

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

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2795

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
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
WFX PMX SWD IPI EOR PPR

RECEIVED
JUL 17 2000

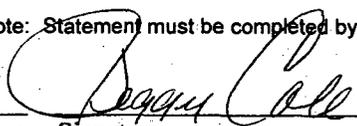
[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [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] 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		Regulatory/Compliance Administrator	
Print or Type Name	Signature	Title	Date

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

District II
811 South First Street, Artesia, NM 88210

District III
1000 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

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE
 Single Well
 Establish Pre-Approved Pools
EXISTING WELLBORE
 Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator Address
LIVELY 18E D 01-26N-08W San Juan

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

OGRID No. 14538 Property Code 18182 API No. 30-045-24581 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	6654'-6768'
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: 799 psi (see attached) Original: 2614 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: 918 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?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes 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 or the United States Bureau of Land Management been notified in writing of this application? Yes No
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

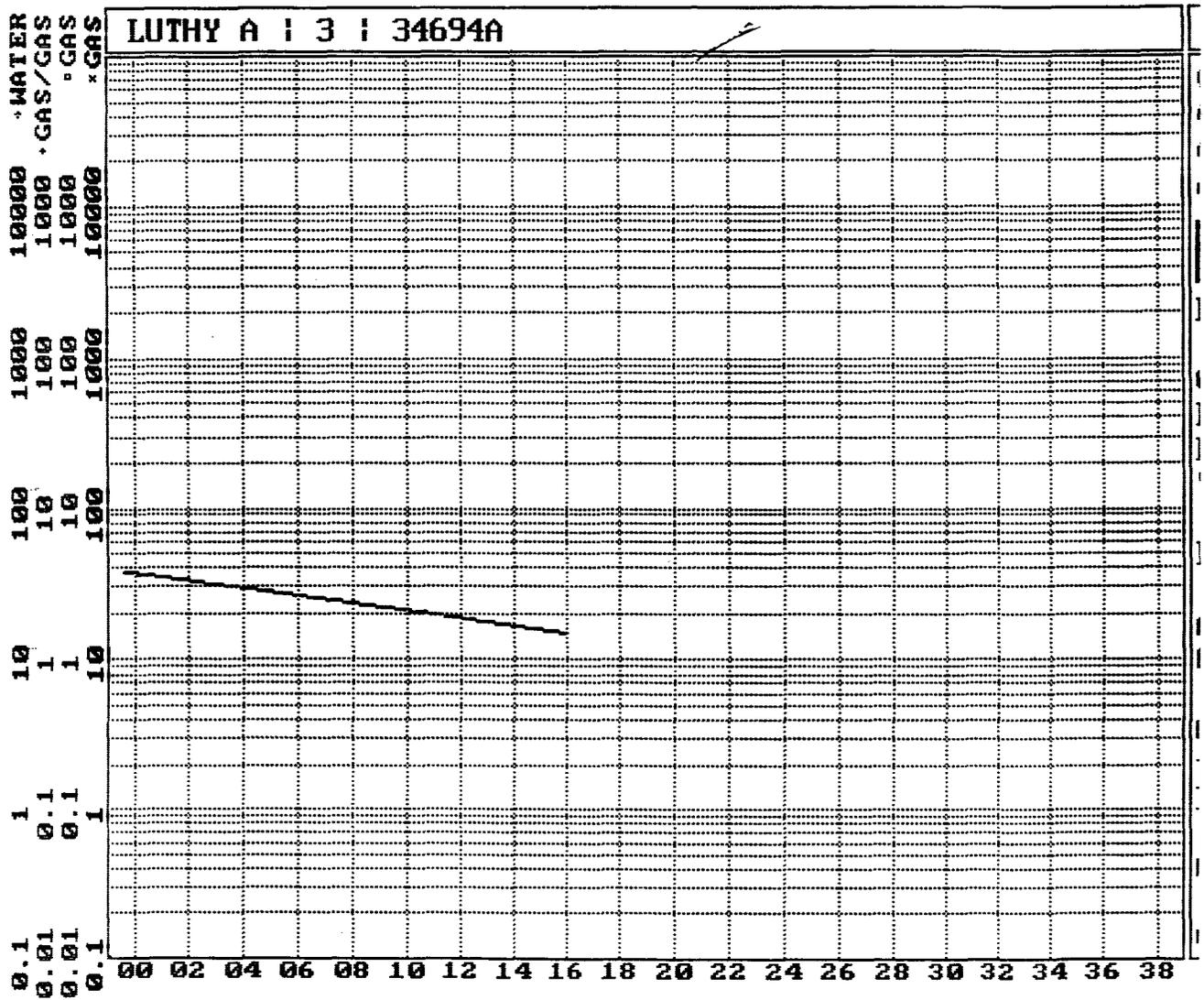
If application is to establish Pre-Approved Pools, the following additional information will be required:

- 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.

