

DATE 3/25/03	SUSPENSE NA	ENGINEER WVJ	LOGGED IN WV	TYPE DHC	APPROVAL PKRVO308627743
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AMEND

#821

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST 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

[D] Other: Specify _____

RECEIVED

MAR 25 2003

Oil Conservation Division

[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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

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

PEGGY COLE
 Print or Type Name

Peggy Cole
 Signature

REGULATORY Supr. 3-24-03
 Title Date

peole@br-inc.com
 e-mail Address

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

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

APPLICATION FOR DOWNHOLE COMMINGLING

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

Operator Jicarilla 150 #10M Address I-12-26N-5W Rio Arriba

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

OGRID No. 14538 Property Code 16344 API No. 30-039-21779 Lease Type: X Federal State Fee

Table with 4 columns: DATA ELEMENT, UPPER ZONE, INTERMEDIATE ZONE, LOWER ZONE. Rows include Pool Name, Pool Code, Top and Bottom of Pay Section, Method of Production, Bottomhole Pressure, Oil Gravity or Gas BTU, Producing, Shut-In or New Zone, Date and Oil/Gas/Water Rates of Last Production, and Fixed Allocation Percentage.

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.
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
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 [Signature] TITLE SR. RESERVOIR ENGINEER DATE 3/24/03
TYPE OR PRINT NAME L. Tom Loveland TELEPHONE NO. (505) 326-9700

District I
 1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
 Energy, Minerals and Natural Resources

Form C-102

Oil Conservation Division
 1220 S. St Francis Dr.
 Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21779	Pool Name OTERO CHACRA (GAS)	Pool Code 82329
Property Code 16344	Property Name JICARILLA 150	Well No. 010M
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 7182

Surface And Bottom Hole Location

UL or Lot I	Section 12	Township 26N	Range 05W	Lot Idn	Feet From 1600	N/S Line S	Feet From 790	E/W Line E	County Rio Arriba
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

OPERATOR CERTIFICATION

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

Electronically Signed By: *Joselyne Case*

Title:

Date: *1-14-03*

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.

Electronically Signed By: James Leese

Date of Survey: 4/21/1978

Certificate Number: 1463

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State of New Mexico
 Energy, Minerals and Natural Resources

Form C-102

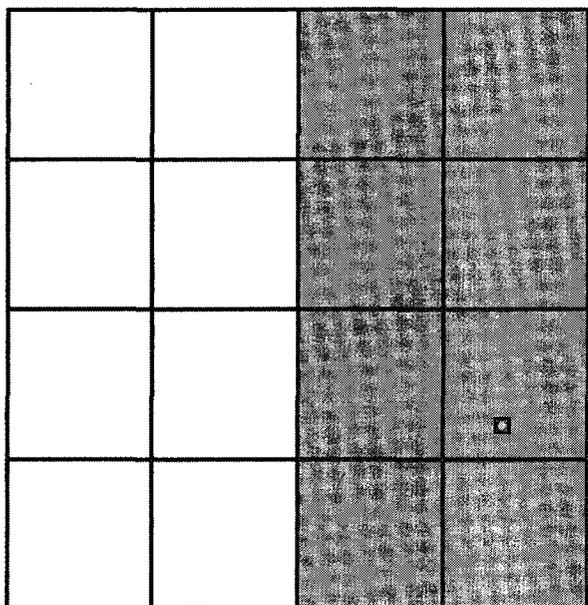
Oil Conservation Division
 1220 S. St Francis Dr.
 Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21779	Pool Name BLANCO-MESAVERDE (PRORATED GAS)	Pool Code 72319
Property Code 16344	Property Name JICARILLA 150	Well No. 010M
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 7182

Surface And Bottom Hole Location

UL or Lot I	Section 12	Township 26N	Range 05W	Lot Idn	Feet From 1600	N/S Line S	Feet From 790	E/W Line E	County Rio Arriba
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						



