

13. June. 07 DATE IN	SUSPENSE	W. Jones ENGINEER	13. June. 07 LOGGED IN	DHC TYPE	PLC 0716 445156 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name	Signature	Title	Date
		e-mail Address	

District I
1625 N. Franch Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
X Single Well
____ Establish Pre-Approved Pools
EXISTING WELLBORE
____ Yes X No

APPLICATION FOR DOWNHOLE COMMINGLING

AMENDMENT TO DHC ORDER #2725 approved 4/28/2000 for GL/DK

DHC-2725A

PATINA SAN JUAN, INC.
Operator

5802 U.S. HIGHWAY 64 FARMINGTON, NM 87401
Address

JICARILLA
Lease

#3E
Well No.

F Sec 8 - T26N - R5W
Unit Letter-Section-Township-Range

RIO ARRIABA
County

OGRID No. 173252 Property Code _____ API No. 30-039-23505 Lease Type: Federal XXX State Fee

DATA ELEMENT	UPPER ZONE ✓	INTERMEDIATE ZONE ✓ (Point Lookout)	LOWER ZONE ✓
Pool Name	TAPACITO - GALLUP <u>ASSC</u>	BLANCO MESA VERDE	BASIN DAKOTA
Pool Code	58090	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	<u>6985-7300</u>	<u>5782-5920</u>	<u>7772-7996</u>
Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	<u>1387 PSI</u>	<u>1156 PSI</u>	<u>1554 PSI</u>
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	To be tri-mingled December 2006	To be tri-mingled December 2006	To be tri-mingled December 2006
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Production estimates from various off-set wells in proximity to well.	Production estimates from various off-set wells in proximity to well.	Production estimates from various off-set wells in proximity to well.
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 55 % 23 %	Oil Gas 15 % 45 %	Oil Gas 30 % 32 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? N/A

Yes X No _____
Yes _____ No _____

Are all produced fluids from all commingled zones compatible with each other?

Yes X No _____

Will commingling decrease the value of production?

Yes _____ No X _____

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes X No _____

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

----- Forwarded by Jean Muse/Denver/NobleEnergy/Samedan on 06/13/2007 03:23 PM -----

Gary Ohlman/Denver/NobleEnergy/Samedan

To Jean Muse/Denver/NobleEnergy/Samedan@SAMEDAN

cc

06/13/2007 02:34 PM

Subject Re: Fw: Tri-mingle DHC #2725 - Jicarilla #3E [Link](#)

Jean,

Below is the info you requested.

Point Lookout: 5782-5920. BHP = 1156 psi

Gallup: 6936 - 7300, BHP = 1387 psi

Dakota: 7772 - 7996, BHP = 1554 psi

Please let me know if you need additional info,

Gary

Jean Muse/Denver/NobleEnergy/Samedan

To Gary Ohlman/Denver/NobleEnergy/Samedan@SAMEDAN

cc

06/13/2007 01:33 PM

Subject Fw: Tri-mingle DHC #2725 - Jicarilla #3E

Gary,

**Can you give me the requested information below from Will Jones, on the Jicarilla #3E?
Thanks...j Here are the docs too.**

Jean M. Muse

Regulatory Compliance

Patina San Juan, Inc. - Noble Energy Inc.

5802 US Highway 64

Farmington, New Mexico 87417

Office 505.632-8056

Fax 505.632-3031

Cell 505.486-4629

----- Forwarded by Jean Muse/Denver/NobleEnergy/Samedan on 06/13/2007 01:27 PM -----

"Jones, William V., EMNRD"

<William.V.Jones@state.nm.us>

To <jmuse@nobleenergyinc.com>

<bmaez@nobleenergyinc.com>, "Ezeanyim, Richard, EMNRD"

cc

<richard.ezeanyim@state.nm.us>

06/13/2007 12:51 PM

Subject RE: Tri-mingle DHC #2725 - Jicarilla #3E

6/18/2007

Jean:

The C107A is missing the estimated perforation depths and will probably require bottomhole pressure data also - please ask your engineer for this and send it by email and I can add it to the form.

Regards,

William V. Jones PE

New Mexico Oil Conservation Division

1220 South St. Francis

Santa Fe, NM 87505

505-476-3448

Jean M. Muse

Regulatory Compliance

Patina San Juan, Inc. - Noble Energy Inc.

