DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:
___ Administrative ___Hearing

EXISTING WELLBORE
_X_ YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

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

CULPEPPER MARTIN — Lease
17 — Well No.
O 33-32N-12W — Unit Ltr. - Sec - Twp - Rge
SAN JUAN — County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 6935 API NO. 30-045-23018 Federal ___, State ___, (and/or) Fee _X_

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO MESAVERDE – 72319		BASIN DAKOTA - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 530 psi (see attachment)	a. (Current)	a. (Current) 978 psi (see attachment)
	b. (Oriiginal) 996 psi (see attachment)	b. (Oriiginal)	b. (Oriiginal) 1529 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1258		BTU 1172
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
Production Marginal? (yes or no)	NO		YES
* If Shut-In, give date and oil/gas/ water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: % Gas: % WILL BE SUPPLIED UPON COMPLETION

RECEIVED
DEC - 1 1999
OIL CON. DIV.
DIST. 3

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ___ Yes _X_ No
If not, have all working, overriding, and royalty interests been notified by certified mail? _X_ Yes ___ No

11. Will cross-flow occur? _X_ Yes ___ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. _X_ Yes ___ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? _X_ Yes ___ No

13. Will the value of production be decreased by commingling? ___ Yes _X No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. _X_Yes ___ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. 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, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Dan Voecks TITLE PRODUCTION ENGINEER DATE: 11/30/99

TYPE OR PRINT NAME DAN T. VOECKS TELEPHONE NO. 505-326-9700

ah se

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	[2] Pool Code	[3] Pool Name
30-045-23018	72319/71599	Blanco Mesaverde/Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
6935	Culpepper Martin	17

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	Burlington Resources Oil & Gas Company	6025' 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
O	33	32N	12W		1070	South	1840	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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
E/320			

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. 3-30-78

RECEIVED
DEC - 1 1999
OIL CON. DIV.
DIST. 3

1840'

1070'

[17] OPERATOR CERTIFICATION

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

Signature

Peggy Cole
Printed Name

Regulatory Administrator
Title

Date

[18] SURVEYOR CERTIFICATION

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.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Conoco, Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705

BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

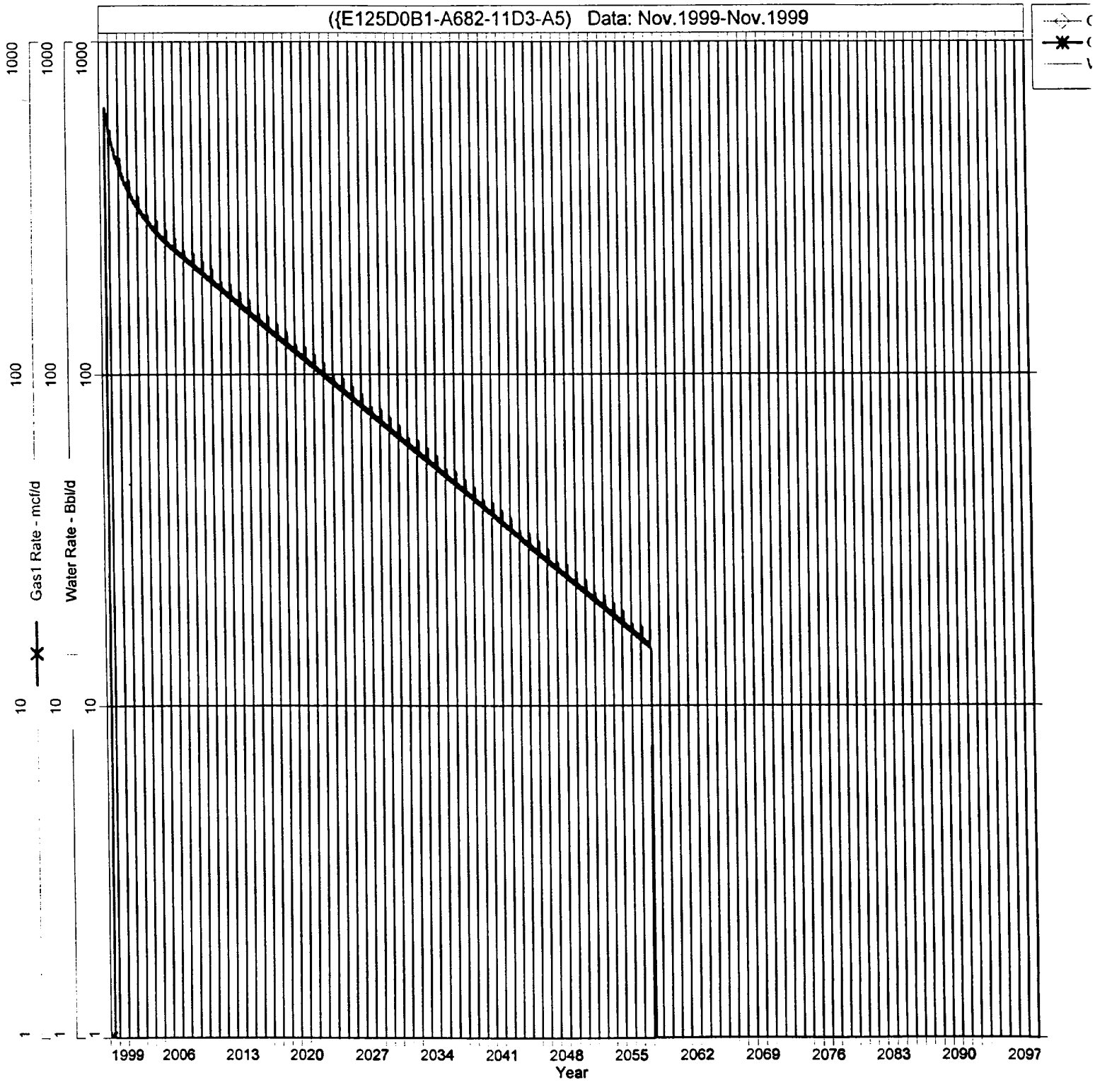
BURLINGTON RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Culpepper Martin #17

