

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER DHC-2794

Burlington Resources Oil & Gas Company P.O. Box 4289 Farmington, New Mexico 87499

Attention: Ms. Peggy Cole

Lively No. 18

API No. 30-045-21326

Unit M, Section 1, Township 26 North, Range 8 West, NMPM, San Juan County, New Mexico.

Blanco-Mesaverde (Prorated Gas – 72319),

Basin-Dakota (Prorated Gas – 71599) and

Otero-Chacra (Gas – 82329) Pools

Dear Ms. Cole:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

The applicant shall consult with the supervisor of the Aztec District Office of the Division upon completion and testing of the well in order to determine a fixed allocation of production from each of the commingled zones. Upon approval by the Division's Aztec District Office, the applicant shall submit the allocation formula to the Santa Fe Office of the Division.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 8th day of August, 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lou Westerbery & De LORI WROTENBERY

Director

SEAL

LW/DRC

cc: Oil Conservation Division - Aztec /

Bureau of Land Management-Farmington

District II

811 South First Street

District III 1000 Rio Brazos Ro

JUL 2000 PECEIVED

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well Establish Pre-Approved Pools **EXISTING WELLBORE** __X_Yes ____No

OR CON PRAPPLES ATION FOR DOWNHOLE COMMINGLING c) District IV 2040 South Pacheco, Santa Fe, NM 87505

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Burlington Resources Oil	& Cas Company	PO Box 4289, Farm		
Operator LIVELY	18	Address M 01-26N-08W		San Juan
Lease	Well No.	Unit Letter-Section-Townsh	ip-Range	County
OGRID No.14538	Property Code18182	API No30-045-21326	Lease Type: _X	FederalStateFee

DATA ELEMENT	DATA ELEMENT UPPER ZONE		LOWER ZONE		
	Otero Chacra	Blanco Mesaverde	Basin Dakota		
Pool Name			71500		
	82329	72319	71599		
Pool Code		Will be supplied upon completion	6472'-6652'		
Top and Bottom of Pay Section	Will be supplied upon completion	Will be supplied upon completion	0472 40032		
(Perforated or Open-Hole Interval)	Elawing	Flowing	Flowing		
Method of Production (Flowing or Artificial Lift)	Flowing	Flowing			
Bottomhole Pressure (Note: Pressure data will not be required if the	Current: 571 psi (see attached)	Current: 427 psi (see attached)	Current: 782 psi (see attached)		
bottom perforation in the lower zone is within	Original: 1210 psi (see attached)	Original: 1235 psi (see attached)	Original: 2938 psi (see attached)		
150% of the depth of the top perforation in the					
upper zone)					
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1182	1304	1181		
Producing, Shut-In or	New Zone	New Zone	Producing		
New Zone					
Date and Oil/Gas/Water Rates					
of Last Production. (Note: For new zones with no production	Date:	Date:	Date: April, 2000		
history, applicant shall be required to attach	Deter	Rates:	Rates: 1,012 per month		
production estimates and supporting data.)	Rates:	Rates.	rates. 1,012 per monar		
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas		
than current or past production, supporting data or	% %	% %	% %		
explanation will be required.)	will be supplied upon completion	will be supplied upon completion	will be supplied upon completion		

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?	Yes X No
Are all produced fluids from all commingled zones compatible with each other?	YesX_No
Will commingling decrease the value of production? If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands	Yes No_X
or the United States Bureau of Land Management been notified in writing of this application?	YesX 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. Any additional statements, data or documents required to support commingling.	

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

I hereby	certify t	hat the information above is tru	e and complete to	o the best of my	knowledge and belief.
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nco TYPE OR PRINT NAME Wayne Fletcher

TELEPHONE NO. (505) 326-9700

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088, Santa Fe. NM 87504-2088

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

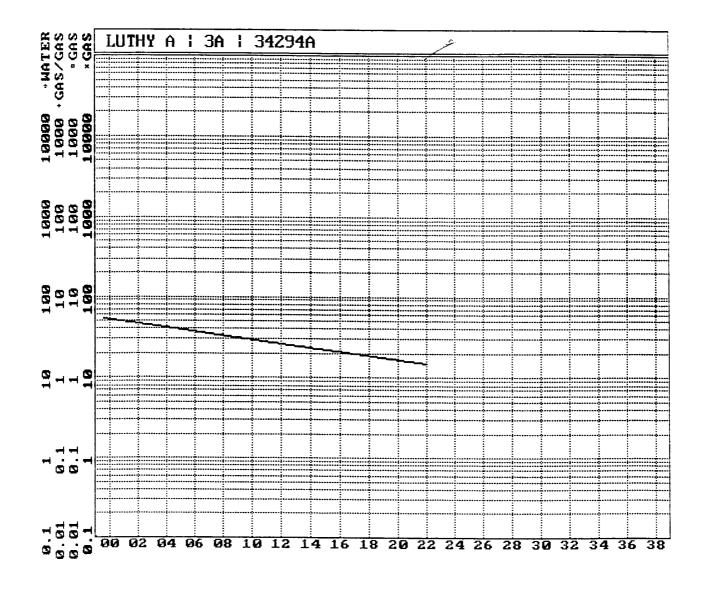
State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