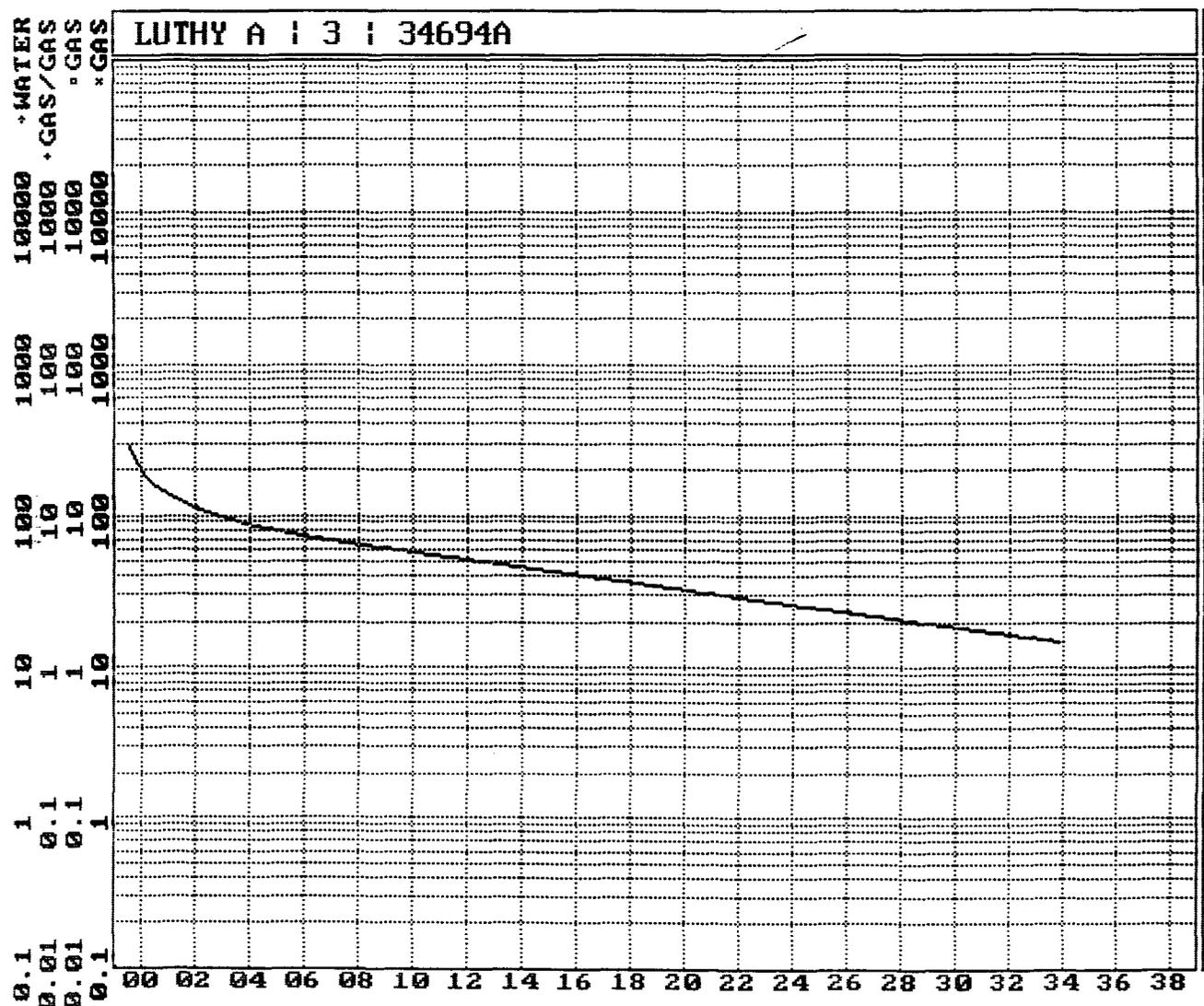
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Wayne Fletcher TITLE Sr. Prod. Eng. DATE 7/14/00
nco
TYPE OR PRINT NAME Wayne Fletcher TELEPHONE NO. (505) 326-9700

