

1/25/01	2/14/01	ENGINEER	DC	LOGGED IN	KV	TYPE	DHC	APP NO.	103649539
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ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



2878

## 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

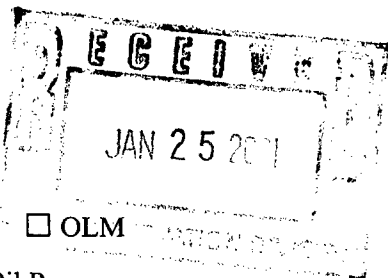
Check One Only for [B] or [C]

[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

1-24-01

pbradfield@br-inc.com  
 e-mail Address

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 Operator P.O. BOX 4289, FARMINGTON NM 87499 Address

TRAIL CANYON Lease 2 Well No. H SEC 18, T32N-R08W Unit Letter-Section-Township-Range SAN JUAN County

OGRID No. 14538 Property Code 18631 API No. 30-045-24590 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BLANCO MESAVERDE		TRAIL CANYON GALLUP
Pool Code	72319		86410
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5697-6135'		7559-7597' OPEN-HOLE
Method of Production (Flowing or Artificial Lift)	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: 124 PSIA @ 5916' ORIGINAL: 1141 PSIA @ 5916'		CURRENT: 477 PSIA @ 7968' ORIGINAL: 2321 PSIA @ 7968'
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1002 BTU		1000 BTU
Producing, Shut-In or New Zone	PRODUCING		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: 40 MCF/D, 0 BOPD, 0 BWPD	Date:  Rates:	Date: 12/84  Rates: : 29 MCF/D, 0 BOPD, 0 BWPD
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  % %	Oil Gas  % %	Oil Gas  % %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? 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 OPERATIONS ENGINEER DATE 1/24/01

nco

TYPE OR PRINT NAME KEVIN BOOK 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 30-045-24590		2 Pool Code 72319/86410		3 Pool Name Blanco Mesaverde/Trail Canyon Gallup	
4 Property Code 18631		5 Property Name Trail Canyon			6 Well Number 2
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6720' 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	18	32N	8W		1560'	North	830'	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 - 160 MV-N/271.65	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

<div>16</div> <div>Original plat from Fred B. Kerr, Jr. 8-29-80</div>				<div>1560'</div> <div>830'</div>	<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div>Signature Peggy Cole</div> <div>Printed Name Regulatory Supervisor</div> <div>Title</div> <div>Date</div>	
					<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div> <div>Certificate Number</div>	

**Trail Canyon #2**  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
Version 1.0 3/13/94

<b>Mesaverde</b>		<b>Gallup</b>	
<u><b>MV-Current</b></u>		<u><b>GL-Current</b></u>	
GAS GRAVITY	0.589	GAS GRAVITY	0.583
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.07	%N2	0.17
%CO2	2.5	%CO2	2.4
%H2S	0	%H2S	0
DIAMETER (IN)	6.969	DIAMETER (IN)	4.95
DEPTH (FT)	5916	DEPTH (FT)	7968
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	162	BOTTOMHOLE TEMPERATURE (DEG F)	195
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	110	SURFACE PRESSURE (PSIA)	408
BOTTOMHOLE PRESSURE (PSIA)	123.6	BOTTOMHOLE PRESSURE (PSIA)	476.7
<u><b>MV-Original</b></u>		<u><b>GL-Original</b></u>	
GAS GRAVITY	0.589	GAS GRAVITY	0.583
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.07	%N2	0.17
%CO2	2.5	%CO2	2.4
%H2S	0	%H2S	0
DIAMETER (IN)	6.969	DIAMETER (IN)	4.95
DEPTH (FT)	5916	DEPTH (FT)	7968
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	162	BOTTOMHOLE TEMPERATURE (DEG F)	195
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1004	SURFACE PRESSURE (PSIA)	1952
BOTTOMHOLE PRESSURE (PSIA)	1141.3	BOTTOMHOLE PRESSURE (PSIA)	2320.9