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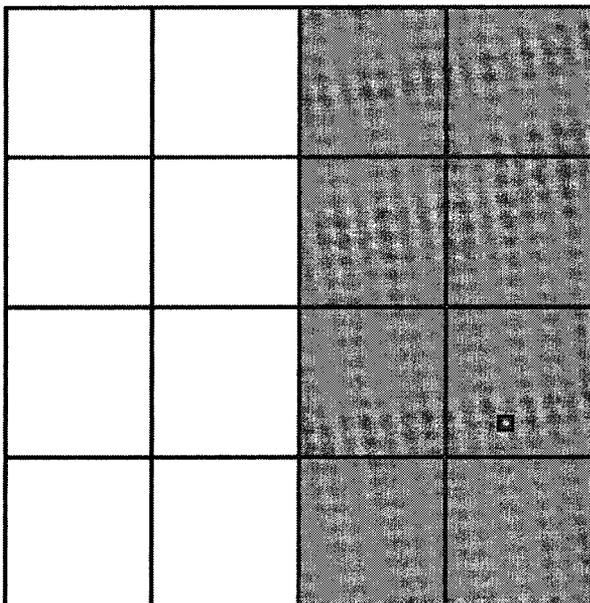
Oil Conservation Division
 1220 S. St Francis Dr.
 Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21779	Pool Name BASIN DAKOTA (PRORATED GAS)	Pool Code 71599
Property Code 16344	Property Name JICARILLA 150	Well No. 010M
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 7182

Surface And Bottom Hole Location

UL or Lot I	Section 12	Township 26N	Range 05W	Lot Idn	Feet From 1600	N/S Line S	Feet From 790	E/W Line E	County Rio Arriba
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						



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 Date of Survey: 4/21/1978
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Jicarilla 150 #10M
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

Chacra	Mesaverde																																																
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Jicarilla 150 #10M - SICP/Z Data

Zone: Mesaverde

Date	SICP (psig)	Chromatograph Used	Z-Factor	SICP/Z (psig)	Cum Qg (MMCF)	Slope	Y Intercept
1/2/1979	906	10/1/2002	0.923	982	0	N/A	982
1/1/1980	730	10/1/2002	0.9302	785	87.786	-2.241865	982
9/25/1981	698	10/1/2002	0.9329	748	175.116	-1.332701	982
8/25/1982	676	10/1/2002	0.9348	723	221.375	-1.167397	982
5/2/1984	529	10/1/2002	0.948	558	305.47	-1.386601	982
3/12/1986	577	10/1/2002	0.9436	611	362.635	-1.020569	982
11/1/1989	612	10/1/2002	0.9405	651	401.734	-0.82359	982
2/12/1991	585	10/1/2002	0.9429	620	410.997	-0.87873	982
4/1/1993	572	10/2/2002	0.9441	606	440.149	-0.853606	982
???	41	N/A	1	41	1057.447	-0.889484	982
12/31/2002	???	10/1/2002	???	346	714.498	-0.889484	982

