DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 South First St.,Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
New 3-12-96

APPROVAL PROCESS :
_X_ Administrative __Hearing

EXISTING WELLBORE
_X_ YES ___ NO

BURLINGTON RESOURCES OIL & GAS COMPANY (Operator) PO Box 4289, Farmington, NM 87499 (Address)

REESE MESA (Lease) 1 (Well No.) H, Sec. 12, T32N, R08W (Unit Ltr. - Sec - Twp - Rge) SAN JUAN (County)

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18606 API NO. 30-045-2053600 Federal X , State _____ , (and/or) Fee _____

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)	6050'-6312'		8546'-8669'
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	(Current) a. 271.2 psia @ 6181'	a.	a. 567.5 psia @ 7927'
	(Original) b. 1128.5 psia @ 6181'	b.	b. 2043 psia @ 7927'
6. Oil Gravity (°API) or Gas BTU Content	1005 BTU		988 BTU
7. Producing orShut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		YES
* If Shut-In 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: Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date 11/1/99 - 11/30/99 Rates: 155 MCF/D 0 BOD O BWD	Date: Rates:	Date: 11/1/99 - 11/30/99 Rates: 81MCF/D 0 BOD O BWD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: Will supply after commingling	Oil: Gas:	Oil: Gas: Will supply after commingling

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? _X_ Yes ___No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___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, orcommunitized 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 leasone 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 Mike Haddenham TITLE Operations Engineer DATE 12-29-99

TYPE OR PRINT NAME MIKE HADDENHAM TELEPHONE NO. (505) 326-9577

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Aztec Oil & Gas Company	Reese Mesa	1

Unit Letter	Section	Township	Range	County
H	12	32N	8W	San Juan

Actual Footage Location of Well:
990 feet from the North line and 990 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
7095	Dakota-Mesa Verde	Blanco Mesa Verde-Basin Dakota	322.38 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

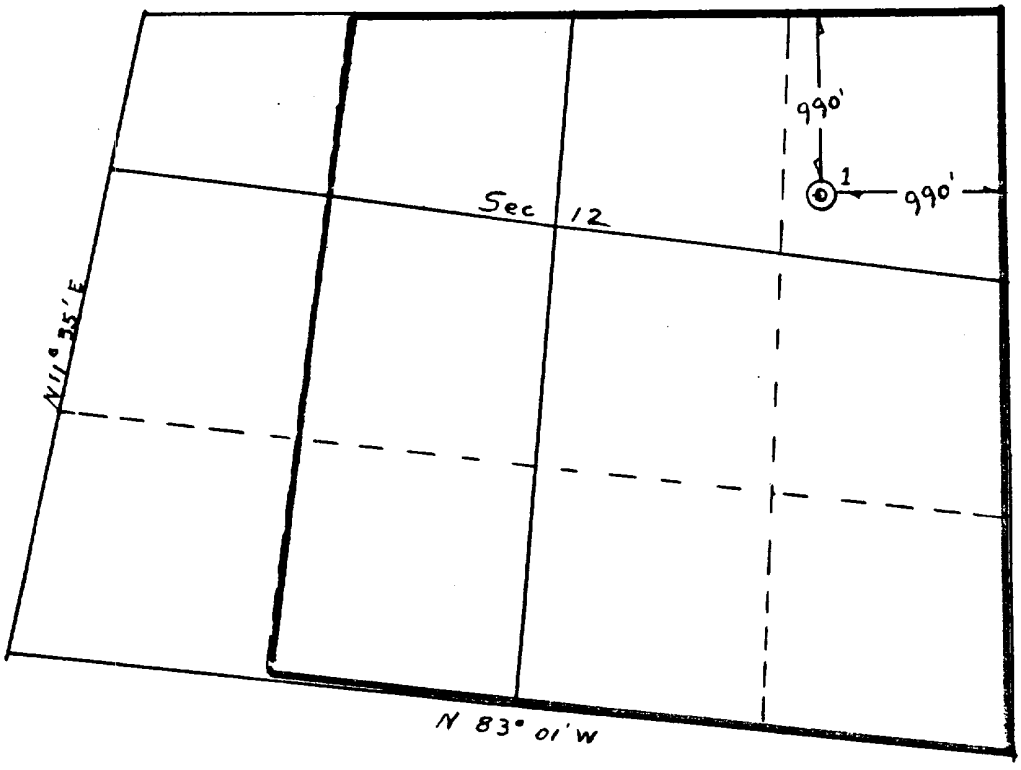
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

CERTIFICATION

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

Joe C. Dalmon

Name: District Superintendent

Position: Aztec Oil & Gas

Company: 7-21-69

Date

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 knowledge and belief.

