

DATE IN 1/24/01	SUBJECT 2/13/01	ENGINEER DC	LOGGED IN KN	TYPE DHC	APP NO. 103647691
-----------------	-----------------	-------------	--------------	----------	-------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



287

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [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 - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [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

[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** - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the 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 (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Peggy Cole

Print or Type Name

Signature

Regulatory Supervisor

Title

Date

pbradfield@br-inc.com

e-mail Address

1-23-01

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
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY PO BOX 4289, FARMINGTON, NM 87499

Operator	Address		
DUSENBERRY	3E	H-1-31N-12W	SAN JUAN
Lease	Well No.	Unit Letter-Section-Township-Range	County
OGRID No. 14538	Property Code 18515	API No. 3004523644	Lease Type: Federal State X Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BLANCO MESAVERDE	DUSENBERRY GALLUP	BASIN DAKOTA
Pool Code	72319	76180	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	WILL BE SUPPLIED UPON COMPLETION	6818'-6871'	7436'-7626'
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)	544 PSI – CURRENT 915 PSI – ORIGINAL (see attachment)	369 PSI – CURRENT 804 PSI – ORIGINAL (see attachment)	680 PSI – CURRENT 1163 PSI – ORIGINAL (see attachment)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1179	1211	1077
Producing, Shut-In or New Zone	SHUT IN	NEW ZONE	SHUT IN
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: 11/30/00 Rates: 0 mcf/d	Date: New Zone Rates: (see attached)	Date: 11/30/00 Rates: 43 mcf/d
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 X
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? Yes X No
Will commingling decrease the value of production? Yes No X
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 X No
NMOCD Reference Case No. applicable to this well:

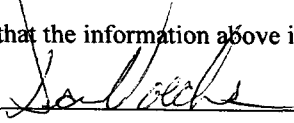
Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation 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	TITLE	DATE
	Production Engineer	01/16/01
TYPE OR PRINT NAME Dan T. Voecks		
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
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 30-045-23644		² Pool Code 71599 72319/76180/		³ Pool Name Basin Dakota Blanco Mesaverde/Dusenberry Gallup/	
⁴ Property Code 18515		⁴ Property Name Dusenberry			⁵ Well Number 3E
⁷ OGRID No. 14538		⁶ Operator Name Burlington Resources Oil & Gas Company			⁸ Elevation 6375' 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
H	1	31N	12W		1720	North	790	East	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
Gal-155.52
¹³ Joint or Infill
MV/DK-E/315.58
¹⁴ Consolidation Code
¹⁵ Order No.

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 Original plat from Fred B. Kerr Jr. 6-19-79										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 Surveyor:	
										Certificate Number	

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

Mesaverde	
<u>MV-Current</u>	
GAS GRAVITY	0.688
COND. OR MISC. (C/M)	C
%N2	0.274
%CO2	1.548
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7635
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	449
BOTTOMHOLE PRESSURE (PSIA)	543.7
<u>MV-Original</u>	
GAS GRAVITY	0.688
COND. OR MISC. (C/M)	C
%N2	0.274
%CO2	1.548
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7635
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	748
BOTTOMHOLE PRESSURE (PSIA)	915.1

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

Gallup		Dakota	
<u>GP-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.698	GAS GRAVITY	0.639
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.2	%N2	0.176
%CO2	0.97	%CO2	2.624
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	6699	DEPTH (FT)	6699
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	312	SURFACE PRESSURE (PSIA)	587
BOTTOMHOLE PRESSURE (PSIA)	368.5	BOTTOMHOLE PRESSURE (PSIA)	680.2
<u>GP-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.698	GAS GRAVITY	0.639
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.2	%N2	0.176
%CO2	0.97	%CO2	2.624
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	6699	DEPTH (FT)	6699
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	673	SURFACE PRESSURE (PSIA)	997
BOTTOMHOLE PRESSURE (PSIA)	803.9	BOTTOMHOLE PRESSURE (PSIA)	1163.4