Expected Production

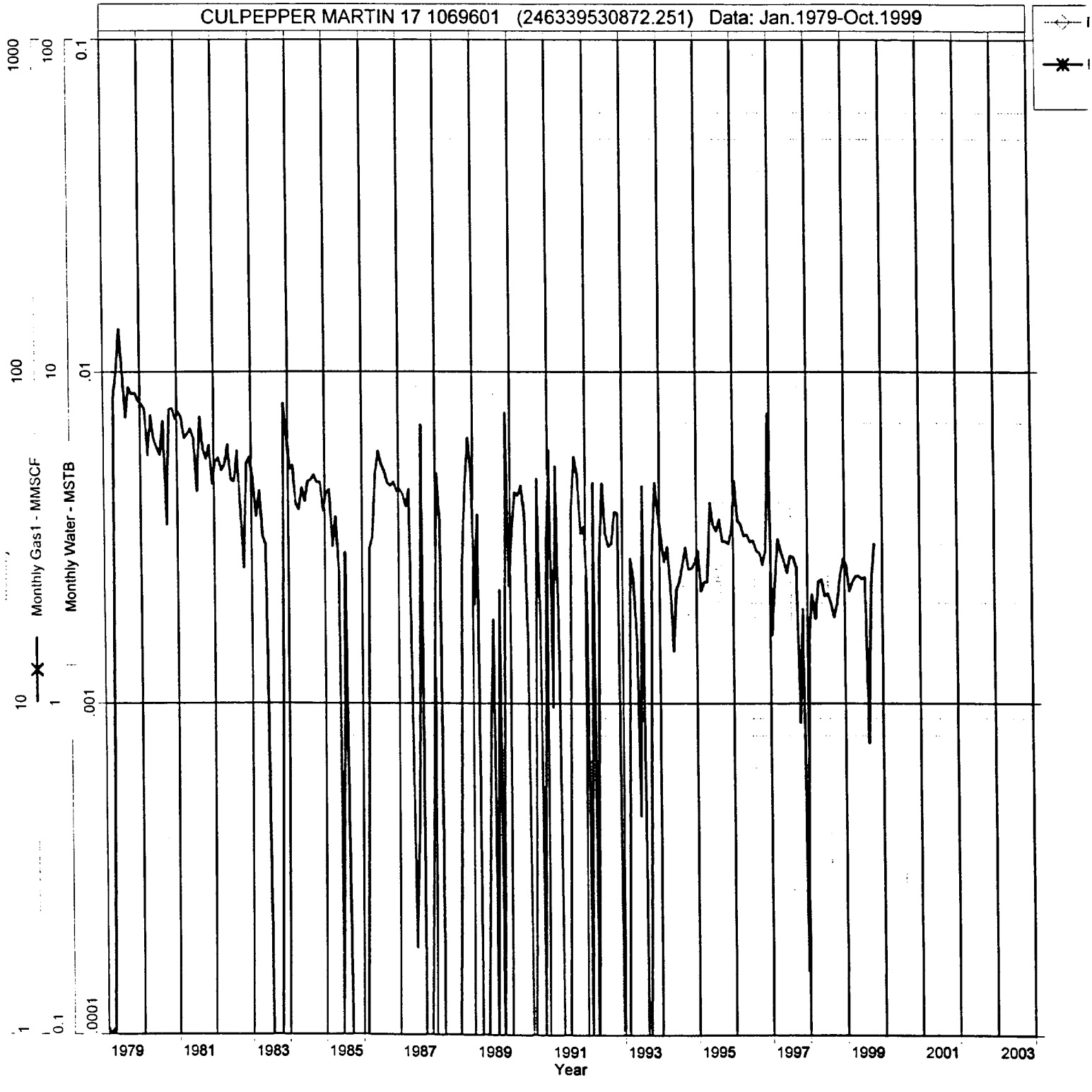
Mesaverde Formation



Culpepper Martin #17

Actual Production

Dakota Formation



Culpepper Martin #17

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde

MV-Current

GAS GRAVITY	0.726
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	0.75
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5086
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	463
BOTTOMHOLE PRESSURE (PSIA)	530.3

MV-Original

GAS GRAVITY	0.726
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	0.75
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	5086
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	860
BOTTOMHOLE PRESSURE (PSIA)	995.9

Dakota

DK-Current

GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C
%N2	0.19
%CO2	2.09
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7085
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	819
BOTTOMHOLE PRESSURE (PSIA)	977.5

DK-Original

GAS GRAVITY	0.692
COND. OR MISC. (C/M)	C
%N2	0.19
%CO2	2.09
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7085
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1268