# TRAIL CANYON 2 151001 (277812803417.64) Data: Jan.1982-Dec.2000

Operator: Unknown

Field:

Zone:

Type: Gas

Group: None

No

Active

Forecast

MESAVERDE

Production Cums

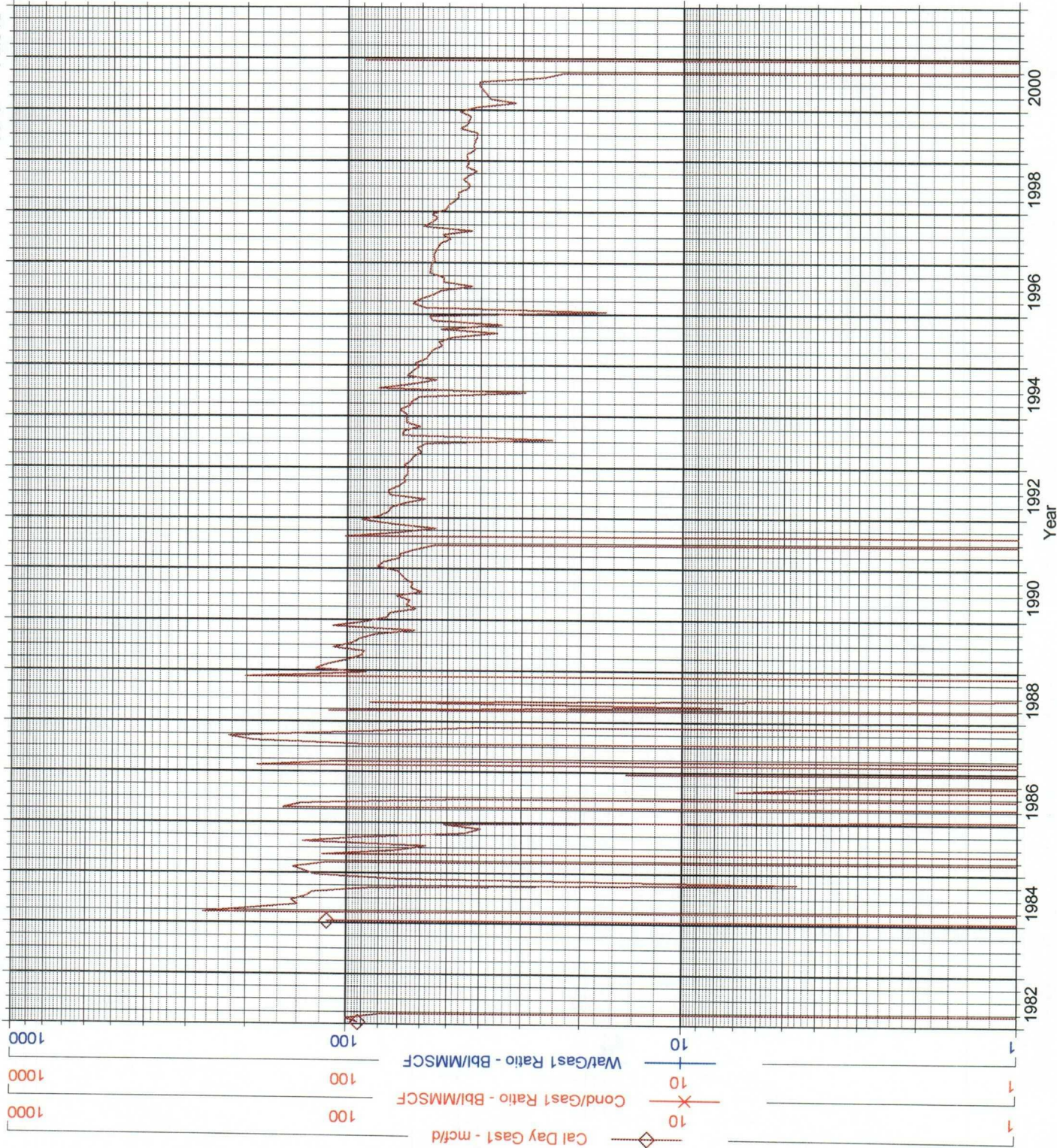
Oil: 0 MSTB

Gas: 394.032 MMSCF

Water: 0 MSTB

Cond: 0 MSTB

Cal Day Gas1 - mcf/d  
Cum: 394.032 MMSCF  
Cond/Gas1 Ratio - Bbl/MMSCF  
Cum: 0 MSTB  
Wat/Gas1 Ratio - Bbl/MMSCF  
Cum: 0 MSTB