<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
DK DUSENBERRY 3E 1467001	1980 4 24	997
DK DUSENBERRY 3E 1467001	1981 8 16	841
DK DUSENBERRY 3E 1467001	1982 4 1	587
DK DUSENBERRY 3E 1467001	1983 4 24	547
DK DUSENBERRY 3E 1467001	1985 5 29	621
DK DUSENBERRY 3E 1467001	1988 1 13	532
DK DUSENBERRY 3E 1467001	1990 9 5	587

<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
GP CLAYTON 1 5293102	1970 11 23	673
GP CLAYTON 1 5293102	1972 6 13	573
GP CLAYTON 1 5293102	1973 5 23	532
GP CLAYTON 1 5293102	1975 4 3	492
GP CLAYTON 1 5293102	1977 6 30	450
GP CLAYTON 1 5293102	1979 4 30	434
GP CLAYTON 1 5293102	1980 12 22	371
GP CLAYTON 1 5293102	1981 5 6	330
GP CLAYTON 1 5293102	1983 6 9	332
GP CLAYTON 1 5293102	1985 8 5	312

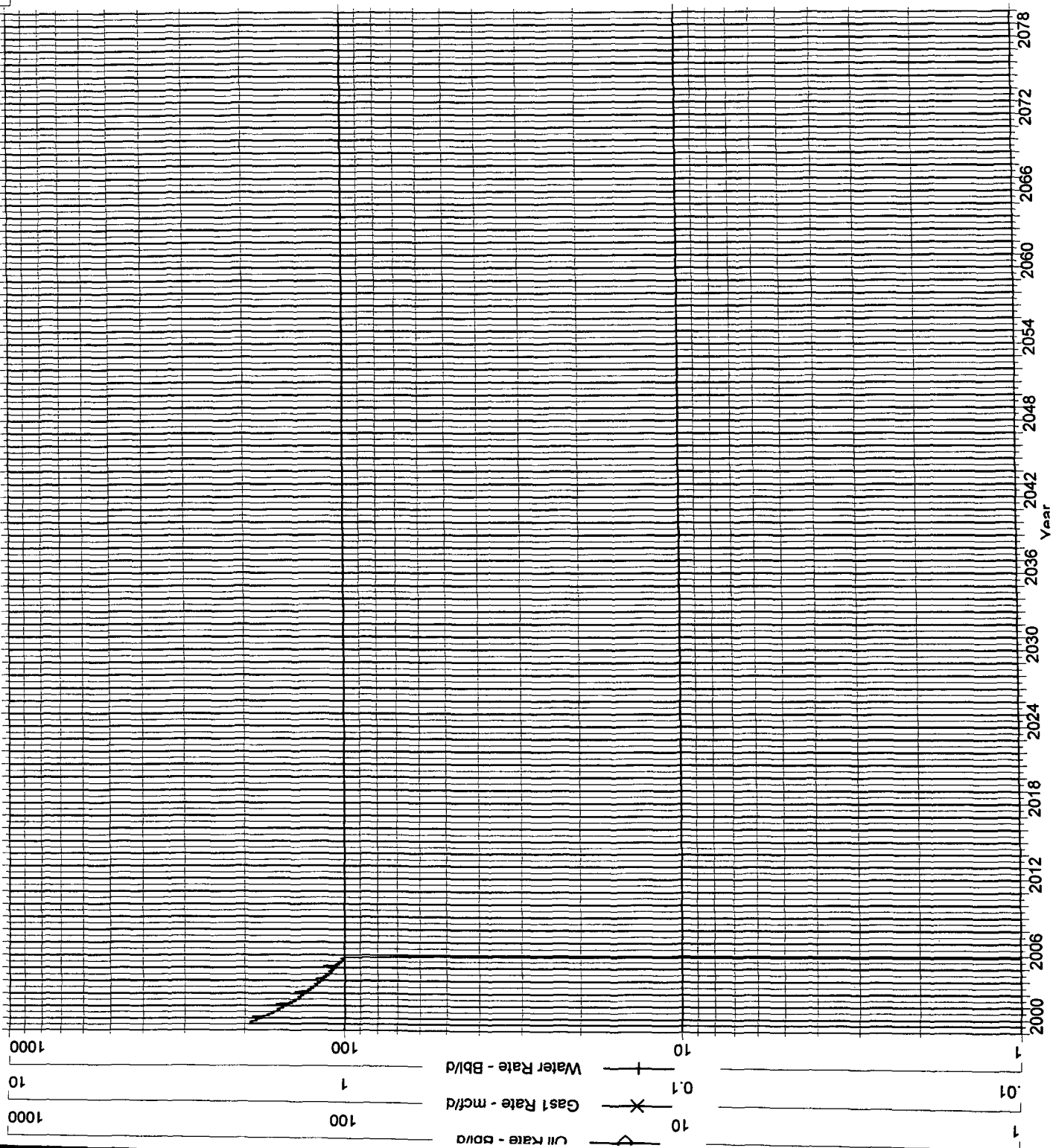
<u>Well Name</u>	<u>Date</u>	<u>PSI</u>
MV DAVIS 10 1160902	1970 4 18	748
MV DAVIS 10 1160902	1971 4 18	657
MV DAVIS 10 1160902	1972 3 18	641
MV DAVIS 10 1160902	1973 6 2	641
MV DAVIS 10 1160902	1974 6 19	587
MV DAVIS 10 1160902	1976 6 18	585
MV DAVIS 10 1160902	1978 5 3	517
MV DAVIS 10 1160902	1980 8 16	528
MV DAVIS 10 1160902	1982 4 8	520
MV DAVIS 10 1160902	1984 6 27	509
MV DAVIS 10 1160902	1986 2 19	495
MV DAVIS 10 1160902	1989 10 26	468
MV DAVIS 10 1160902	1991 6 19	446
MV DAVIS 10 1160902	1991 7 15	458
MV DAVIS 10 1160902	1993 6 2	449