Z-Factor = 0.96
SICP (psig) = 332

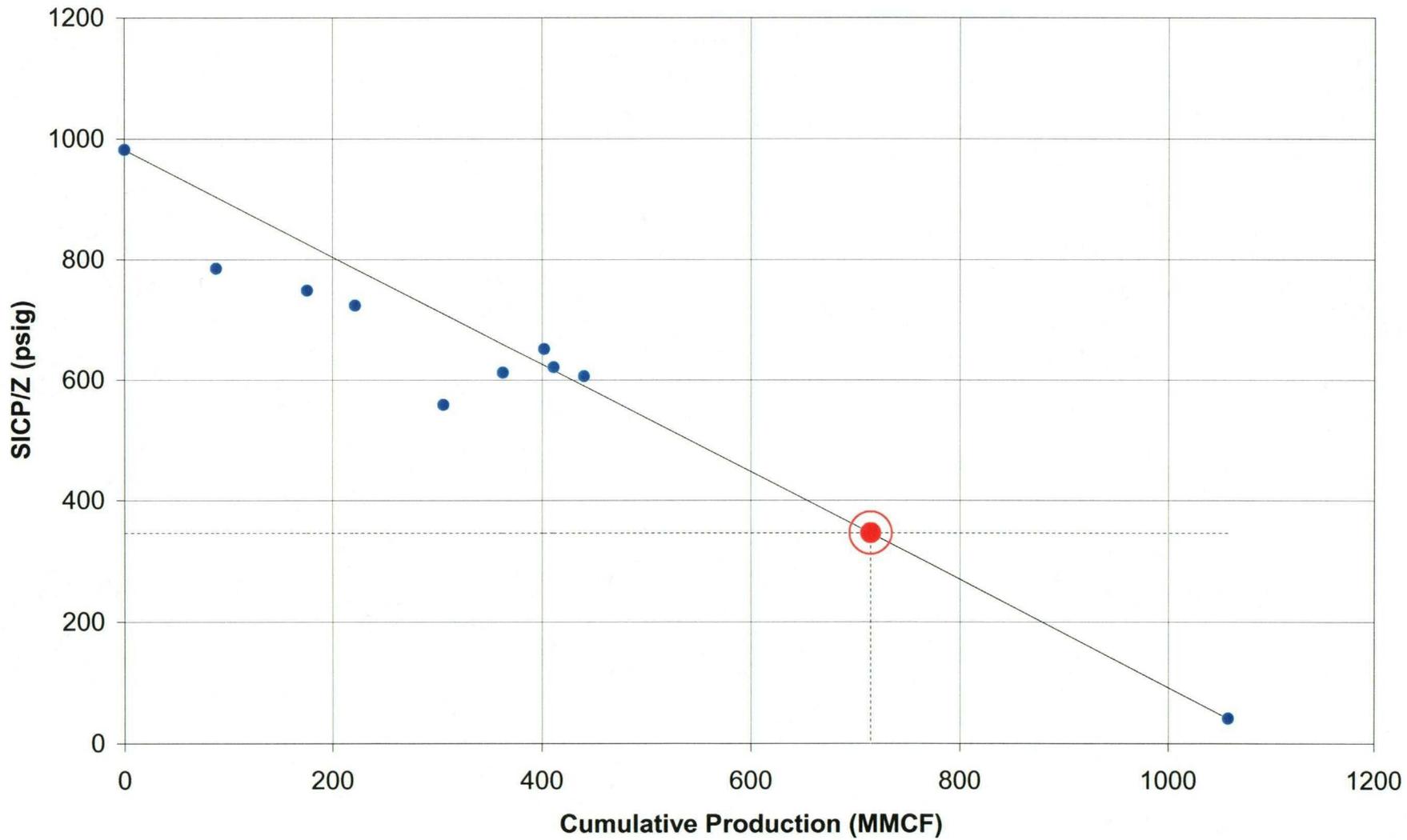
Zone: Dakota

Date	SICP (psig)	Chromatograph Used	Z-Factor	SICP/Z (psig)	Cum Qg (MMCF)	Slope	Y Intercept
1/23/1979	2357	10/1/2002	0.8608	2738	0	N/A	2738
9/16/1980	1179	10/1/2002	0.8957	1316	142.773	-9.958897	2738
9/25/1981	885	10/1/2002	0.9173	965	212.17	-8.358216	2738
4/8/1983	624	10/1/2002	0.9394	664	298.444	-6.949032	2738
7/3/1985	1089	10/2/2002	0.9019	1207	408.843	-3.743979	2738
4/20/1988	892	10/3/2002	0.9168	973	500.138	-3.529428	2738
8/8/1990	944	10/4/2002	0.9127	1034	560.324	-3.040842	2738
???	41	N/A	1	41	1514.48	-1.780909	2738
12/31/2002	???	10/1/2002	???	914	1024.19	-1.780909	2738