BOTTOMHOLE PRESSURE (PSIA)	1528.7

Culpepper Martin #17
Mesaverde Offset

Well Name	Date	Pressure
CULPEPPER MARTIN 6A	05/23/77	860
CULPEPPER MARTIN 6A	09/10/77	678
CULPEPPER MARTIN 6A	09/30/77	678
CULPEPPER MARTIN 6A	10/31/77	567
CULPEPPER MARTIN 6A	11/30/77	538
CULPEPPER MARTIN 6A	12/31/77	538
CULPEPPER MARTIN 6A	01/31/78	504
CULPEPPER MARTIN 6A	02/28/78	529
CULPEPPER MARTIN 6A	03/31/78	479
CULPEPPER MARTIN 6A	08/25/78	567
CULPEPPER MARTIN 6A	06/15/79	538
CULPEPPER MARTIN 6A	09/08/80	538
CULPEPPER MARTIN 6A	04/08/82	504
CULPEPPER MARTIN 6A	08/07/84	529
CULPEPPER MARTIN 6A	10/28/86	479
CULPEPPER MARTIN 6A	07/07/89	485
CULPEPPER MARTIN 6A	05/14/91	493
CULPEPPER MARTIN 6A	05/28/91	505
CULPEPPER MARTIN 6A	10/04/93	463

Culpepper Martin #17
Existing Dakota

Well Name	Date	Pressure
CULPEPPER MARTIN 17	05/24/79	1,268
CULPEPPER MARTIN 17	06/01/80	1,013
CULPEPPER MARTIN 17	07/24/81	922
CULPEPPER MARTIN 17	11/23/83	961
CULPEPPER MARTIN 17	04/25/85	818
CULPEPPER MARTIN 17	11/30/88	841
CULPEPPER MARTIN 17	04/25/90	807
CULPEPPER MARTIN 17	03/29/92	819

Culpepper Martin #17

Mesaverde / Dakota

32N – 12W – 33O