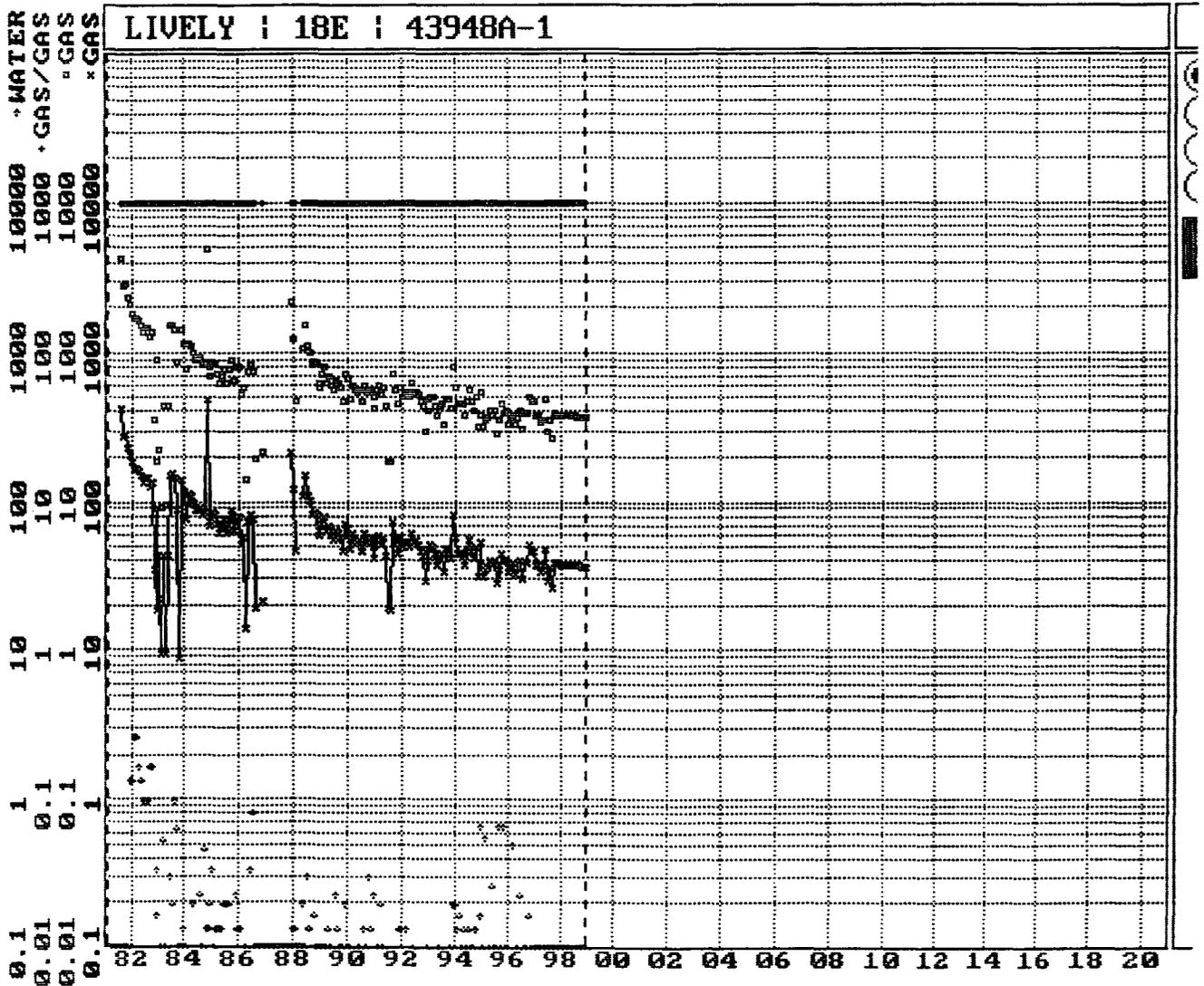
Lively #18E
Expected Production
Chacra Formation



Lively #18E
Expected Production
Mesaverde Formation



Lively #18E
Actual Production
Dakota Formation



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

¹ API Number 30-045-24581		² Pool Code 71599 82329/72319/		³ Pool Name Basin Dakota Otero Chacra/Blanco Mesaverde/	
⁴ Property Code 18182		⁵ Property Name Lively			⁶ Well Number 18E
⁷ OGRID No. 14538		⁸ Operator Name Burlington Resources Oil & Gas Company			⁹ Elevation 6220'GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	1	26N	8W		410'	North	750'	West	SJ

¹¹ 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

¹² Dedicated Acres Cha-160 MV/DK-W/121.50	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶ 150 410	Original plat from E.L. Risenhoover 3-28-80			¹⁷ 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	
					¹⁸ 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:

Lively #18E
 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 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
%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)	1066	SURFACE PRESSURE (PSIA)	1053
BOTTOMHOLE PRESSURE (PSIA)	1209.9	BOTTOMHOLE PRESSURE (PSIA)	1234.7

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

Dakota	
<u>DK-Current</u>	
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>671</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 50px;" type="text" value="799.1"/>
<u>DK-Original</u>	
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>2130</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 50px;" type="text" value="2614.3"/>