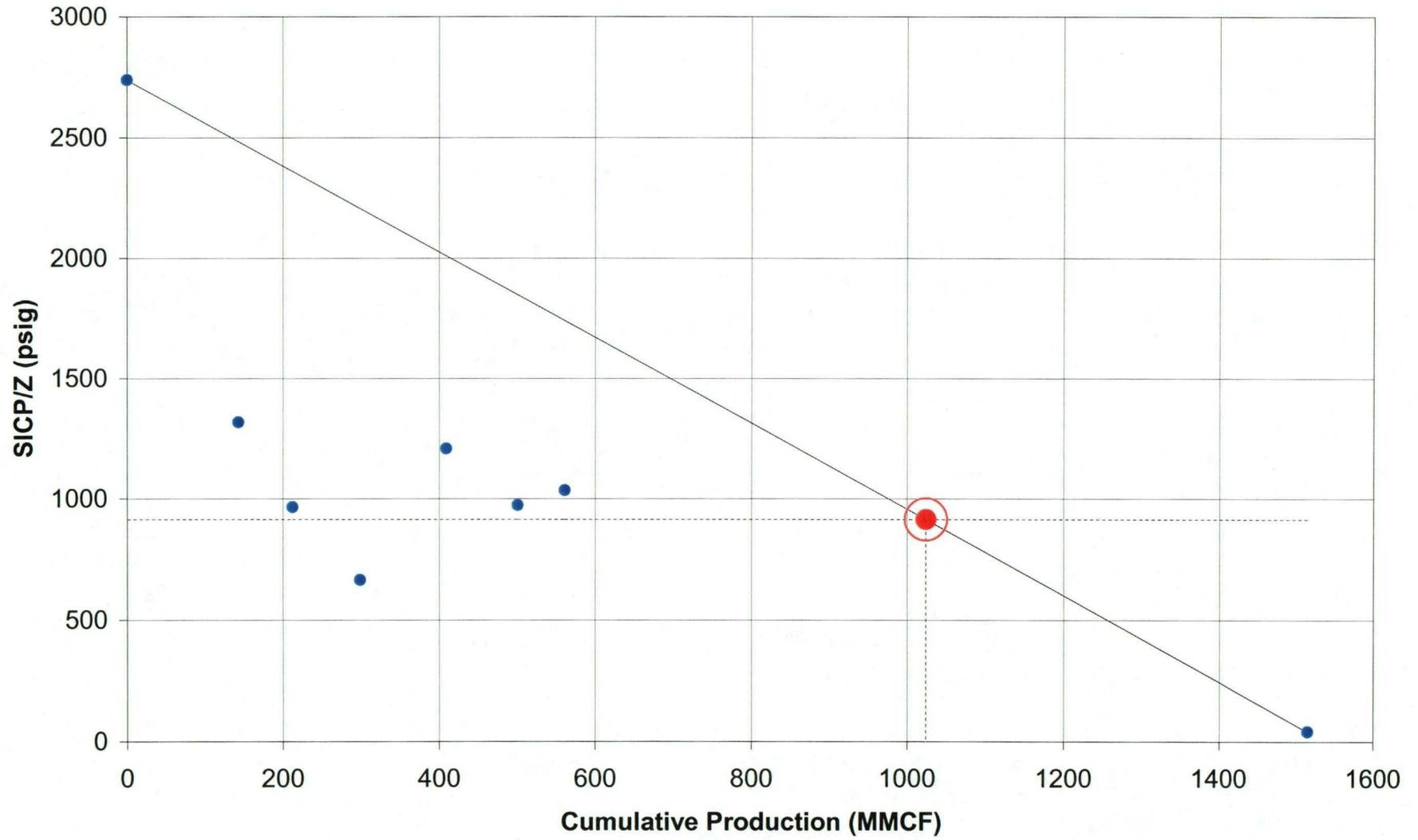
Z-Factor = 0.95
SICP (psig) = 868

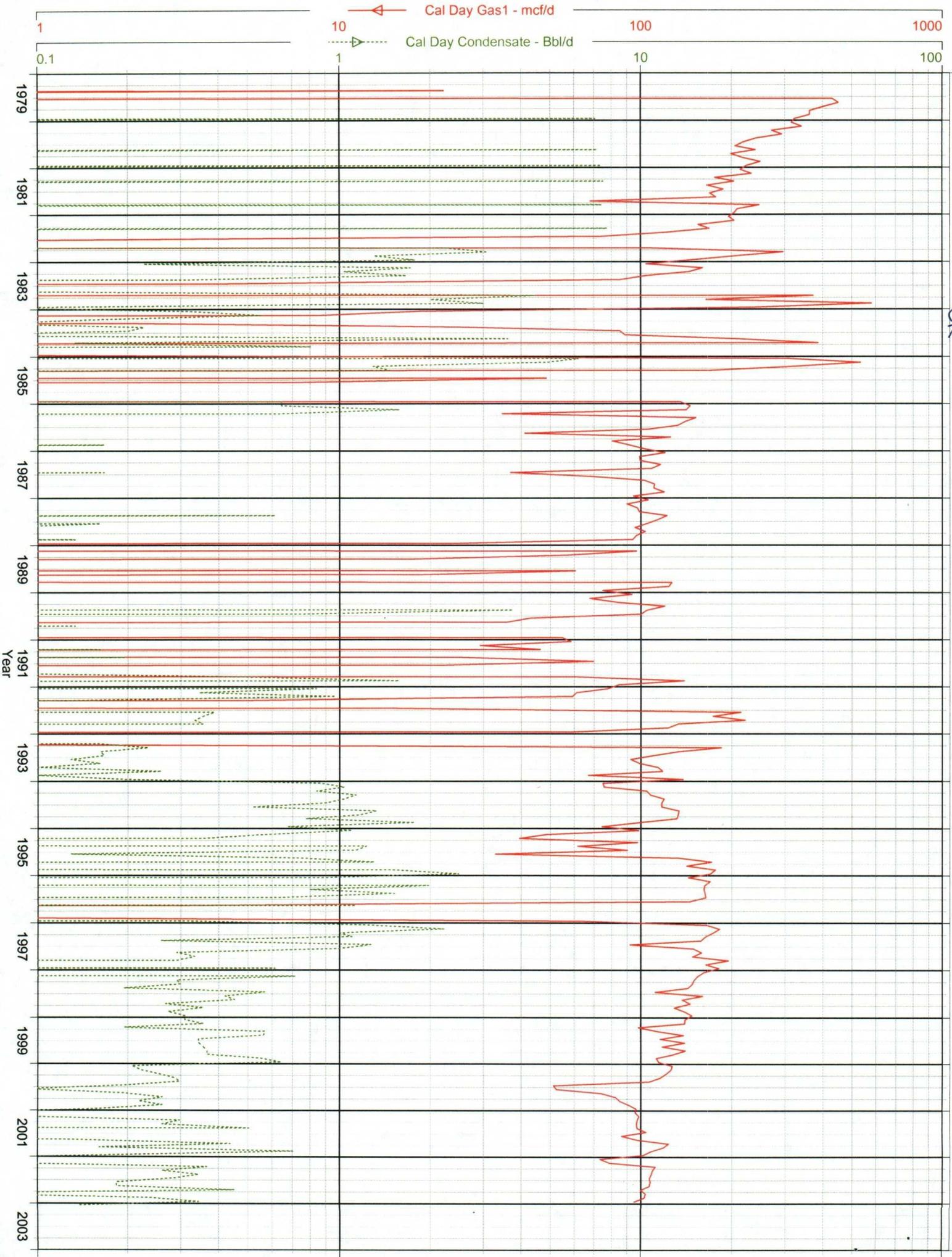
NOTE: THESE ARE ESTIMATES OF THE CURRENT RESERVOIR PRESSURE IN EACH ZONE. IT IS REALIZED THAT THE NEAR-WELLBORE PRESSURES FOR EACH ZONE SHOULD BE SIMILAR, DUE TO THEIR COMMINGLED STATUS.

Jicarilla 150 #10M (MV)