5802 US Highway 64

Farmington, New Mexico 87417

Office 505.632-8056

Fax 505.632-3031

Cell 505.486-4629

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6/18/2007

Recommended Allocation for Commingle

Well: Jicarilla #3E

30-day average production based on Offset Well Performance
(see attached decline curves)

G a s	Zone	Average MCFD	Percentage of total flow
	MV	64	45%
	GL	33	23%
	DK	46	32%
	Total	143	100%

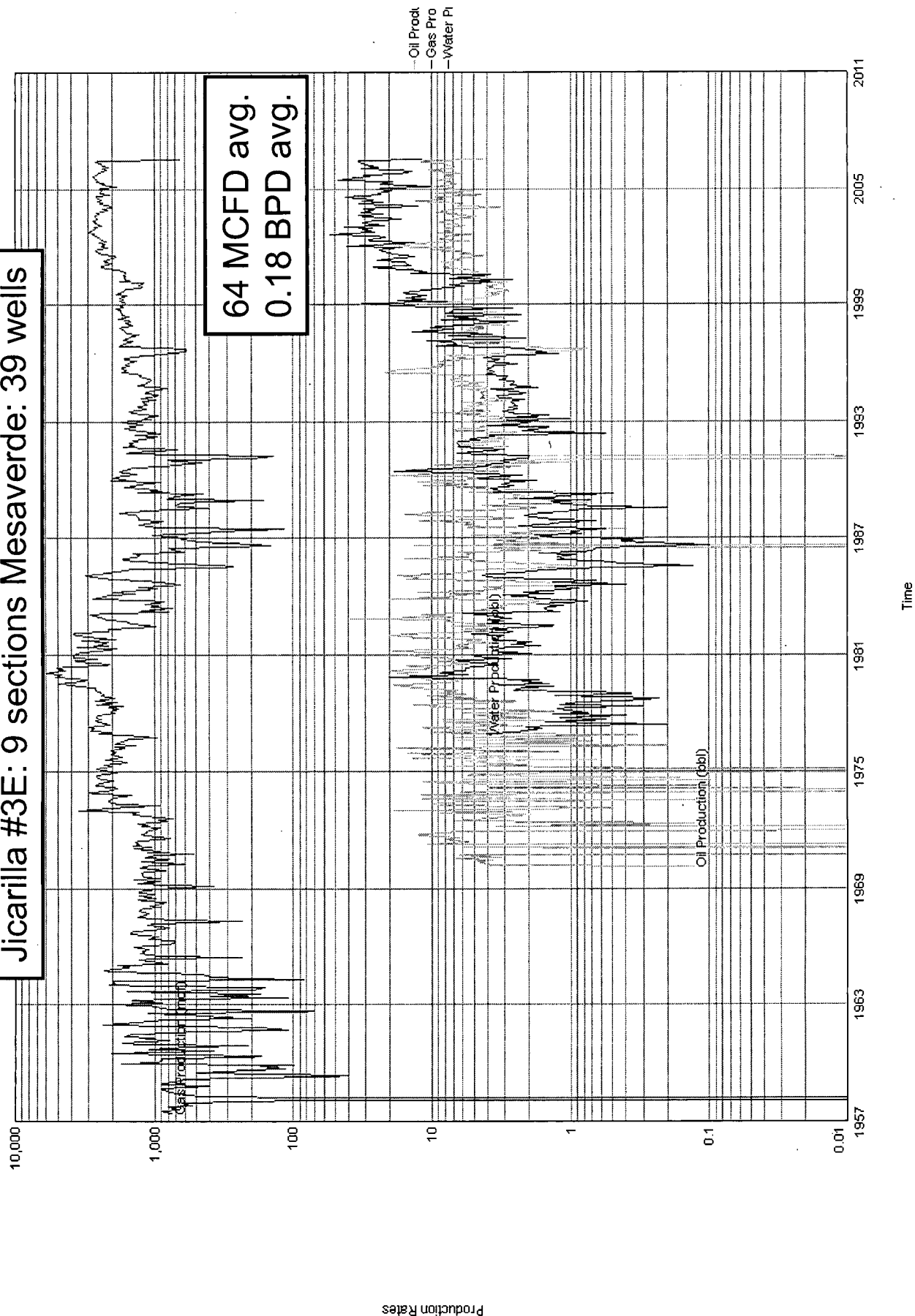
O i l	Zone	Average BOPD	Percentage of total flow
	MV	0.18	15%
	GL	0.67	55%
	DK	0.37	30%
	Total	1.22	100%

