

DATE IN 7/17/00	SUSPENSE 8/7/00	ENGINEER DC	LOGGED MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
 - Engineering Bureau -

2793

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

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.

Peggy Cole

*Peggy Cole*

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

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  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-21325		<sup>2</sup> Pool Code 71599 82329/72319/		<sup>3</sup> Pool Name Basin Dakota Otero Chacra/Blanco Mesaverde/	
<sup>4</sup> Property Code 18182		<sup>5</sup> Property Name Lively			<sup>6</sup> Well Number 17
<sup>7</sup> OGRID No. 14538		<sup>8</sup> Operator Name Burlington Resources Oil & Gas Company			<sup>9</sup> Elevation 6096' GR

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	1	26N	8W		990'	South	990'	East	SJ

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

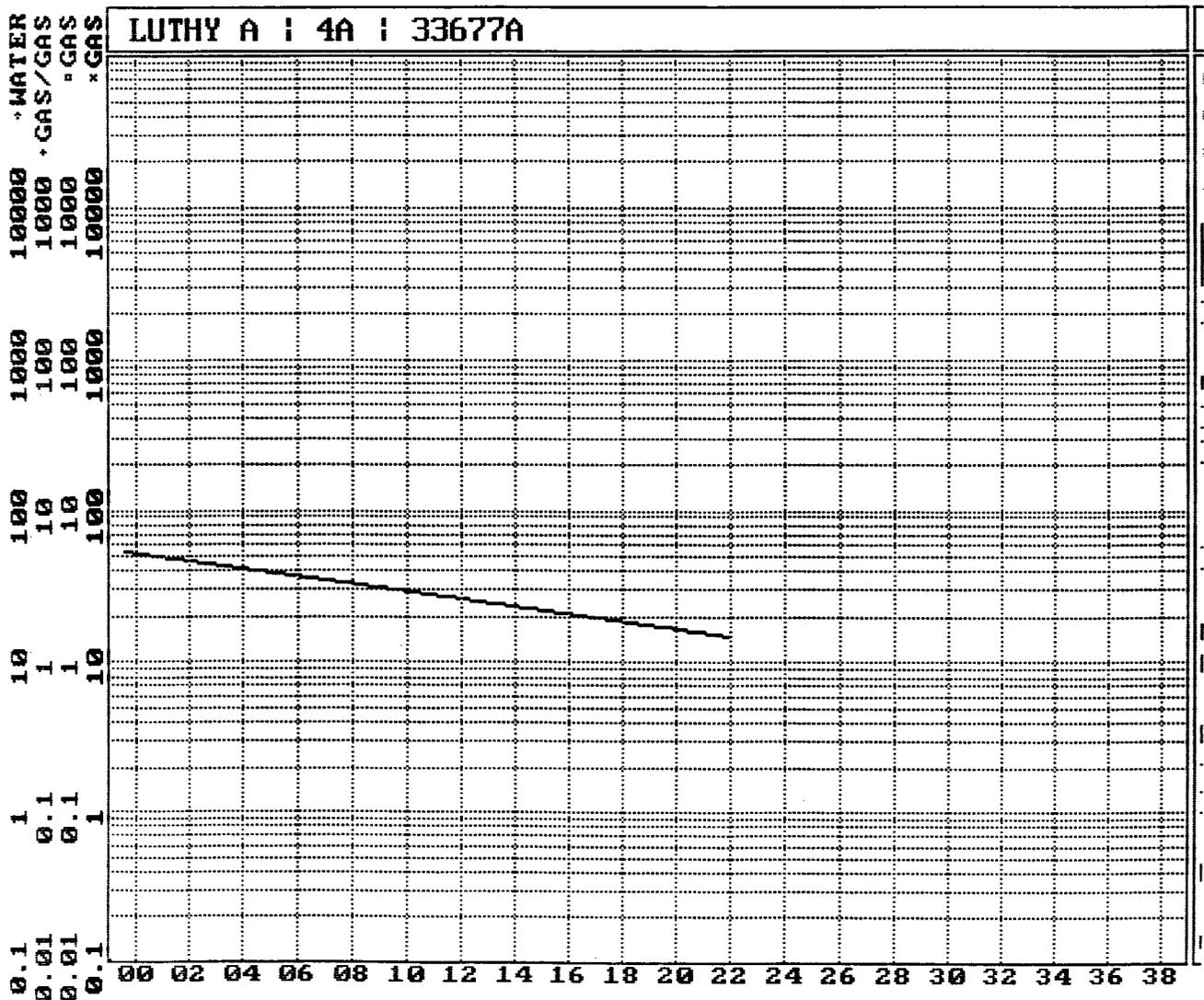
<sup>12</sup> Dedicated Acres Cha - 160 MV/DK-E/120.50	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>  Original plat from E.V.Echohawk 8-10-73	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>			
	Signature Peggy Cole Printed Name Regulatory Administrator Title			
	Date			
<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>				
Date of Survey				
Signature and Seal of Professional Surveyer:				
Certificate Number				

