DATE IN 7/17/00 SUSPENSE 8/7/00 ENGINEER DC LOODED KN THE DHC											
NEW MEXICO OIL CONSERVATION DIVISION $\sqrt{9^4}$											
- Engineering Bureau -											
ADMINISTRATIVE APPLICATION COVERSHEET											
THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS											
Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [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 - Directional Drilling NSL NSP DD SD JU 7											
Check One Only for [B] and [C]											
[B] Commingling - Storage - Measurement X DHC CTB PLC PC OLS OLM											
[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR											
 [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] X 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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding											

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Signature

Regulatory/Compliance Administrator

Title

Peggy Cole

District I `

District II

811 South First Street, Artesia, NM 88210 District III

0 Rio Brazos Road, Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE _X_Single Well Establish Pre-Approved Pools EXISTING WELLBORE __X_Yes ___No

Burlington Resources Oil & Gas Company

bs. NM 88240

PO Box 4289, Farmington, NM 87499

Operator LIVELY	18	San Juan		
Lease	Well No.	Unit Letter-Section-Township-Range	County	

OGRID No.14538 Property Code 18182 API No. 30-045-21326 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
	Otero Chacra	Blanco Mesaverde	Basin Dakota
Pool Name			
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Will be supplied upon completion	Will be supplied upon completion	6472'-6652'
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	Current: 571 psi (see attached) Original: 1210 psi (see attached)	Current: 427 psi (see attached) Original: 1235 psi (see attached)	Current: 782 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	New Zone	Producing
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 production estimates and supporting data.)	Rates:	Rates:	Rates: 1,012 per month
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 Yes		lo No
Are all produced fluids from all commingled zones compatible with each other?	Yes	_X_1	lo
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?	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.

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

SIGNATURE Mayne Flitcher	TITLE Sr. Prad. Eng.	DATE 7/14/00
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., Aztee, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

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State of New Mexico Energy, Minerals & Natural Resources Department

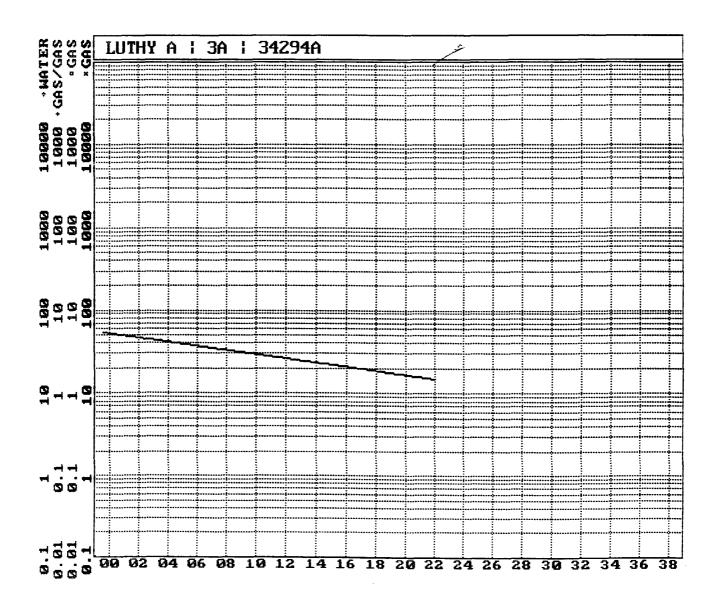
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