Operator:
Field:
Zone:
Type: Other
Group: None

Dusenberry #3E

Expected Production

Mesaverde Formation



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

Operator: BURLINGTON RESOURCES OIL GAS CO LP

Field: BASIN DAKOTA (PRORATED GAS)

Zone:

Type: Gas

Group: None

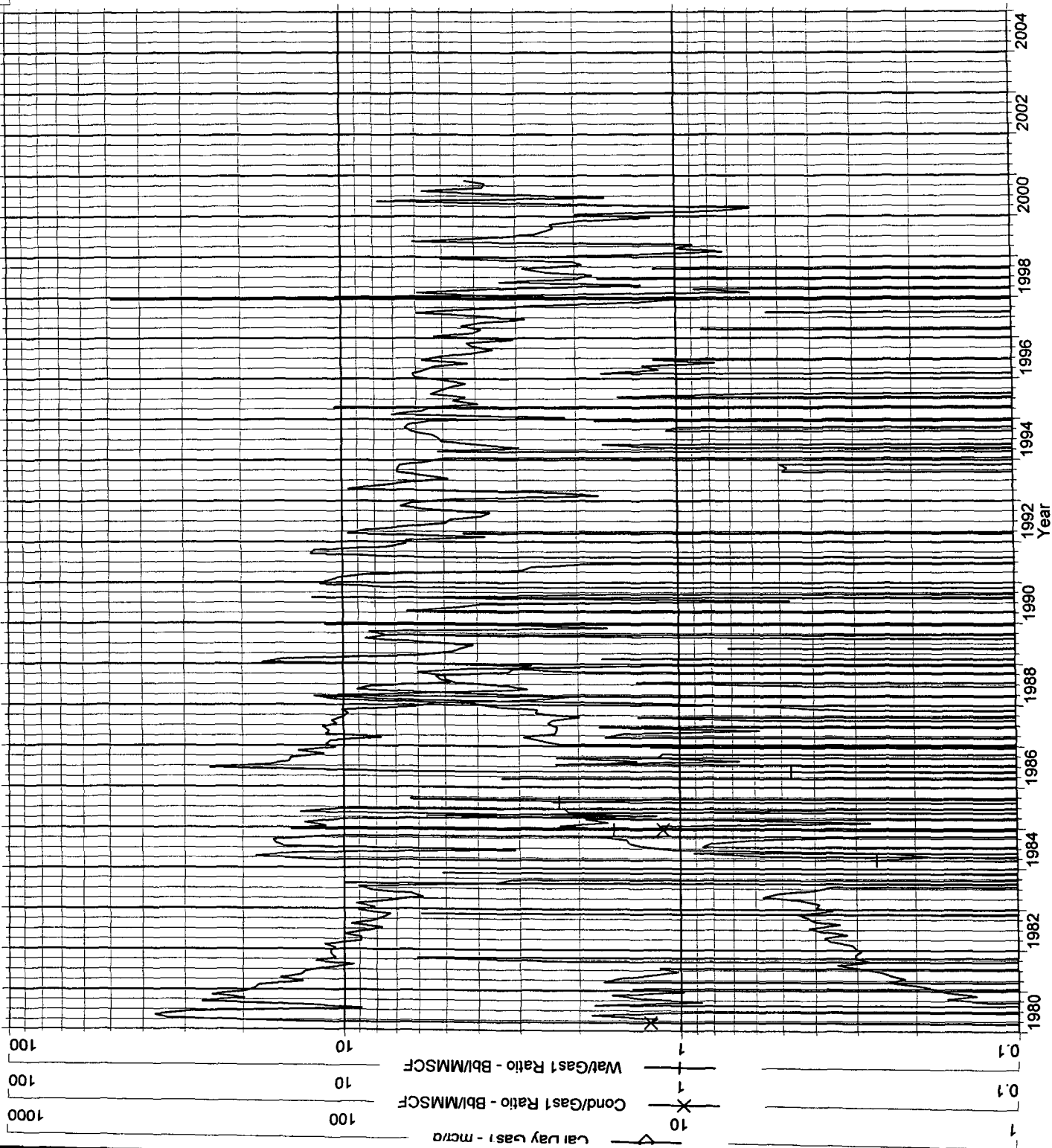
No
Active
Forecast

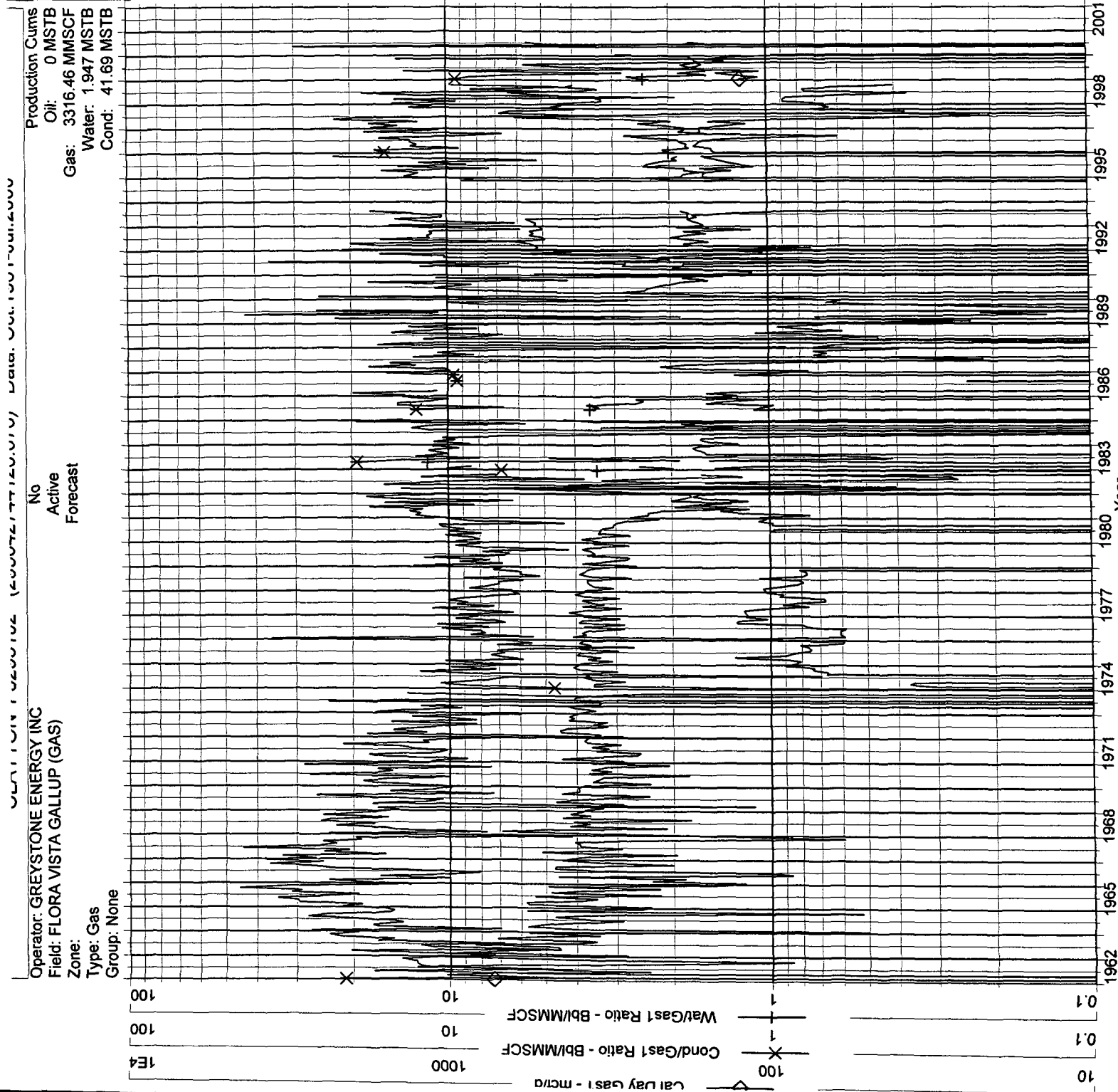
Production Cums
Oil: 0 MSTB
Gas: 518.317 MMSCF
Water: 0.311 MSTB
Cond: 0.436 MSTB