Date Surveyed: July 14, 1969

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No. 3950

Reese Mesa #1
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 3/13/94

MV

MV-Current

GAS GRAVITY	0.592
COND. OR MISC. (C/M)	M
%N2	0.09
%CO2	2.83
%H2S	0
DIAMETER (IN)	4
DEPTH (FT)	6181
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	140
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	239
BOTTOMHOLE PRESSURE (PSIA)	271.2

MV-Original

GAS GRAVITY	0.592
COND. OR MISC. (C/M)	M
%N2	0.09
%CO2	2.83
%H2S	0
DIAMETER (IN)	4
DEPTH (FT)	6181
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	140
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	983
BOTTOMHOLE PRESSURE (PSIA)	1128.5

DK

DK-Current

GAS GRAVITY	0.592
COND. OR MISC. (C/M)	M
%N2	0.14
%CO2	2.81
%H2S	0
DIAMETER (IN)	4
DEPTH (FT)	7972
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	184
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	483
BOTTOMHOLE PRESSURE (PSIA)	567.5

DK-Original

GAS GRAVITY	0.592
COND. OR MISC. (C/M)	M
%N2	0.14
%CO2	2.81
%H2S	0
DIAMETER (IN)	4
DEPTH (FT)	7972
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	184
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1710
BOTTOMHOLE PRESSURE (PSIA)	2043.0

API # 30-045-20536

STATE OF NEW MEXICO
ENERGY and MINERALS
DEPARTMENT

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator BURLINGTON RESOURCES OIL & GAS CO. Lease REESE MESA Well No. 1

Location of Well: Unit H Sect 12 Twp. 032N Rge. 008W County SAN JUAN

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	MESAVERDE	Gas	Flow	Tubing
Lower Completion	DAKOTA	Gas	Flow	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	06/11/1999	144 Hours	239	
Lower Completion	06/11/1999	96 Hours	483	

FLOW TEST NO. 1

Commenced at (hour,date)* 06/15/1999 Zone producing (Upper or Lower) LOWER

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP	REMARKS
6/16/199	120 Hours	241	399		LOWER ON
6/17/199	144 Hours	244	199		HI LINE PRES.

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)

REESE MESA 1 (MV)

AI Number: 6599601 **Meter Number:** 86636

Sample Date: 19970801

Hydrocarbon Fractions	Impurities	
Mol % C1: 95.48	Mol % H2: 0	Test Pressure: 14.73
Mol % C2: 1.3	Mol % He: 0	Test Temperature: 60
Mol % C3: 0.19	Mol % N2: 0.09	Wet BTU Factor (BTU/CF at 14.73): 982.614
Mol % iC4: 0.04	Mol % O2: 0	Dry BTU Factor (BTU/CF at 14.73): 1000
Mol % nC4: 0.03	Mol % H2S: 0	Measured Specific Gravity: 0
Mol % iC5: 0.01	Mol % CO2: 2.83	Calculated Specific Gravity: 0.592
Mol % nC5: 0.01		
Mol % C6: 0		
Mol % C6+: 0.02		
Mol % C7: 0		

Sample Date: 19960801

Hydrocarbon Fractions	Impurities	
Mol % C1: 94.99	Mol % H2: 0	Test Pressure: 14.73
Mol % C2: 1.67	Mol % He: 0	Test Temperature: 60
Mol % C3: 0.26	Mol % N2: 0.32	Wet BTU Factor (BTU/CF at 14.73): 987.527
Mol % iC4: 0.05	Mol % O2: 0	Dry BTU Factor (BTU/CF at 14.73): 1005
Mol % nC4: 0.04	Mol % H2S: 0	Measured Specific Gravity: 0
Mol % iC5: 0.01	Mol % CO2: 2.64	Calculated Specific Gravity: 0.595
Mol % nC5: 0		
Mol % C6: 0		
Mol % C6+: 0.02		
Mol % C7: 0		

REESE MESA 1 (DK)