990'  
 990'

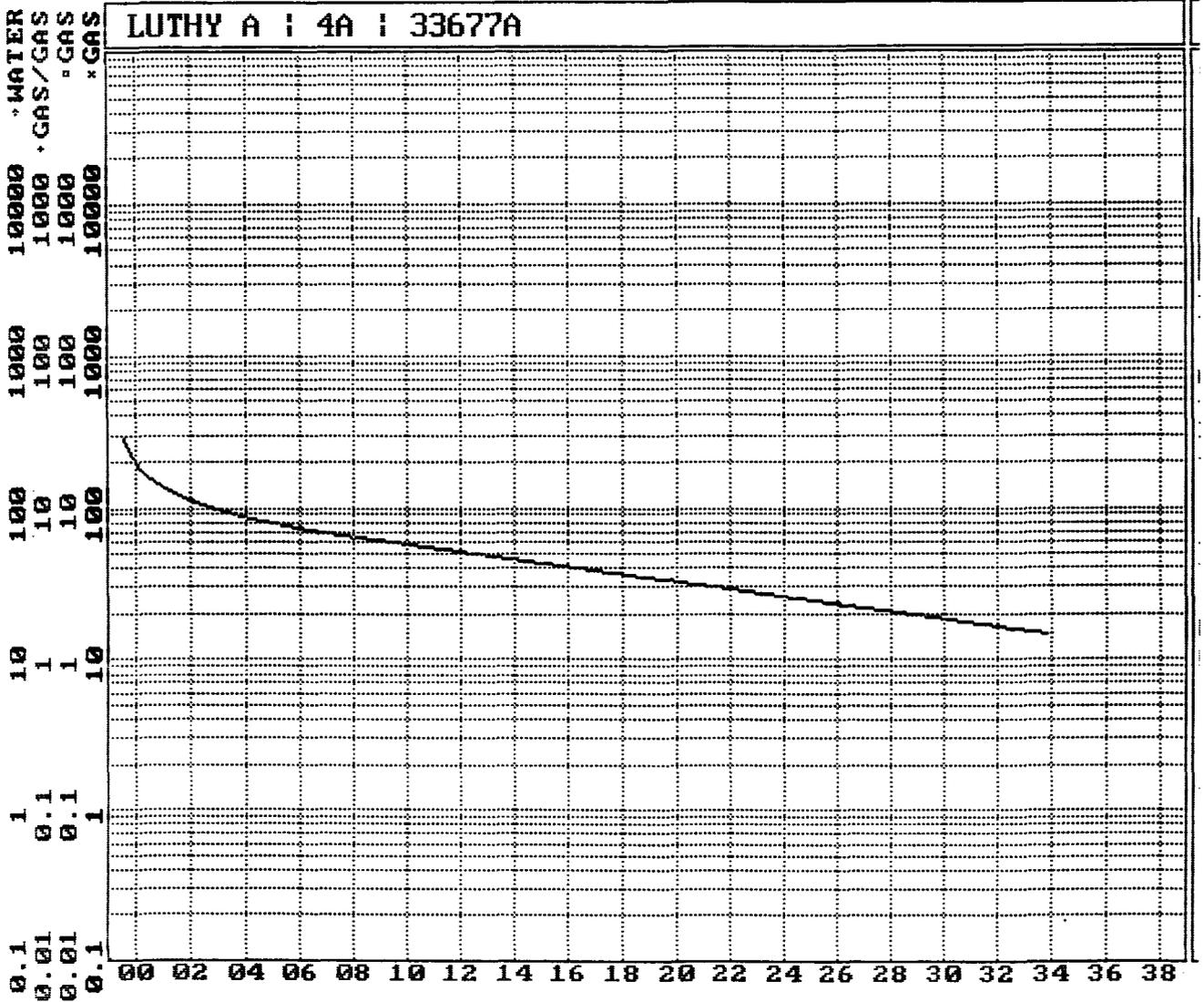
Livey #17  
 Expected Production  
 Chacra Formation