Dusenberry #3E

Actual Production

Dakota Formation



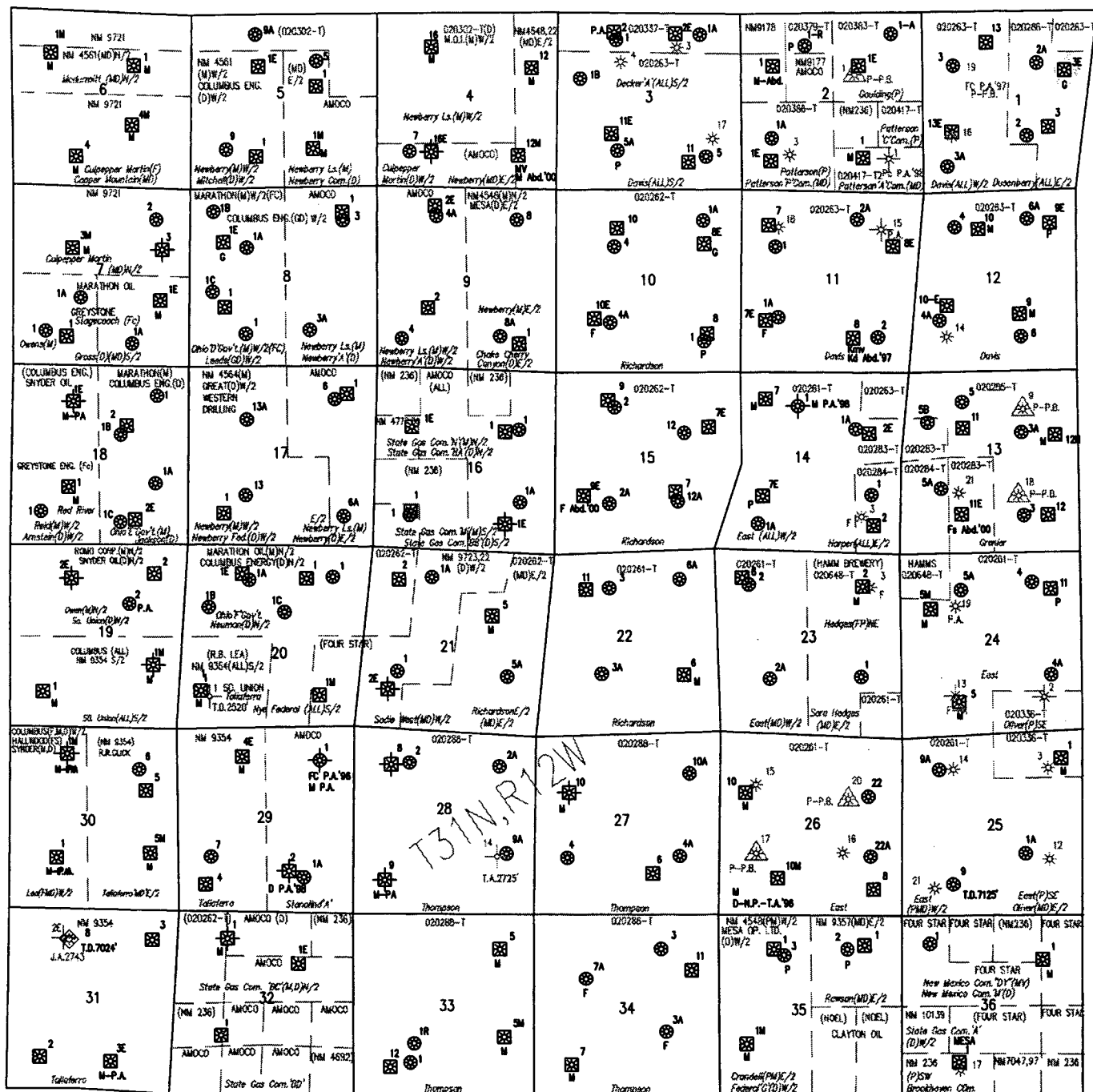


Dusenberry #3E

Offset Actual Production

Gallup Formation

31N-12W-01



**DUSENBERRY #3E
MESAVERDE/DAKOTA/CHACRA FORMATIONS
GWI/NWI/RI/ORRI OWNERS**

OWNER NAME
ADELINE E PRESLAR DTD 10/15/80
BARBARA N KOONS TRUSTEE
BENJAMIN JOSEPH MANSFIELD
BUREAU OF LAND MANAGEMENT
BURLINGTON RESO O&G (SJBT)
DAVID C DUSENBERRY
DELLA E RAY
ELTA DUSENBERRY TRUSTEE
FRANKLIN PFEIFFER
GARY L RAY
GORDON L GOTTSTEIN
JAMES A DUSENBERRY FAMILY TRUST
JANE BARBARA BAER TRUST
JAY GOTTSTEIN TRUSTEE
LINDA BETH RAY LEWIS
LINDA STROBEL
M EDWARD RAY
MARILYN R WILLIAMS
MIRIAM N WASHBURN
NED RALPH DUSENBERRY
ROBERT R DIAL LIFE ESTATE
RONALD S DAVIS M D
RUTH DEMEREE
SHARON LOUISE LEA
WALTER E DIAL LIFE TENANT