# SUSCO 16 STATE 1 1526102 (SUSCO 16 STATE 1) Data: Jan. 1983-Dec. 2000

Operator: Unknown

Field:

Zone:

Type: Gas

Group: None

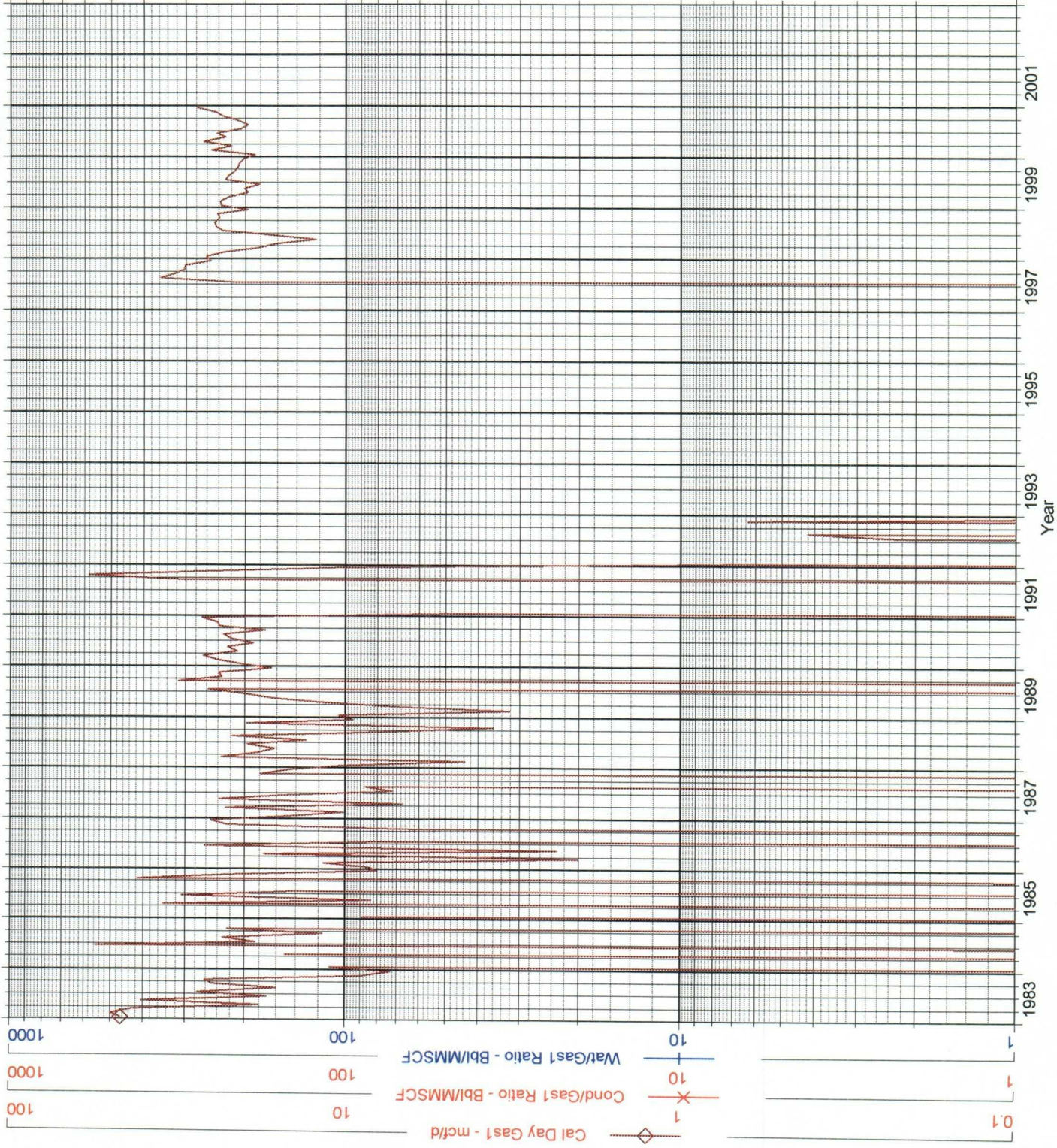
No  
Active  
Forecast

Production Cums  
Oil: 0 MSTB  
Gas: 80.5368 MMSCF  
Water: 0 MSTB  
Cond: 0 MSTB

Group

Cal Day Gas1 - mcf/d  
Cum: 80.5368 MMSCF  
Cond/Gas1 Ratio - Bbl/MMSCF  
Cum: 0 MSTB  
Wat/Gas1 Ratio - Bbl/MMSCF  
Cum: 0 MSTB