AI Number: 6599602 **Meter Number:** 86637

Sample Date: 19970801

Hydrocarbon Fractions	Impurities	
Mol % C1: 95.54	Mol % H2: 0	Test Pressure: 14.73
Mol % C2: 1.25	Mol % He: 0	Test Temperature: 60
Mol % C3: 0.18	Mol % N2: 0.14	Wet BTU Factor (BTU/CF at 14.73): 981.631
Mol % iC4: 0.04	Mol % O2: 0	Dry BTU Factor (BTU/CF at 14.73): 999
Mol % nC4: 0.02	Mol % H2S: 0	Measured Specific Gravity: 0
Mol % iC5: 0	Mol % CO2: 2.81	Calculated Specific Gravity: 0.592
Mol % nC5: 0.01		
Mol % C6: 0		
Mol % C6+: 0.01		
Mol % C7: 0		

Sample Date: 19960801

Hydrocarbon Fractions	Impurities	
Mol % C1: 95.09	Mol % H2: 0	Test Pressure: 14.73
Mol % C2: 0.98	Mol % He: 0	Test Temperature: 60
Mol % C3: 0.15	Mol % N2: 0.14	Wet BTU Factor (BTU/CF at 14.73): 970.822
Mol % iC4: 0.04	Mol % O2: 0	Dry BTU Factor (BTU/CF at 14.73): 988
Mol % nC4: 0.03	Mol % H2S: 0	Measured Specific Gravity: 0
Mol % iC5: 0	Mol % CO2: 3.57	Calculated Specific Gravity: 0.597
Mol % nC5: 0		
Mol % C6: 0		
Mol % C6+: 0		
Mol % C7: 0		

REESE MESA 1

Sec. 12, T32N R08W
San Juan County, New Mexico

Production Allocation Based On Cumulative Production From 11/1/99 - 11/30/99

	Cumulative Production		% Allocation	
	MCF	Bbl Oil	% Gas	% Oil
Dakota	81	0	34.3%	0.0%
Mesaverde	155	0	65.7%	0.0%
Total	236	0	100.0%	0.0%

Gas Allocation:

Dakota (Total Dakota Production) / (Total Combined Production) = 81 MCF / 236 MCF = **34.32%**

Mesaverde (Total Mesaverde Production) / (Total Combined Production) = 155 MCF / 236 MCF = **65.68%**

Oil Allocation:

Dakota (Total Dakota Production) / (Total Combined Production) = 0 Bbl Oil / 0 Bbl Oil = **0.00%**

Mesaverde (Total Mesaverde Production) / (Total Combined Production) = 0 Bbl Oil / 0 Bbl Oil = **0.00%**

MV 155 mcfpd

12/20/1999

Pressure Base 14.73

BURLINGTON RESOURCES OIL & GAS COMPANY
DAILY HISTORY REPORT - ESTIMATED PRODUCTION VOLUMES BY WELL
FOR MONTH ENDING: 1999-11-30

6599601 REESE MESA 1

Date	Gas Sales	Net Gas	Est. Oil	Net Oil	Est. Water
11/01/99	210.000	45.938	0.000	0.000	0.000
11/02/99	161.000	35.219	0.000	0.000	0.000
11/03/99	97.000	21.219	0.000	0.000	0.000
11/04/99	113.000	24.719	0.000	0.000	0.000
11/05/99	129.000	28.219	0.000	0.000	0.000
11/06/99	226.000	49.438	0.000	0.000	0.000
11/07/99	203.000	44.406	0.000	0.000	0.000
11/08/99	97.000	21.219	0.000	0.000	0.000
11/09/99	184.000	40.250	0.000	0.000	0.000
11/10/99	145.000	31.719	0.000	0.000	0.000
11/11/99	129.000	28.219	0.000	0.000	0.000
11/12/99	220.000	48.125	0.000	0.000	0.000
11/13/99	177.000	38.719	0.000	0.000	0.000
11/14/99	161.000	35.219	0.000	0.000	0.000
11/15/99	220.000	48.125	0.000	0.000	0.000
11/16/99	129.000	28.219	0.000	0.000	0.000
11/17/99	177.000	38.719	0.000	0.000	0.000
11/18/99	97.000	21.219	0.000	0.000	0.000
11/19/99	187.000	40.906	0.000	0.000	0.000
11/20/99	177.000	38.719	0.000	0.000	0.000
11/21/99	129.000	28.219	0.000	0.000	0.000
11/22/99	203.000	44.406	0.000	0.000	0.000
11/23/99	129.000	28.219	0.000	0.000	0.000
11/24/99	194.000	42.438	0.000	0.000	0.000
11/25/99	177.000	38.719	0.000	0.000	0.000
11/26/99	69.000	15.094	0.000	0.000	0.000
11/27/99	129.000	28.219	0.000	0.000	0.000
11/28/99	104.000	22.750	0.000	0.000	0.000
11/29/99	129.000	28.219	0.000	0.000	0.000
11/30/99	138.000	30.188	0.000	0.000	0.000
Asset Identifier 6599601	4640.000	1015.006	0.000	0.000	0.000

