DATE IN 8/24/00	SUSPENSE 9/13/00	ENGINEER DC	LOGGED KV	TYPE DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

23827141

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

2817

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [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 - Directional Drilling

NSL NSP DD SD

AUG 24 2000

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

X 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] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X 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** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all 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, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole	Peggy Cole	Regulatory/Compliance Administrator	
Print or Type Name	Signature	Title	Date

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107A
Revised May 15, 2000

APPLICATION TYPE
_X_ Single Well
___ Establish Pre-Approved Pools
EXISTING WELLBORE
__X__ Yes ____ No

Burlington Resources Oil and Gas _____ **3401 East 30th Street, Farmington, New Mexico**
Operator — Address

Morris A _____ **13A** _____ **I – 15 – 30N – 11W** _____ **San Juan County, New Mexico**
Lease — Well No. — Unit Letter-Section-Township-Range — County

OGRID No. **14538** Property Code **7326** API No. **30-045-26586** Lease Type: _X_ Federal ____ State ____ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	**Wildcat Chacra**		**Blanco Mesaverde**
Pool Code			**72319**
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	**3096 – 3752'**		**4206 – 5002'**
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)	**643 psia (Original pressure in the Cooper #11)**		**234 psia (Estimated from offset pressure vs. cum prod)**
Oil Gravity or Gas BTU (Degree API or Gas BTU)	**1196 MMBTU/MMCF (Cooper #11)**		**1254 MMBTU/MMCF**
Producing, Shut-In or New Zone	**New Zone**		**Producing**
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: **No Prior Production** Rates: **75 MCF/D** **0 BCPD**	Date: Rates:	Date: **April 2000** Rates: **178.5 MCF/D** **0. 2 BCPD**
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 **Supplied Upon Completion**	Oil Gas % %	Oil Gas **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_____

Notified 8-1-00. No objections were received

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 Thomas Loveland TITLE **Production Engineer** DATE 7/31/00
nco
TYPE OR PRINT NAME **Lafell Thomas Loveland** 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	[2] Pool Code	[3] Pool Name
30-045-26586	72319/	Blanco Mesaverde/ WC:30N11W15 Chacra

[4] Property Code	[5] Property Name	[6] Well Number
7326	Morris A	13A

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	Burlington Resources Oil & Gas Company	5866

[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
I	15	30N	11W		1500	South	1190	East	San Juan

[11] Bottom Hole Location If Different From Surface

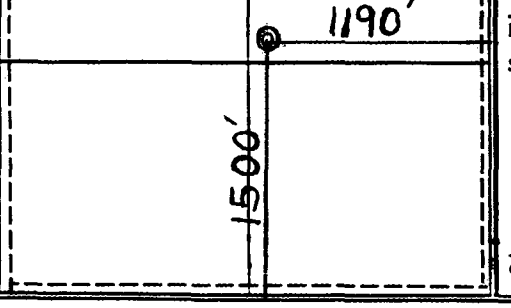
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
SE/160.03			