Offset well  
USED for CALC



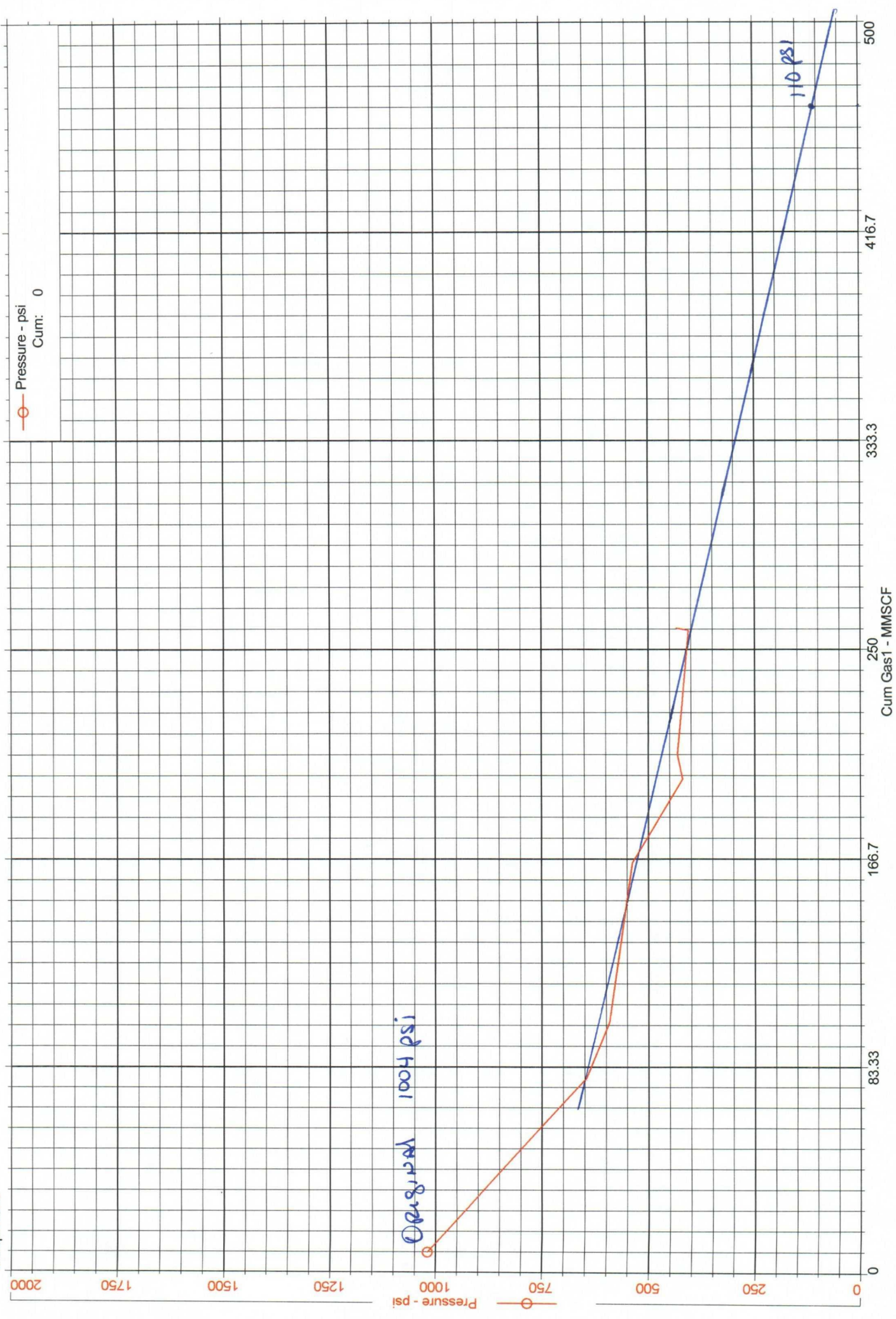


Mesa Verde

Production Cums  
Oil: 0 MSTB  
Gas: 391.282 MMSCF  
Water: 0 MSTB  
Cond: 0 MSTB

No  
Active  
Forecast

Operator: Unknown  
Field:  
Zone:  
Type: Gas  
Group: None



# Gas Meter Vol. History (Act.)

Saturday, January 01, 2000 Through Monday, December 11, 2000

Select By : Gas Meters

Pressure Base : None

Page No : 1

Sort By : None selected in Report Options.

Units : A.P.I.

Report Number : R\_040

Sort By : None selected in Report Options.

Rounded (y/n) : No

Print Date : 12/11/2000, 10:17:00 AM

Meter	Volume Date	Ticket #	Volume	Heat Value	Period		Disp.	Prod.	Purchaser	Gatherer
					Start	End				
TRAIL CANYON 2 94850	1/1/2000	7400003477	1,283.00	1,287.00	1/1/2000	1/31/2000	20	100		EL PASO FIELD SERVICES CO
	2/1/2000	7600003698	900.00	903.00	2/1/2000	2/29/2000	20	100		EL PASO FIELD SERVICES CO
	3/1/2000	3100003503	1,154.00	1,157.00	3/1/2000	3/31/2000	20	100		EL PASO FIELD SERVICES CO