Recommended allocation for future downhole commingled production:

Zone	Gas	Oil
MV	45%	15%
GL	23%	55%
DK	32%	30%
Total	100%	100%

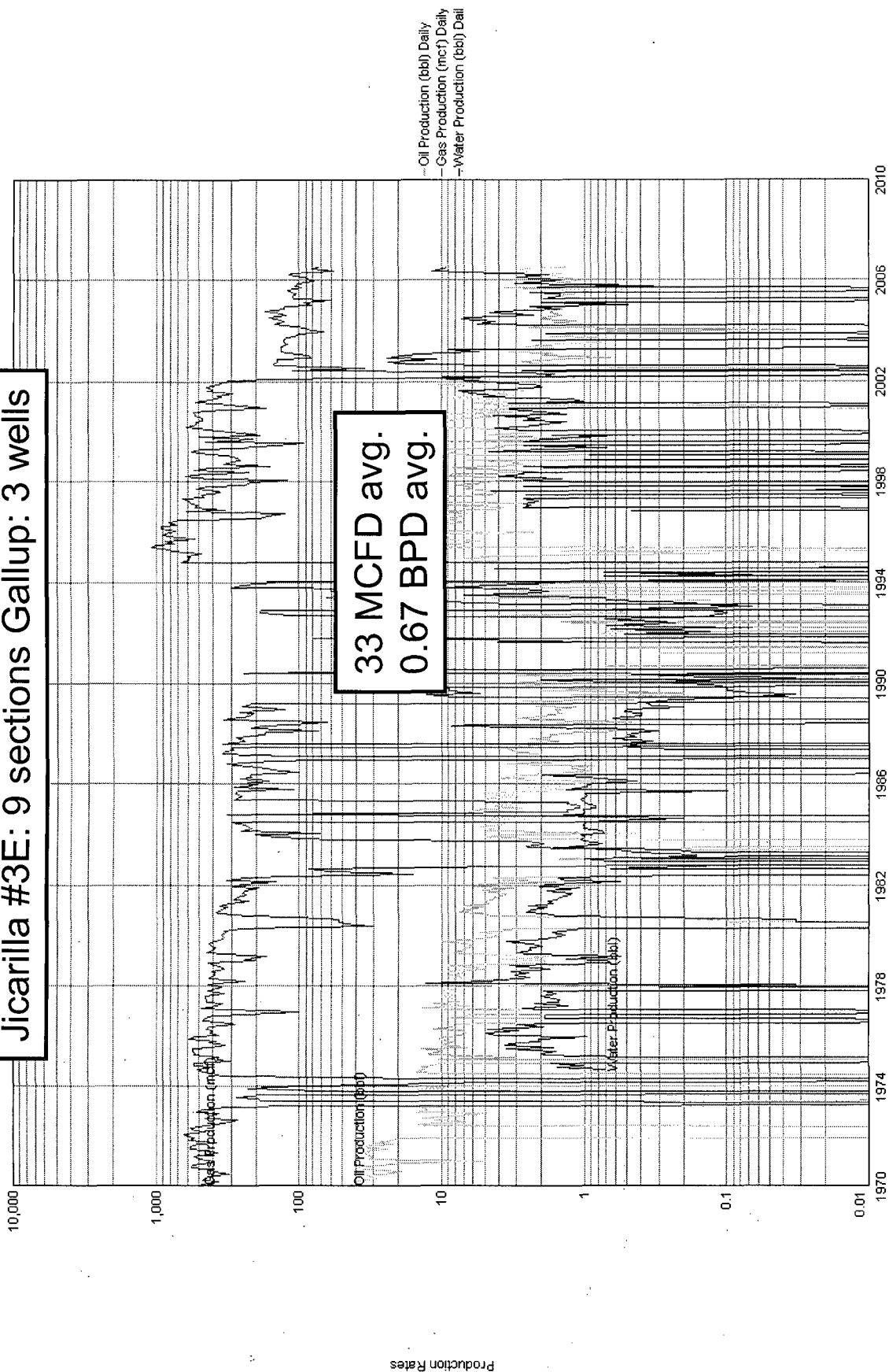
MULTIPLE - BLANCO

Jicarilla #3E: 9 sections Mesaverde: 39 wells



MULTIPLE - TAPACITO

Jicarilla #3E: 9 sections Gallup: 3 wells



MULTIPLE BASIN

Jicarilla #3E: 9 sections Dakota: 35 wells