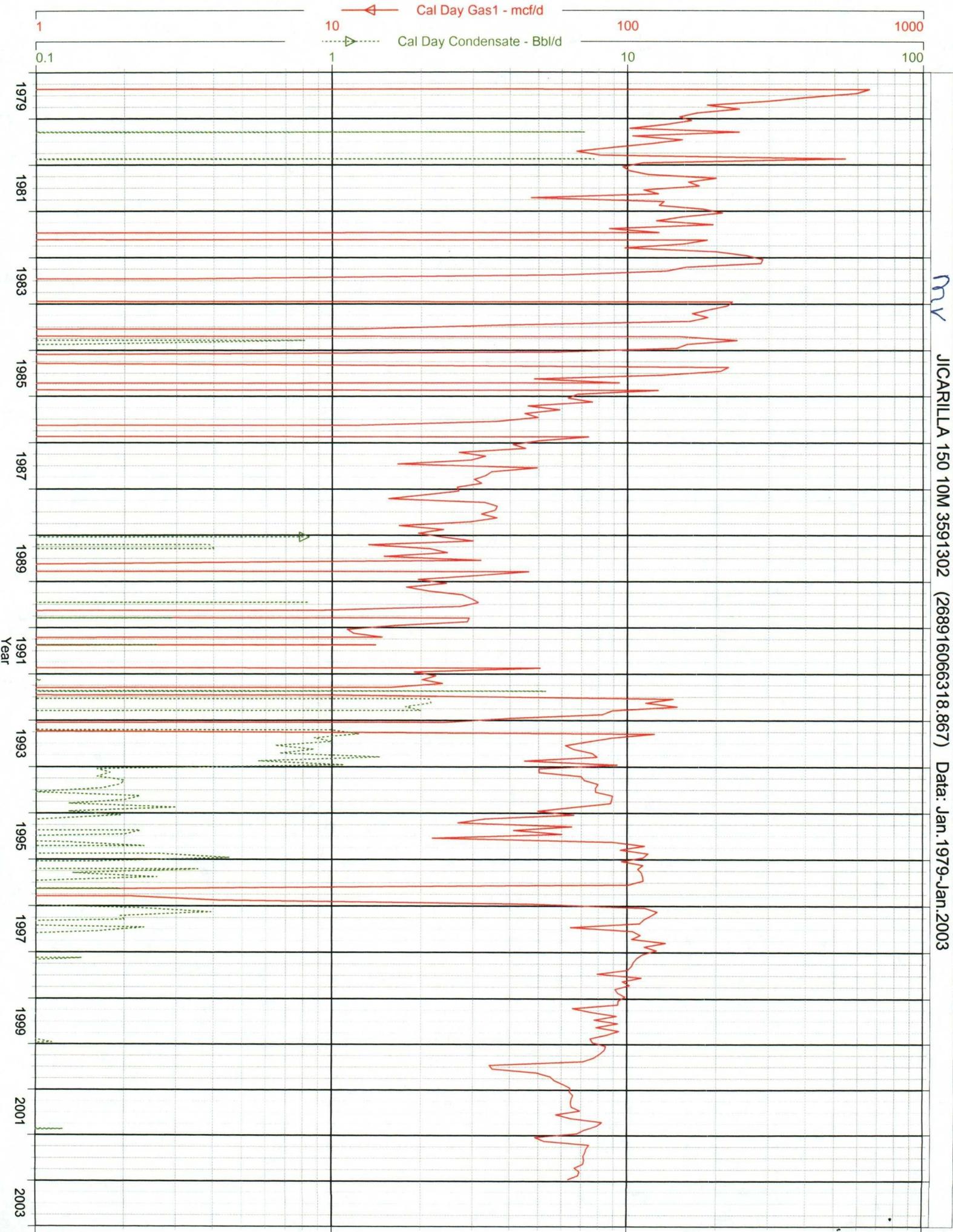


Jicarilla 150 #10M (DK)





JK JICARILLA 150 10M 3591301 (251400361977.151) Data: Jan. 1979-Jan. 2003



m.v. JICARILLA 150 10M 3591302 (268916066318.867) Data: Jan. 1979-Jan. 2003

TO: New Mexico Oil Conservation Division
FROM: Lewis Implementation Team, Burlington Resources
DATE: December 2, 2002
RE: 2003 Chacra Recompletion Program Expected Production

Chacra-only production from 73 wells completed after 1970 was normalized and forecasted to result in the production model presented in Table 1. A graphical representation of this normalized production forecast is shown in the attached Figure 1. These wells are located in or near the Chacra Fairway in T-27-N, R-08-W; T-27-N, R-09-W; T-28-N, R-08-W; T-28-N, R-09-W; T-28-N, R-10-W; T-28-N, R-11-W; T-29-N, R-09-W; T-29-N, R-10-W; and T-29-N, R-11-W. Actual results from the individual payadds will certainly vary, but this production model represents the average results that should be achieved. Further delineation in the area will be made in 2003.

Table 1: 2003 Chacra production model.

Decline Type	Hyp to Exp
Initial Incremental Rate (MCF/D)	260
Initial Decline (%/yr, effective)	62
Final Decline (%/yr, effective)	1.6
Final Incremental Rate (MCF/D)	15
Hyperbolic Exponent, n	2.0
EUR (MMCF)	496

Figure 1. Graphical representation of the 2003 Chacra production model.