	4/1/2000	2300002034	1,145.00	1,148.00	4/1/2000	4/30/2000	20	100		EL PASO FIELD SERVICES CO
	5/1/2000	1100003043	1,217.00	1,221.00	5/1/2000	5/31/2000	20	100		EL PASO FIELD SERVICES CO
	6/1/2000	3500001083	1,210.00	1,214.00	6/1/2000	6/30/2000	20	100		EL PASO FIELD SERVICES CO
	7/1/2000	8100002038	1,251.00	1,255.00	7/1/2000	7/31/2000	20	100		EL PASO FIELD SERVICES CO
	8/1/2000	9200000386	798.00	800.00	8/1/2000	8/31/2000	20	100		EL PASO FIELD SERVICES CO
	9/1/2000	2500002585	684.00	686.00	9/1/2000	9/30/2000	20	100		EL PASO FIELD SERVICES CO
	10/1/2000	999999	0.00	0.00	10/1/2000	10/31/2000	20	100	UNKNOWN	EL PASO FIELD SERVICES CO
Totals -- TRAIL CANYON 2 94850			9,642.00	9,671.00						
Report Totals			9,642.00	9,671.00						

BT4  
1.003



TRAIL CANYON 2 151001 (277812803417.64) Data: Jan.1982-Dec.2000

Operator: Unknown  
Field:  
Zone:  
Type: Gas  
Group: None

No  
Active  
Forecast

Production Cums  
Oil: 0 MSTB  
Gas: 394.032 MMSCF  
Water: 0 MSTB  
Cond: 0 MSTB

○ P/Z - psi  
Cum: 0