DK avg 81 mcf/d

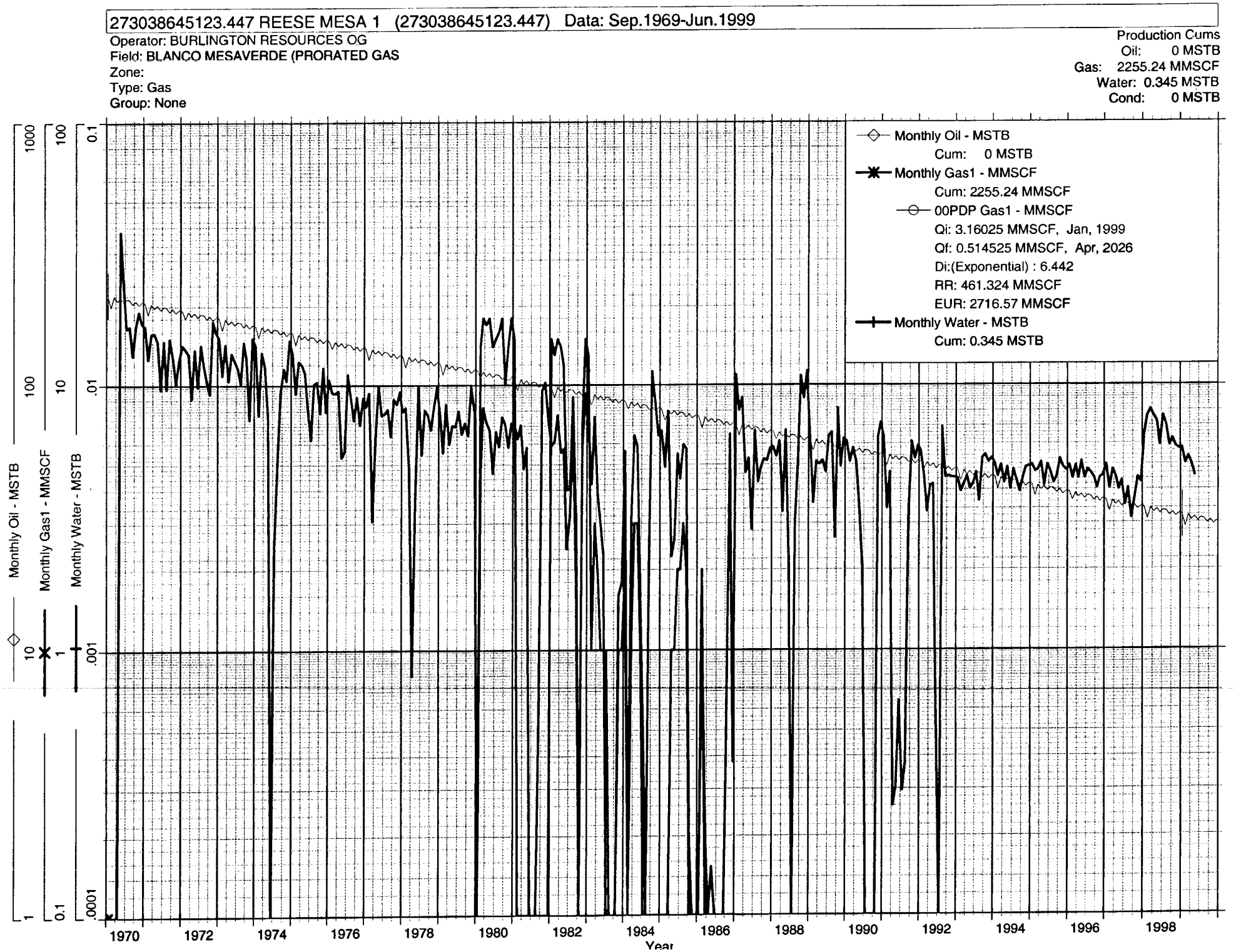
12/20/1999

BURLINGTON RESOURCES OIL & GAS COMPANY
DAILY HISTORY REPORT - ESTIMATED PRODUCTION VOLUMES BY WELL
FOR MONTH ENDING: 1999-11-30