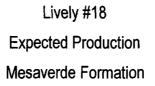
AMENDED REPORT

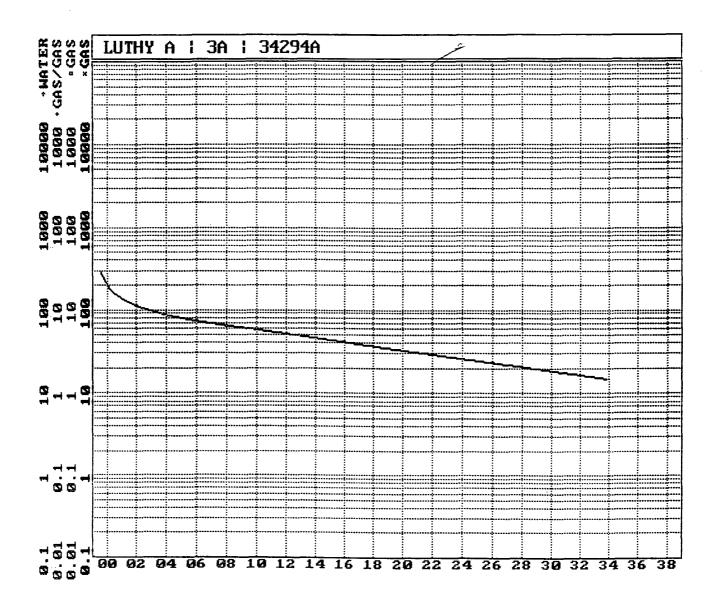
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' Property (Code			⁵ Property Name						* Well Number	
18182					Livel				18		
'OGRID	No.				¹ Operator	Name				* Elevation	
<u>14538</u>		Bu	<u>rlingt</u>	on Re		<u>)il & Gas (</u>	<u>Company</u>		61	40'GR	
					¹⁰ Surface	Location					
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/Wes	t line	County	
_M	1	_26N	8W		800'	South	1180	West	<u> </u>	SJ	
			¹¹ Bot	tom Ho	le Location I	f Different Fre	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County	
" Dedicated Acr Cha-160	es 13 Joint	or Infill 14 (Consolidatio	n Code ¹⁵	Order No.						
MV/DK-W	/321.										
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Lively #18 Expected Production Chacra Formation



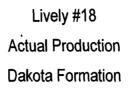
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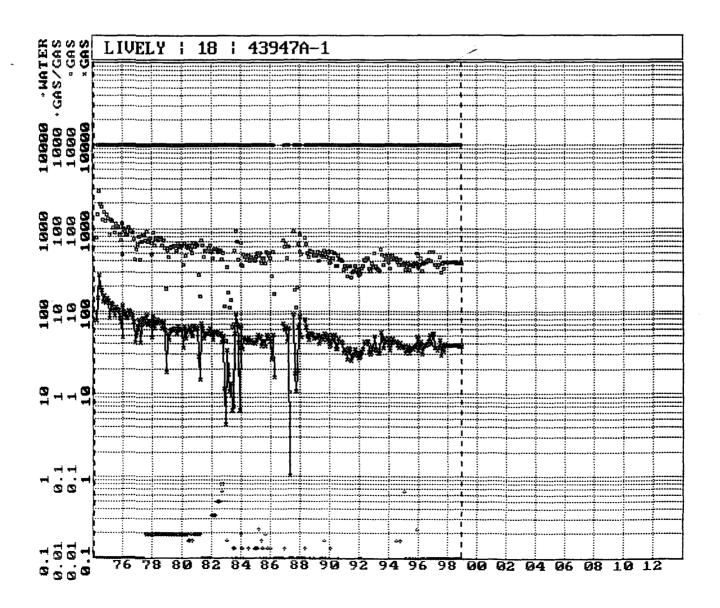




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Lively #18 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method Version 1.0 3/13/94

