Submit 3 Copies To Appropriate District	State of New Mexico			Form C-103
Office District 1	Energy, Minerals and Natural Re	esources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240			ELLAPI NO.	
District II	OIL CONSERVATION DIVISION		-945-32144	
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Francis Dr.		Indicate Type of Lease	
1000 Rio Brazos Rd., Aztec, NM 87410				EE 🗌
District IV Santa Fe, NWI 8/303		i i	State Oil & Gas Lease N	0.
1220 S. St. Francis Dr., Santa Fe, NM		SF	-079010	
87505 SUNDRY NOTE	CES AND REPORTS ON WELLS	7	Lease Name or Unit Agr	eement Name
(DO NOT USE THIS FORM FOR PROPOS	SALS TO DRILL OR TO DEEPEN OR PLUG BA	er to x'a	Dease Ivallie of Ollit rigi	cement rame
DIFFERENT RESERVOIR. USE "APPLIC	TATION FOR PERMIT" (FORM C-101) FOR SUC	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ortheast Blanco Unit	
PROPOSALS.)		na. 4	Well Number 307N	
	Gas Well 🛛 Other 🌊 🔍	34		
2. Name of Operator		75 (No. 3 1	OGRID Number	
Devon Energy Production Co. L.P.		61.	Pool name or Wildcat	
3. Address of Operator	7410	7.77	nco Mesaverde / Basin I	Palcata
PO Box 6459, Navajo Dam, NM 8	7419	CI DIE	——————————————————————————————————————	
4. Well Location	A C 32 81	معطشة		÷
Unit LetterE:	1710'feet from theNorth1	ine and690'	feet from theWe	stline
Section 24	Township 31N Rang	ge 7W	NMPM County S	an Juan
	11. Elevation (Show whether DR, RKB			1
	,	, , , ,		
Pit or Below-grade Tank Application 🗌 o	r Closure 🗌			
Pit type Depth to Groundwa	aterDistance from nearest fresh water w	ell Distance	from nearest surface water	
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Constru	iction Materias	
12. Check A	Appropriate Box to Indicate Nature	e of Notice, Rep	ort or Other Data	
	TENTION TO	011505	0E.E.E.E.E.E.E.E.E.E.E.E.E.E.E.E.E.E	~ -
NOTICE OF IN			QUENT REPORT (
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING				
TEMPORARILY ABANDON		MMENCE DRILLIN		
PULL OR ALTER CASING	MULTIPLE COMPL CAS	SING/CEMENT JO	В Ц	
OTHER	54	150		
OTHER:		HER:	o mantinant datas inaladi	no estimated data
	leted operations. (Clearly state all pertin			
or recompletion.	ork). SEE RULE 1103. For Multiple Co	mpietions: Attach	wellbore diagram of proj	posea completion
or recompletion.				
Approval is requested to down-hole	commingle production from the Blanco	Mesaverde and Ras	sin Dakota zones Please	refer to attached
exhibits.	commingte production from the Bianco	viesaverde and Das	siii Dakota 2011es. Tiease	iciei to attached
exinoits.				
	5 /	1 —		
	DHC 1688 A	12		
	ON CIEDO)			
I hereby certify that the information	above is true and complete to the best of	my knowledge and	d belief. I further certify th	at any pit or below-
grade tank has been/will be constructed or	closed according to NMOCD guidelines [], a ge	eneral permit 🗵 or ar	ı (attached) alternative OCD-	approved plan 🔲.
111016	~			
SIGNATURE ///.S.	TITLE Senior	Operations Techn	nicianDATE10/29/0	4
, , <u> </u>				
Type or print name Melisa Zimmern	nan E-mail address: Melisa.zimm	erman@dvn.com		
For State Use Only	////		Δ1 🗢	A C a
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ADDDOVED DV. ZN 🐸	OEPUTY OF	la gas exertors	O. PAST. AS DATE	V - 7 2004
APPROVED BY:	TITLETITLE	l a gas ensticed	NU C, MSC /G DATE_	IV - 7 2004

ATTACHMENTS TO APPLICATION TO DOWNHOLE COMMINGLE

The following information is being provided as supporting data for application to down hole commingle production from the following well:

Well:

NEBU 307N

Location:

SW NW, Sec. 24, T31N, R7W

San Juan County, New Mexico

- 1. Case # 12346, Order # R-11363 establishes the two subject pools as pre-approved for commingling.
- 2. The pools to be commingled are the Blanco-Mesaverde (72319) and the Basin Dakota (71599).
- 3. The subject well is presently completed in both zones flowing and measured separately. The perforated interval in the Basin-Dakota pool being 7842'- 7908'. The perforated interval in the Blanco-Mesaverde pool being 4394'- 5876'.
- 4. Commingling will not reduce the value of the total remaining production in this well. Produced waters from both the Basin-Dakota and the Blanco-Mesaverde have been found to be compatible, with no evidence of scaling problems on tubules, or of precipitate fill in the well bore. The increased volume of gas flowing up the tubing will facilitate the well's ability to unload itself, thus increasing production and reducing potential operational problems.
- 5. Notice has been sent to all interest owners in the spacing unit by certified mail (return receipt) of Devon Energy's intent to down hole commingle production. A copy of this notice and a list of all working interest owners are attached.
- 6. A copy of this notice of intent to down hole commingle has been sent to the Bureau of Land Management.

Method of Allocation

Devon Energy recommends the following procedure to allocate downhole commingled production between the Basin-Dakota and the Blanco-Mesaverde pools within the Northeast Blanco Unit:

- The Mesaverde and Basin-Dakota formations will be completed simultaneously.
- A single 2-3/8" tubing string will be run in the well, with a packer isolating the two horizons.
- The Dakota completion will be produced up the tubing string.
- The Mesaverde completion will be produced up the 2-3/8" x 4-1/2" annulus.
- Production from each zone will be measured separately using a 3 phase metering device prior to flowing through a mutual production separator. Total well stream gas will be measured using a conventional orifice plate meter tube located downstream of the production separator.
- The completions will be flow tested separately for approximately 90 days to establish a stabilized rate and trend.
- Following the testing period the packer will be removed and the two pools will be downhole commingled. Total well production will flow through common surface facilities and total produced gas will be measured using a conventional orifice plate meter tube.
- Production will be allocated between the Mesa Verde and Dakota intervals by applying the variable percentage schedule to the daily total well production.

The Variable Percentage Schedule was derived using Mesa Verde and Dakota production type curves. These type curves were generated by normalizing production data from surrounding wells. The variable percentage schedule is required due to the dissimilar decline trends exhibited by the Mesa Verde and Dakota. Figure 1 depicts a typical Mesa Verde – Dakota production allocation. The actual percentages will vary from well to well, depending on well productivity.

Typical MV - DK Downhole Commingle Production % Schedule

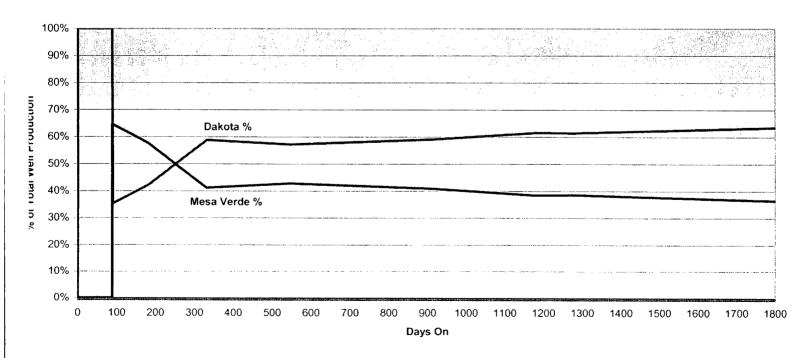


Figure 1

The Basin-Dakota type curve was generated from normalized production of 40 offsetting Basin-Dakota producers. The Basin-Dakota type curve clearly defines the decline rate for the life of a well. Comparison of this type curve with the production schedule obtained by using flow test data demonstrates the reliability of this method for projecting production. (See Figure 2) The curve covers a three and one half year period with a variance in cumulative normalized production of only 165 MCF.

Dakota Type Curve

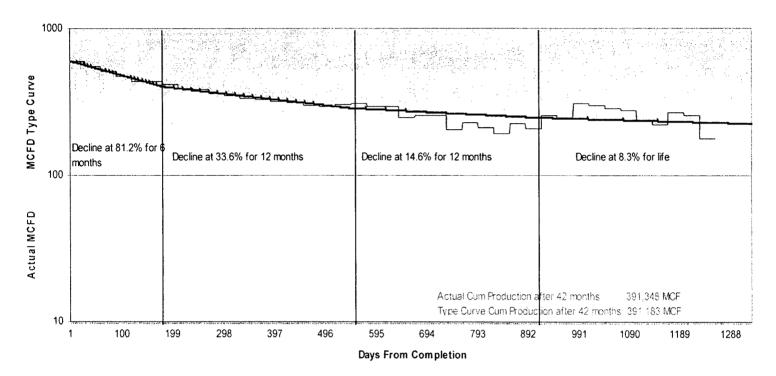


Figure 2