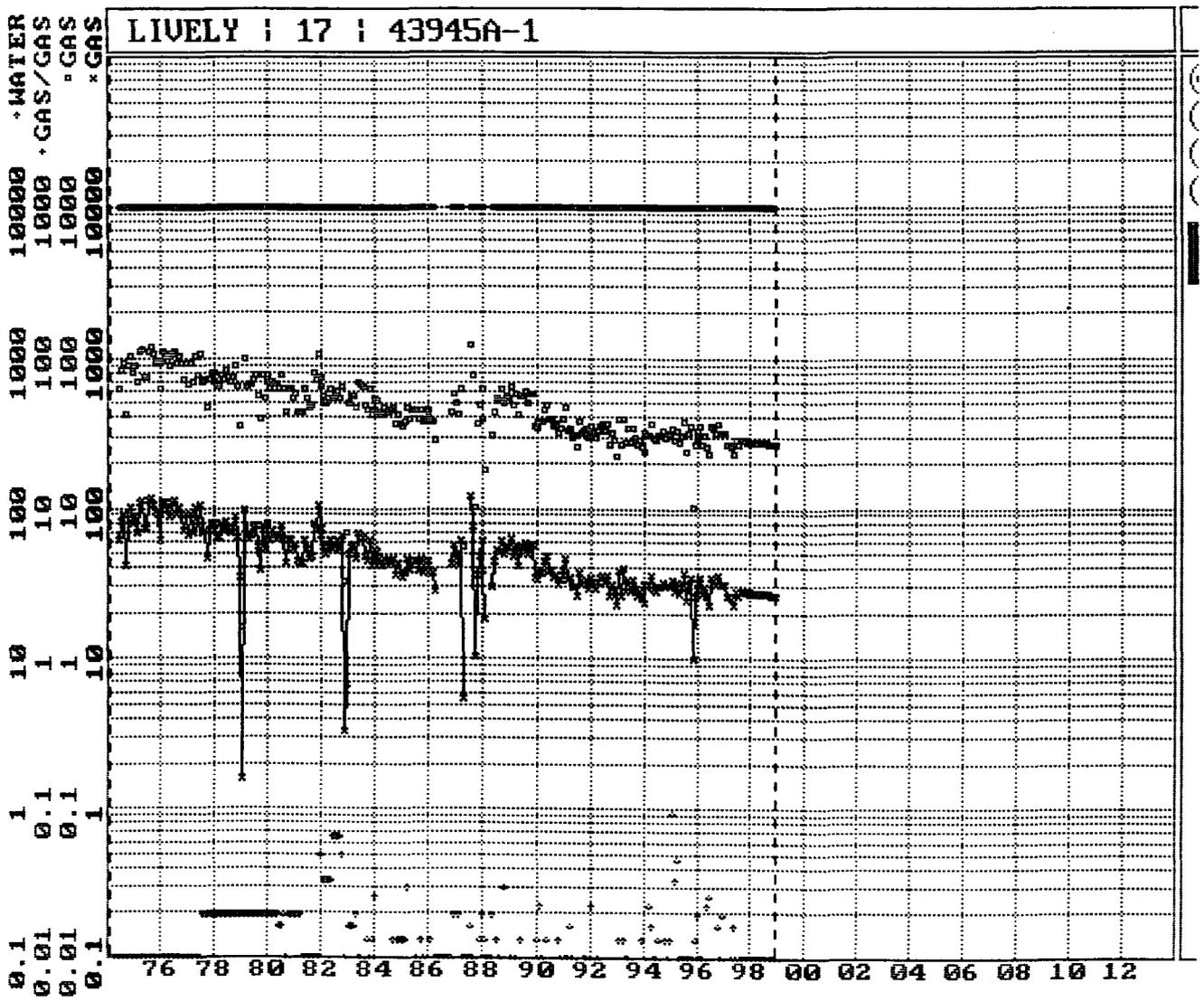
# Livey #17

Expected Production

Mesaverde Formation



Lively #17  
Actual Production  
Dakota Formation



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

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

Property ID: 2111

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**LIVELY #17 -- 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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