Chacra	Mesaverde				
<u>CH-Current</u>	<u>MV-Current</u>				
GAS GRAVITY0.716COND. OR MISC. (C/M)C%N20.82%CO20.37%H2S0DIAMETER (IN)2.375DEPTH (FT)4310SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)509BOTTOMHOLE PRESSURE (PSIA)570.5	GAS GRAVITY0.769COND. OR MISC. (C/M)C%N20.6%CO20.45%H2S0DIAMETER (IN)2.375DEPTH (FT)4888SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)372BOTTOMHOLE PRESSURE (PSIA)426.5				
<u>CH-Original</u>	<u>MV-Original</u>				
GAS GRAVITY0.716COND. OR MISC. (C/M)C%N20.82%CO20.37%H2S0DIAMETER (IN)2.375DEPTH (FT)4310SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)1066BOTTOMHOLE PRESSURE (PSIA)1209.9	GAS GRAVITY0.769COND. OR MISC. (C/M)C%N20.6%CO20.45%H2S0DIAMETER (IN)2.375DEPTH (FT)4888SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)1053BOTTOMHOLE PRESSURE (PSIA)1234.7				

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Lively #18

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

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SAN JUAN 28-7 UNIT #240 - - 43931A Print Time: Tue Jun 13 09:00:05 2000 Property ID: 2111

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LIVELY #18 -- CHACRA OFFSET

Date	MCF	<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-- M_SIWHP 01/20/86 0 1053.0 05/17/86 11527 834.0 12/15/87 604.0 130040 03/15/88 147939 484.0 07/12/89 202583 653.0

247501

284878

308334

379995

510.0

433.0

421.0

372.0

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09/29/90

06/21/91

12/16/91

07/06/93

Lively #18

Mesaverde Offset

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-- M_SIWHP Lively #18 02/09/74 0 2398.0 05/25/74 6823 1712.0 **Existing Dakota** 05/22/75 60672 1032.0 04/22/76 91141 932.0 932.0 05/11/77 120819 05/01/79 857.0 169599 11/09/82 238516 773.0 833.0 10/17/83 249154 277765 813.0 08/09/85 08/31/88 315998 709.0

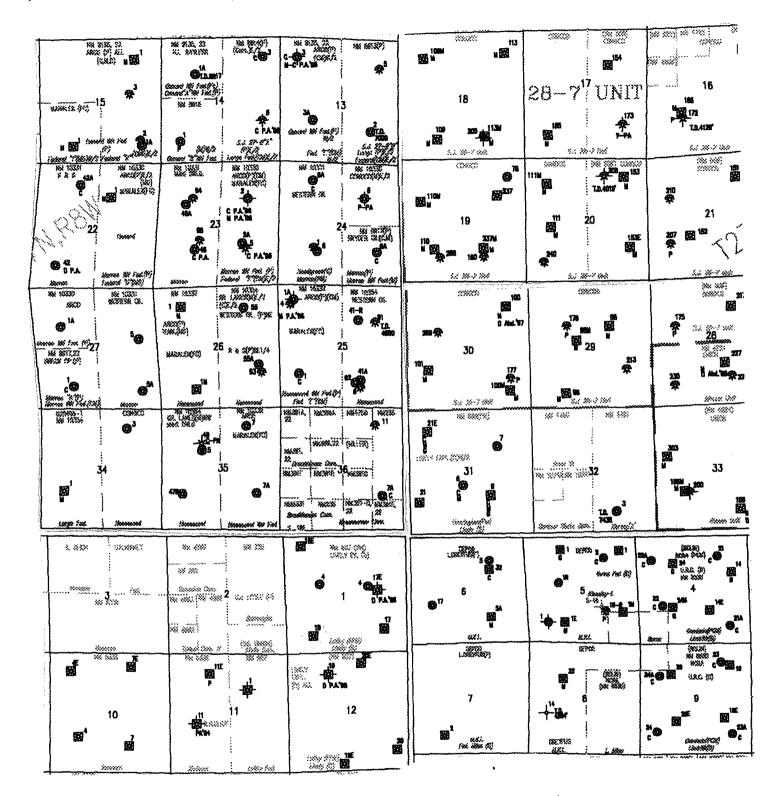
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Lively #18 Dakota / Mesaverde / Chacra 26N – 8W – 01M

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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

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Peggy Cole

Print or Type Name

Regulatory/Compliance Administrator