Submit 3 Copies To Appropriate District	State of Nov. M.				0.2
Office	State of New Mexico Energy, Minerals and Natural Resources			Form C-19 Revised March 25, 19	
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	Energy, winterars and readural Resources		WELL API NO. /	Revised March 23, 15	199
District II	OIL CONSERVATION DIVISION		30-045-31199		
811 South First, Artesia, NM 88210 District III 2040 South Pacheco			5. Indicate Type		
1000 Rio Brazos Rd., Aztec, NM 87410			FEE _		
District IV 2040 South Pacheco, Santa Fe, NM 87505			6. State Oil & G SF-79082	ias Lease No.	
	CES AND REPORTS ON WELLS			or Unit Agreement	
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC. PROPOSALS.)	ALS TO DRILL OR TO DEEPEN OR PLA	JG BACK TO A	Name:		
1. Type of Well:	A?	- 100 T	NORTHEAST BI	LANCO UNIT	
Oil Well Gas Well	Other:	3000			
	nergy Production Co. L.P.		8. Well No. 50A		
Address of Operator: Attn. Dione Punch					
Attn: Diane Busch 20 N. Broadway Oklahoma City, OK 73102					
2014. Bit	Jadway Okianonia City, OK 734	2 Carlon			
3. Well Location				n.	
Unit Letter C: 760 feet	from the North line and 1820	feet from the West li	ne.		
Section: 25	Township 31N Range 8	NIMDI	M. Country	Cara Irran NIM	
Section. 25	10. Elevation (Show whether Di			San Juan, NM	
	6407' GL	t, 1010, 1(1, OH, cic.)	,		
11. Check A	ppropriate Box to Indicate N	ature of Notice, R	eport or Other J	Data	<i></i>
NOTICE OF IN	TENTION TO:	•	EQUENT REI		
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK		ALTERING CASING	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRIL	LING OPNS.		
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND	·	ABANDONMENT	
OTHER: Down halo commingle	N				_
OTHER: Down hole commingle	(Cl. 1 + + 1)	OTHER:			
12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.					
Approval is requested to isolate the Design Delector 1 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C					
Approval is requested to isolate the Basin-Dakota pool, perforate, frac, and test the Blanco-Mesaverde pool, then downhole commingle production from both zones. Please refer to attached exhibits.					
comming to production from both zones. Please refer to attached exhibits.					
D HC 109	3AZ				
		aa4 a.f1111	- 11 1: C		_
I hereby certify that the information above is true and complete to the best of my knowledge and belief.					
SIGNATURE TITLE Sr. Operations Technician DATE 2/06/03					
Type or print name Diane Buse	ch Te	lephone No. (405) 2	28-4362		
(This space for State use)	/4/		THE PART OF THE	EED -	
APPPROVED BY Conditions of approval, if any:	TITLE_	ty on a sas instan	1184, 17 01. 🚰		<u>0</u> 3
Conditions of approval, it ally:					

ATTACHMENTS TO APPLICATION TO DOWNHOLE COMMINGLE

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

Well:

NEBU #50A

Location:

NW NE, Sec. 25, T31N, R8W San Juan County, New Mexico

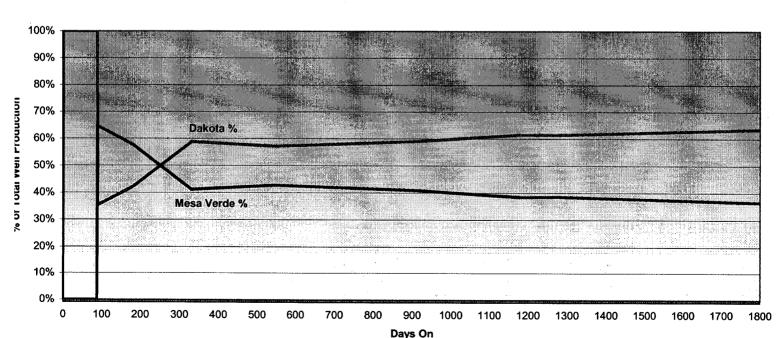
- 1. The Division order that establishes the two subject pools as pre-approved pools for commingling is Case No. 12346, Order No. R-11363.
- 2. The pools to be commingled are the Blanco-Mesaverde (72319) and the Basin-Dakota (71599).
- 3. The subject well is presently completed in the Basin-Dakota pool, the perforated interval being 7826'-7986'. Proposed perforations in the Blanco-Mesaverde are 4307'-5966'.
- 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 tubulars, or of precipitate fill in the wellbore. 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 downhole commingle production. A copy of this notice and a list of all interest owners is attached.
- 6. A copy of this notice of intent to downhole 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