District II  
811 South First Street, Artesia, NM 88210

**OIL CONSERVATION DIVISION**

APPLICATION TYPE

District III  
1000 Rio Brazos Road, Aztec, NM 87410

2040 South Pacheco  
Santa Fe, New Mexico 87505

Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

District IV  
2040 South Pacheco, Santa Fe, NM 87505

**APPLICATION FOR DOWNHOLE COMMINGLING**

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator Address  
LIVELY 17 P 01-26N-08W San Juan

Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 18182 API No. 30-045-21325 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Otero Chacra	Blanco Mesaverde	Basin Dakota
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	6437'-6633'
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)	Current: 571 psi (see attached) Original: 1210 psi (see attached)	Current: 427 psi (see attached) Original: 1235 psi (see attached)	Current: 1125 psi (see attached) Original: 1973 psi (see attached)
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 history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates:	Date: Rates:	Date: April, 2000 Rates: 810 per month
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 % % will be supplied upon completion	Oil Gas % % will be supplied upon completion	Oil Gas % % will be supplied upon completion

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No

Are all produced fluids from all commingled zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No   
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  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 Wayne Fletcher TITLE Sr. Prod. Eng. DATE 7/14/00  
nco  
TYPE OR PRINT NAME Wayne Fletcher TELEPHONE NO. (505) 326-9700



Page No.: 1

Print Time: Tue Feb 09 12:14:09 1999

Property ID: 13

Property Name: LIVELY | 17 | 43945A-1

Table Name: C:\ARIES\1MINGLE\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP  
Mcf Psi

02/28/74	0	1613.0
07/18/74	4407	1450.0
05/23/75	30572	1152.0
04/22/76	62932	752.0
05/11/77	98340	1162.0
05/01/79	148897	1127.0
11/01/83	244409	958.0
08/09/85	272157	936.0