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

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

Property ID: 2111

LIVELY #18E -- 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

Page No.: 1

Print Time: Tue Feb 09 11:04:27 1999

Property ID: 1131

Property Name: LIVELY | 18E | 43948A-1

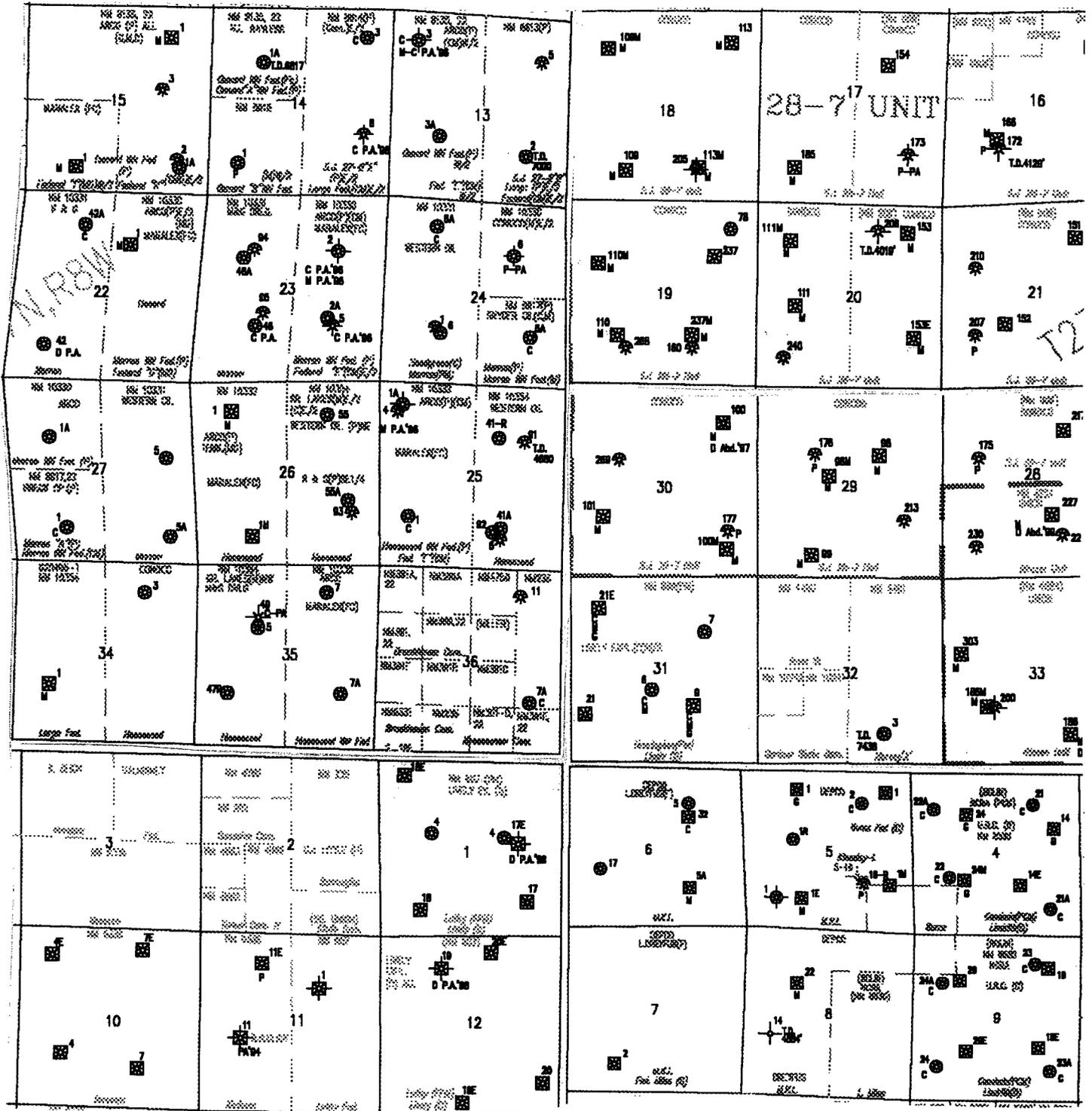
Table Name: K:\ARIES\RR99PDP\TEST DRP

--DATE-- ---CUM_GAS-- M SIWHP
Mcf Psi

03/14/81	0	2130.0
06/01/82	68286	884.0
11/09/82	90289	810.0
10/17/83	113834	859.0
08/09/85	182072	711.0
06/01/88	225577	903.0
05/07/90	273369	671.0

Lively #18E

Dakota Offset



Lively #18E

Dakota / Mesaverde / Chacra

26N - 8W - 01D