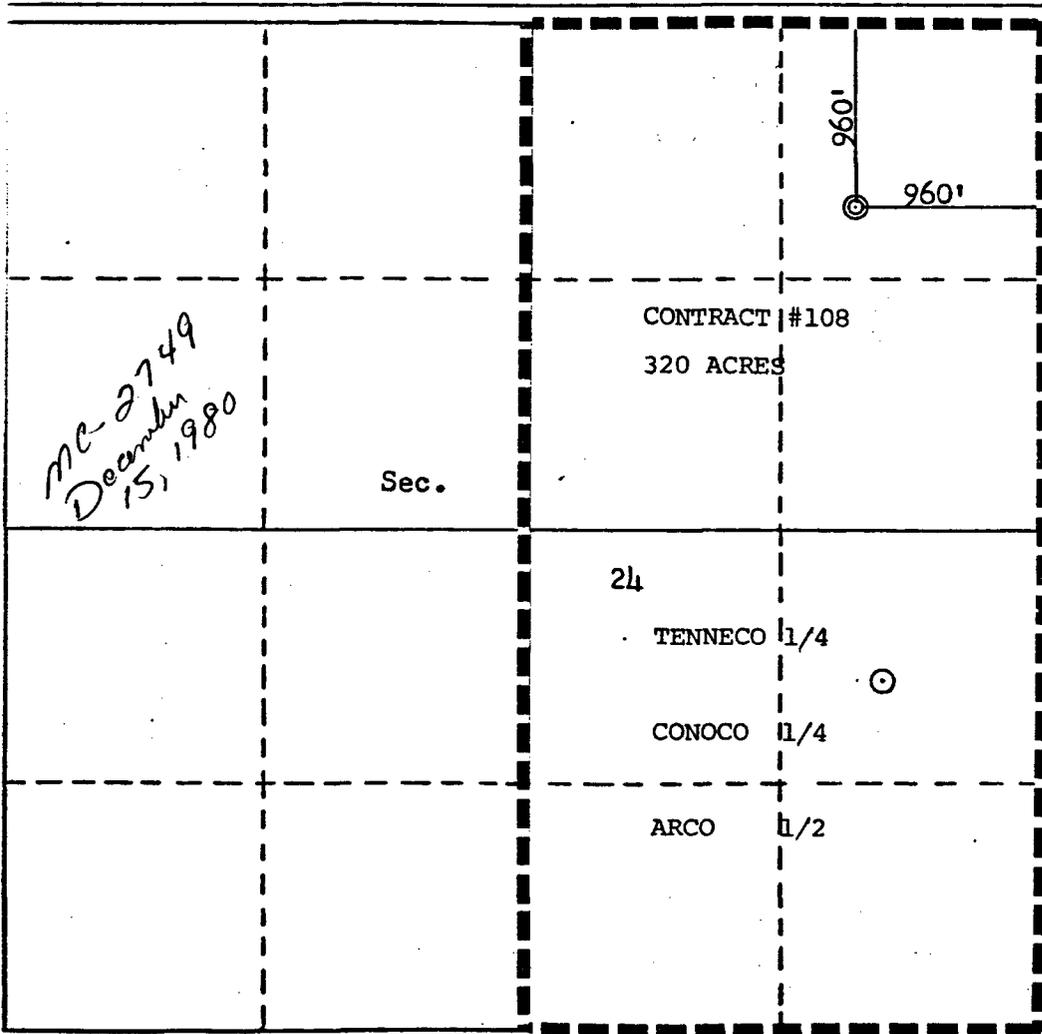
Operator TENNECO OIL COMPANY		Lease JICARILLA "C"			Well No. 5-E
Unit Letter A	Section 24	Township 26N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 960 feet from the North line and 960 feet from the East line					
Ground Level Elev. 6652	Producing Formation Dakota/Mesa Verde		Pool Basin Dakota/Blanco Mesa Verde		Dedicated Acreage: 320 Acres

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.



CERTIFICATION

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

M. L. Freeman
Name

M. L. FREEMAN

Position
Staff Production Analyst

Company
Tenneco Oil Company

Date
February 1, 1980

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
October 26, 1979
Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr, Jr.
Fred B. Kerr, Jr.
Certification No. 3950

3950
FRED B. KERR, JR.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 960'FNL, 960'FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
Contract 108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla C

9. WELL NO.
5E

10. FIELD OR WILDCAT NAME
Basin Dakota/Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 24, T26N, R5W

12. COUNTY OR PARISH | 13. STATE
Rio Arriba | NM

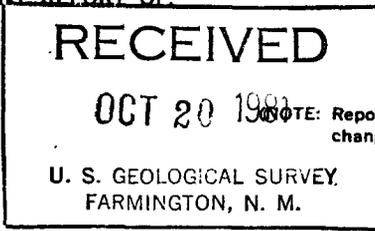
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6652' gr

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
 - FRACTURE TREAT
 - SHOOT OR ACIDIZE
 - REPAIR WELL
 - PULL OR ALTER CASING
 - MULTIPLE COMPLETE
 - CHANGE ZONES
 - ABANDON*
- (other) Change well name

- SUBSEQUENT REPORT OF:
- -
 -
 -
 -
 -
 -
 -



NOTE: Report results of multiple completion or zone change on Form 9-330.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As requested by the New Mexico Oil Conservation Commission, Tenneco proposes to change the name of the above captioned well to the Jicarilla C 5M.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED David M. Jene TITLE Production Analyst DATE October 15, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

OCT 21 1981

*See Instructions on Reverse Side

FARMINGTON DISTRICT

OPERATOR