Pressure Base 14.73

6599602 REESE MESA 1

Date	Gas Sales	Net Gas	Est. Oil	Net Oil	Est. Water
11/01/99	69.000	15.094	0.000	0.000	0.000
11/02/99	33.000	7.219	0.000	0.000	0.000
11/03/99	71.000	15.531	0.000	0.000	0.000
11/04/99	119.000	26.031	0.000	0.000	0.000
11/05/99	105.000	22.969	0.000	0.000	0.000
11/06/99	85.000	18.594	0.000	0.000	0.000
11/07/99	71.000	15.531	0.000	0.000	0.000
11/08/99	51.000	11.156	0.000	0.000	0.000
11/09/99	28.000	6.125	0.000	0.000	0.000
11/10/99	14.000	3.063	0.000	0.000	0.000
11/11/99	71.000	15.531	0.000	0.000	0.000
11/12/99	128.000	28.000	0.000	0.000	0.000
11/13/99	114.000	24.938	0.000	0.000	0.000
11/14/99	102.000	22.313	0.000	0.000	0.000
11/15/99	85.000	18.594	0.000	0.000	0.000
11/16/99	57.000	12.469	0.000	0.000	0.000
11/17/99	0.000	0.000	0.000	0.000	0.000
11/18/99	85.000	18.594	0.000	0.000	0.000
11/19/99	85.000	18.594	0.000	0.000	0.000
11/20/99	85.000	18.594	0.000	0.000	0.000
11/21/99	156.000	34.125	0.000	0.000	0.000
11/22/99	142.000	31.063	0.000	0.000	0.000
11/23/99	57.000	12.469	0.000	0.000	0.000
11/24/99	114.000	24.938	0.000	0.000	0.000
11/25/99	105.000	22.969	0.000	0.000	0.000
11/26/99	91.000	19.906	0.000	0.000	0.000
11/27/99	83.000	18.156	0.000	0.000	0.000
11/28/99	66.000	14.438	0.000	0.000	0.000
11/29/99	57.000	12.469	0.000	0.000	0.000
11/30/99	31.000	6.781	0.000	0.000	0.000
Asset Identifier 6599602	2360.000	516.254	0.000	0.000	0.000


273038645123.447 REESE MESA 1 (273038645123.447) Data: Sep.1969-Jun.1999
Operator: BURLINGTON RESOURCES OG
Field: BLANCO MESAVERDE (PRORATED GAS
Zone:
Type: Gas
Group: None
Production Cums
Oil: 0 MSTB
Gas: 2255.24 MMSCF
Water: 0.345 MSTB
Cond: 0 MSTB
Monthly Oil - MSTB
Cum: 0 MSTB
Monthly Gas1 - MMSCF
Cum: 2255.24 MMSCF
00PDP Gas1 - MMSCF
Qi: 3.16025 MMSCF, Jan, 1999
Qf: 0.514525 MMSCF, Apr, 2026
Di:(Exponential) : 6.442
RR: 461.324 MMSCF
EUR: 2716.57 MMSCF
Monthly Water - MSTB
Cum: 0.345 MSTB
Monthly Oil - MSTB
Monthly Gas1 - MMSCF
Monthly Water - MSTB
1000
100
10
1
0.1
100
10
1
0.1
.01
.001
.0001
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
Year

256809597267.288 REESE MESA 1 (256809597267.288) Data: Sep.1969-Jun.1999

Operator: BURLINGTON RESOURCES OG
Field: BASIN DAKOTA (PRORATED GAS)
Zone:
Type: Gas
Group: None

Production Cums
Oil: 0 MSTB
Gas: 1394.67 MMSCF
Water: 0.379 MSTB
Cond: 0 MSTB