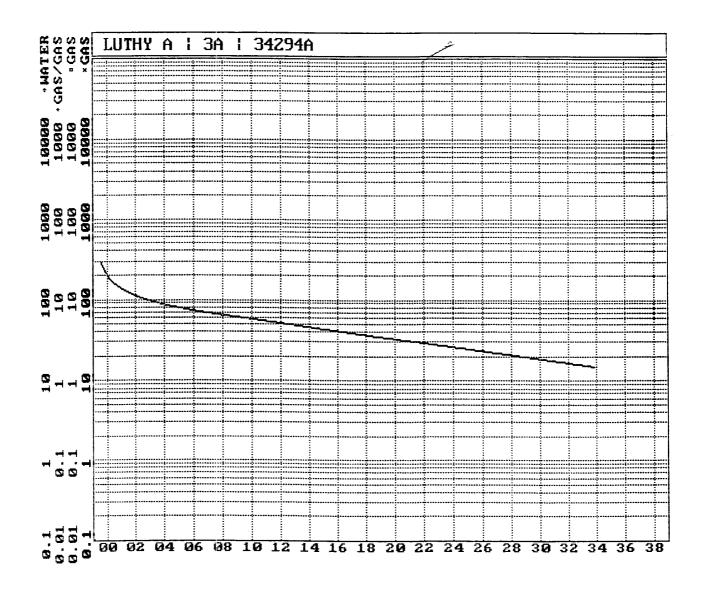
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	API Number 'Pool Code 71599 'Pool Name Basin Dakota								kota			
30-045-			182329/72319/ Otero Chacra/Blanco Mesaverde/									
* Property (18182	Code					⁵ Property					•	Well Number
OGRID :	No.					Livel 'Operator	<u> </u>					18
	110.	70			_	•						' Elevation
14538		Bu	rlingt	on	Res	sources 0 Surface	il & Gas C	Comp	any	<u></u>	61	40 'GR
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Certificate Number

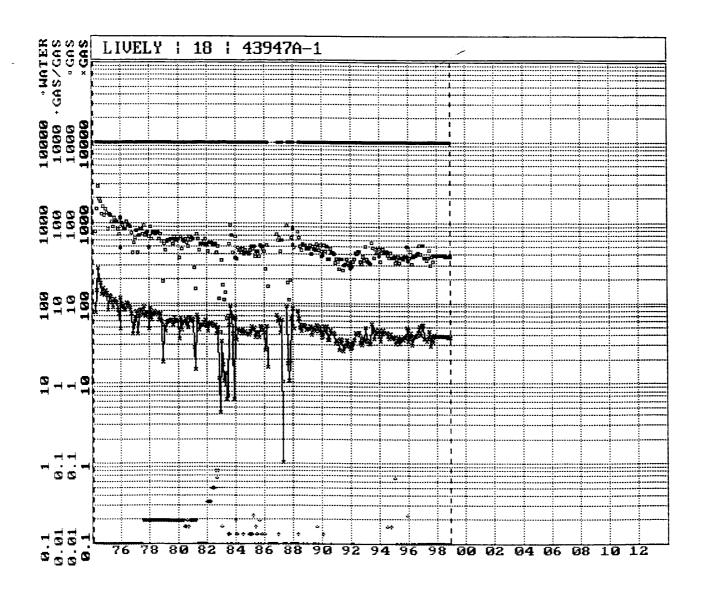
Lively #18
Expected Production
Chacra Formation



Lively #18
Expected Production
Mesaverde Formation



Lively #18
Actual Production
Dakota Formation



Lively #18

Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method Version 1.0 3/13/94

Chacra	Mesaverde
<u>CH-Current</u>	MV-Current
COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	GAS GRAVITY
CH-Original	MV-Original
DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA)	GAS GRAVITY COND. OR MISC. (C/M) C