Lively #17

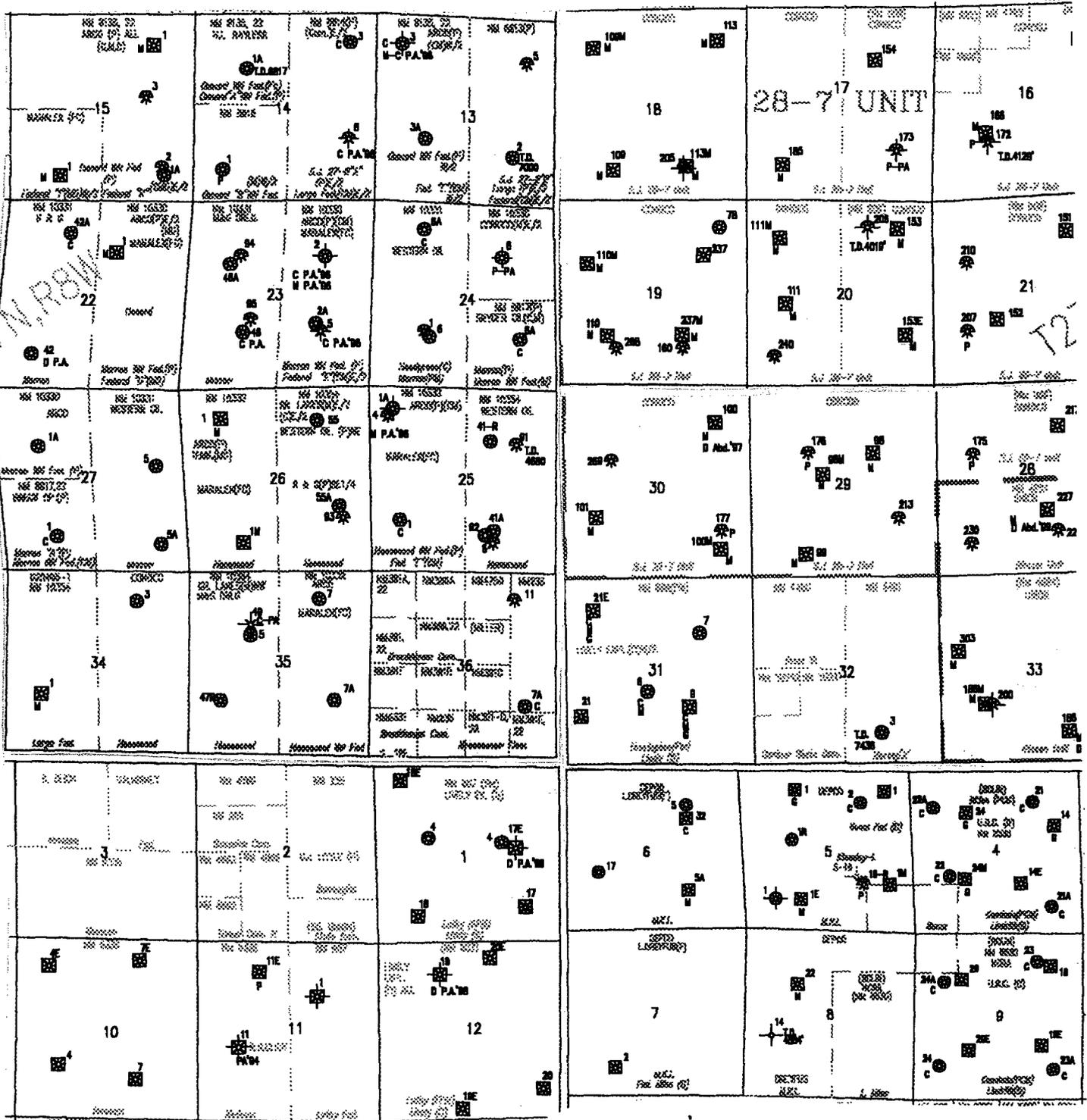
Existing Dakota

**Lively #17**  
 Bottom Hole Pressures  
 Flowing and Static BHP  
 Cullender and Smith Method  
 Version 1.0 3/13/94

<b>Chacra</b>		<b>Mesaverde</b>	
<u>CH-Current</u>		<u>MV-Current</u>	
GAS GRAVITY	0.716	GAS GRAVITY	0.769
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.82	%N2	0.6
%CO2	0.37	%CO2	0.45
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4310	DEPTH (FT)	4888
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	509	SURFACE PRESSURE (PSIA)	372
BOTTOMHOLE PRESSURE (PSIA)	570.5	BOTTOMHOLE PRESSURE (PSIA)	426.5
<u>CH-Original</u>		<u>MV-Original</u>	
GAS GRAVITY	0.716	GAS GRAVITY	0.769
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.82	%N2	0.6
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DIAMETER (IN)	2.375	DIAMETER (IN)	2.375
DEPTH (FT)	4310	DEPTH (FT)	4888
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1066	SURFACE PRESSURE (PSIA)	1053
BOTTOMHOLE PRESSURE (PSIA)	1209.9	BOTTOMHOLE PRESSURE (PSIA)	1234.7

**Lively #17**  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
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<b>Dakota</b>	
<b><u>DK-Current</u></b>	
GAS GRAVITY	<u>0.699</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.63</u>
%CO2	<u>1.04</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.25</u>
DEPTH (FT)	<u>6575</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>936</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 100px;" type="text" value="1124.6"/>
<b><u>DK-Original</u></b>	
GAS GRAVITY	<u>0.699</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.63</u>
%CO2	<u>1.04</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>1.25</u>
DEPTH (FT)	<u>6575</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1613</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 100px;" type="text" value="1972.7"/>



Lively #17

Dakota / Mesaverde / Chacra

26N - 8W - 01P

DATE IN 12/23/99	SUSPENSE 1/12/00	ENGINEER DC	LOGGED KN	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

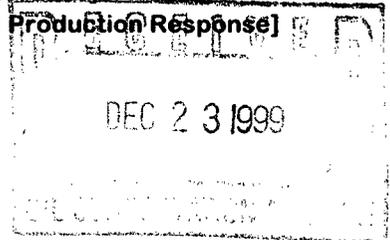
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- Engineering Bureau -

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**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Directional Drilling  
NSL NSP DD SD

Check One Only for [B] and [C]

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X DHC CTB PLC PC OLS OLM

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Peggy Cole

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date