SAN JUAN 28-7 UNIT #240 - - 43931A

Print Time: Tue Jun 13 09:00:05 2000

Property ID: 2111

LIVELY #18 -- CHACRA OFFSET

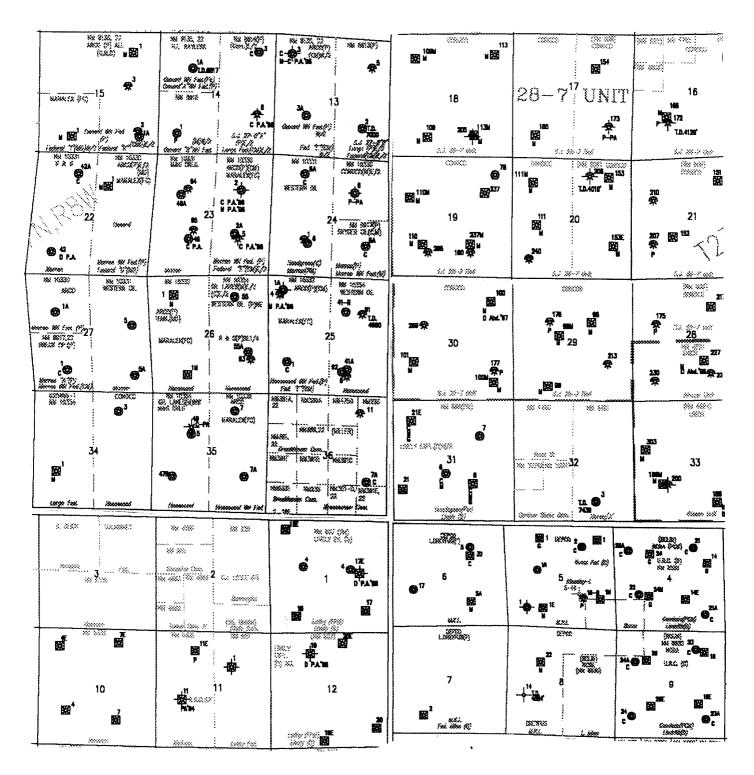
<u>Date</u>	<u>MCF</u>	<u>PSI</u>
8/5/75	0	1,066
11/25/75	7, 441	748
5/11/76	34,986	613
6/23/77	77,537	433
8/21/79	141,696	404

Pagè No.: 1
Print Time: Tue Feb 09 10:27:16 1999
Property ID: 3252
Property Name: LUTHY A | 4 | 54425A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

DATE	CUM_GAS Mcf	M SIWHP	
01/20/86	0	1053.0	<u>Lively #18</u>
05/17/86	11527	834.0	
12/15/87	130040	604.0	Mesaverde Offset
03/15/88	147939	484.0	
07/12/89	202583	653.0	
09/29/90	247501	510.0	
06/21/91	284878	433.0	
12/16/91	308334	421.0	
07/06/93	379995	372.0	

Page No.: 1
Print Time: Tue Feb 09 11:04:33 1999
Property ID: 1130
Property Name: LIVELY | 18 | 43947A-1
Table Name: K:\ARIES\RR99PDP\TEST.DBF

DATE	CUM_GAS		
02/09/74	0	2398.0	<u>Lively #18</u>
05/25/74	6823	1712.0	Existing Dakota
05/22/75	60672	1032.0	LAISTING DAKOTA
04/22/76 05/11/77	91141 120819	932.0 932.0	
05/01/79	169599	857.0	
11/09/82	238516	773.0	
10/17/83	249154	833.0	
08/09/85	277765	813.0	
08/31/88 05/07/90	315998 346556	709.0 657.0	
00,01,00	31000		



Lively #18
Dakota / Mesaverde / Chacra
26N – 8W – 01M

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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

	ADMINIS I RA I I	VF AF	PLIG	ALIUN		\J LL	
	THIS COVERSHEET IS MANDATORY FOR ALL ADMIN						
Applic	ication Acronyms: [NSP-Non-Standard Propertional Interpretation of the comming o	Drilling] CTB-Leas - Off-Leasion] [isposal]	SD-Sin] se Commi ase Stora PMX-Pres] IPI-Inic	nultaneou ingling] ige] [OL ssure Mair ection Pre	s Dedicati [PLC-Pool .M-Off-Lea ntenance f essure Inci	on] //Lease Commingling] se Measurement] Expansion] rease]	
[1]	TYPE OF APPLICATION - Chec [A] Location - Spacing U NSL NSP	k Those	Which A	Apply for		DEC 2 3 1999	
	Check One Only for [B] and [B] Commingling - Stora	age - Me PLC	PC	OLS	OLM nced Oil I PPR	Recovery	
[2]	NOTIFICATION REQUIRED T [A] Working, Royalty of	O: - Che	eck Thos	se Which yalty Inte	Apply, or rest Owne	Does Not Apply ers	
	[B] Offset Operators, L.[C] Application is One					otice	
	[D] Notification and/or U.S. Bureau of Land M	Concum	rent App Commission	roval by ler of Public Lar	BLM or S	LO d Office	
	[E] For all of the above	, Proof	of Notifi	cation or	Publication	on is Attached, and/or,	

Waivers are Attached

[F]

[3] INFORMATION / DATA SUBMITTED IS COMPLET	TE - Statement of Understanding	
I hereby certify that I, or personnel under my supervision, have real Regulations of the Oil Conservation Division. Further, I assert the approval is accurate and complete to the best of my knowledge an (WI, RI, ORRI) is common. I understand that any omission of dathe application package returned with no action taken.	nat the attached application for add where applicable, verify that all	innisuative l interest
Note: Statement must be completed by an individua	al with supervisory capacity.	
Peggy Cole Deggy All	Regulatory/Compliance Administrator	_
Print or Type Name Signature	Title	Date