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. 9/27/85



[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

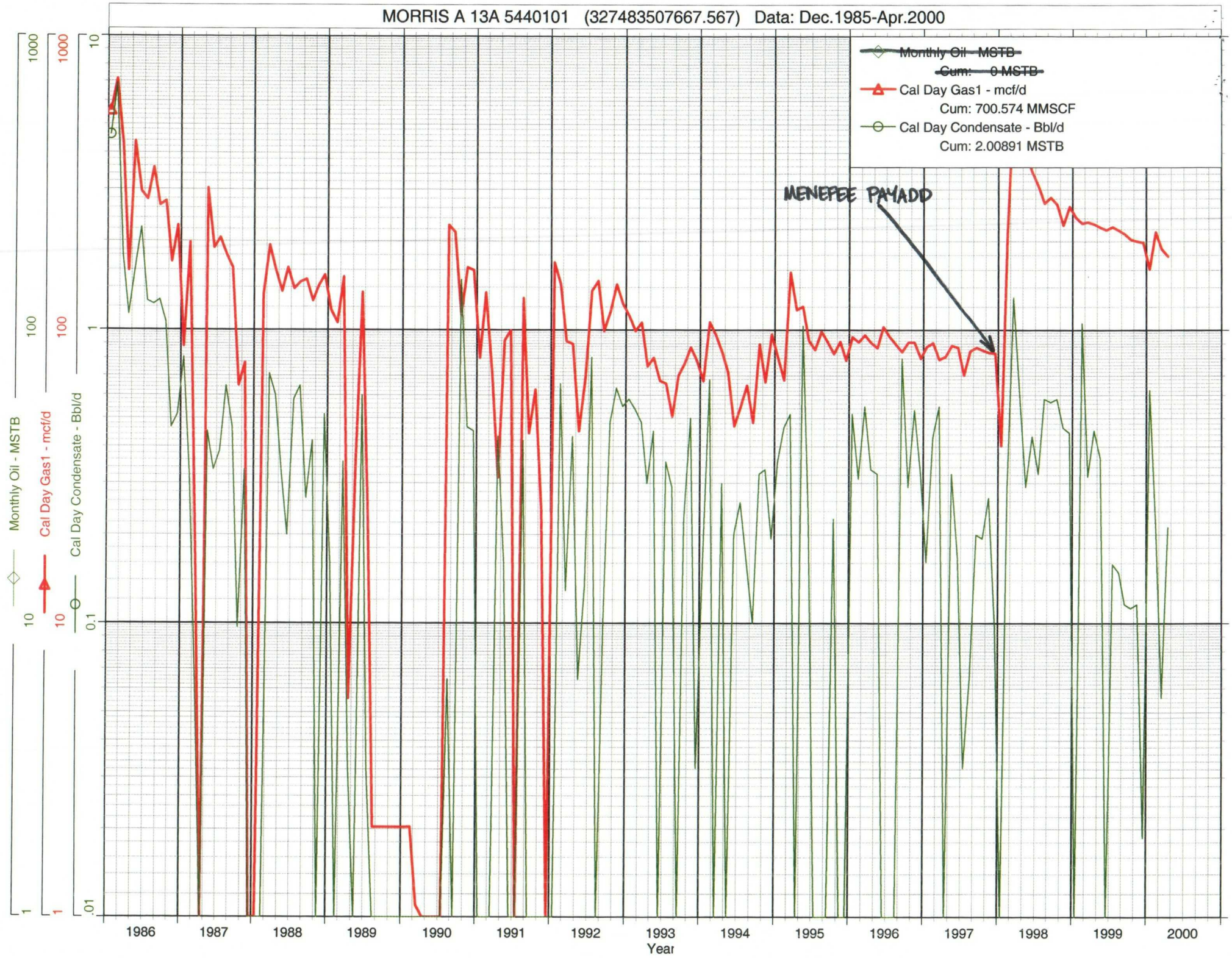
[18] SURVEYOR CERTIFICATION

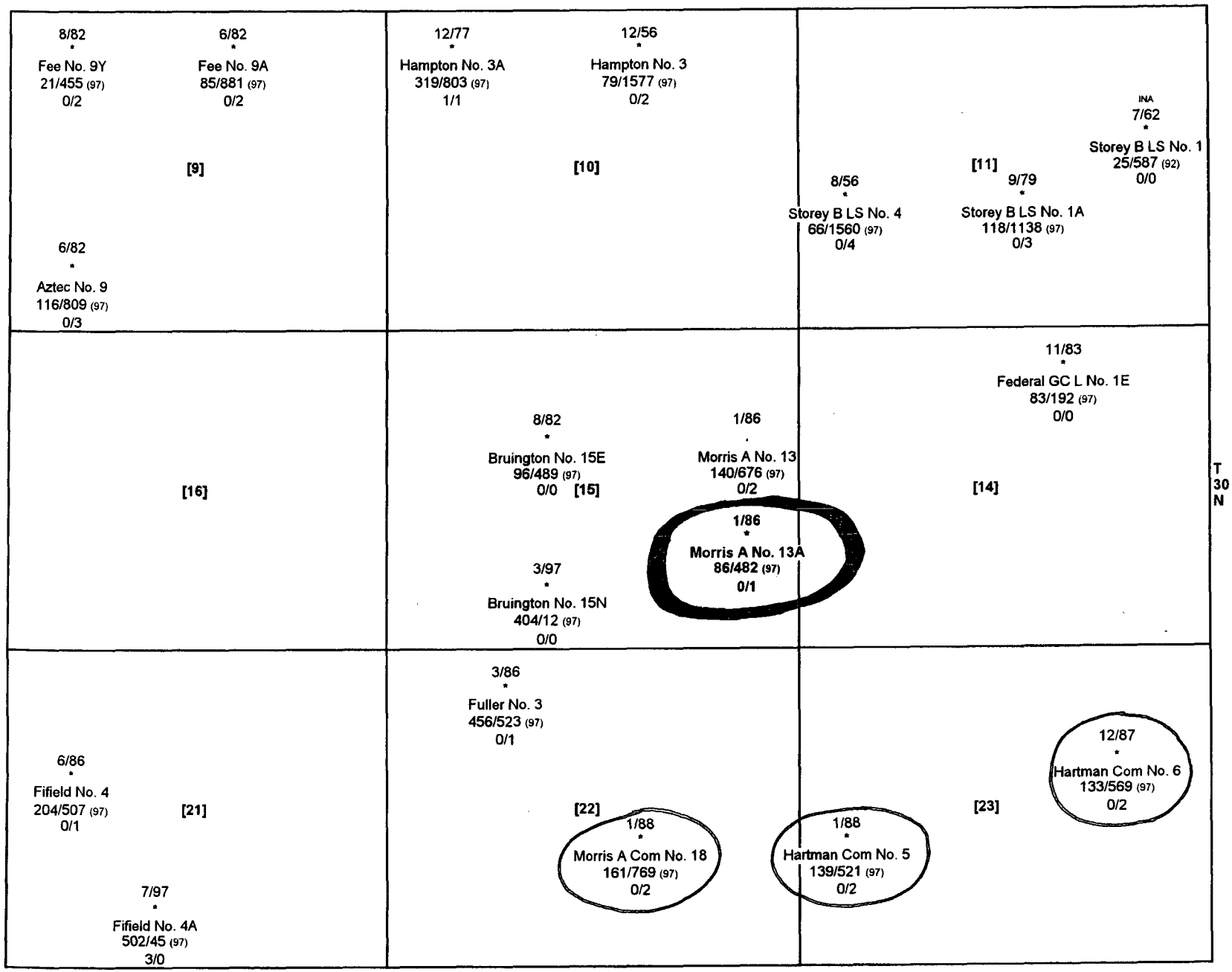
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number


MORRIS A 13A 5440101 (327483507667.567) Data: Dec.1985-Apr.2000
Monthly Oil - MSTB
Cum: 0 MSTB
Cal Day Gas1 - mcf/d
Cum: 700.574 MMSCF
Cal Day Condensate - Bbl/d
Cum: 2.00891 MSTB
MENEFEE PAYADD
Monthly Oil - MSTB
Cal Day Gas1 - mcf/d
Cal Day Condensate - Bbl/d
1000
100
10
1
10
1
100
10
1
.1
.01
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
Year



R-11-W

DATE: November 24, 1

NAME: MORRIS A NO. 13A

FORM: MESAVERDE

LOCATION
UNIT: I
SEC: 15
TWN: 30N
RNG: 11W

LEGEND

COMPLETION DATE
*
WELL NAME
MCF/D-CUM(MMF)
BOP/D-CUM(MBO)

--BHPCALC--

Calculate BHP and Z-factor from surface shut-in pressure

06/14/00

WELL NAME :	**Morris A #13A (MV)**				
GAS GRAVITY:	**0.72**		% N2	**0.21**	
CONDENSATE (YES=1):	**1**		% CO2	**0.57**	%
RESERVOIR TEMP:	**124**	F	% H2S	**0.00**	%
SURFACE TEMP:	**60**	F	Pc =	665.33	%
DEPTH OF ZONE:	**3424**	Foot	Tc =	386.96	

SURFACE PRES	BHP	Z	BHP/Z
Psia	psia		psia
214	234	0.9660	242

Estimated Wellhead Pressure - Morris A #13A

Offset Well Name	Offset Well Number	Year of First Production	4/30/00 Cumulative Production (MMCF)	Est. Current Wellhead Pressure (psig)	Est. Current Wellhead Pressure (psia)
Hartman Com	5	1988	623.09	93	104.7
Hartman Com	6	1988	675.14	220	231.7
Morris A Com	18	1988	895.2	293	304.7
			Average =	**202**	**213.7**

Hartman Com #5 - Pressure versus Cumulative Production

Date	Cumulative Production* (MMCF)	Wellhead Pressure (psig)
3/5/88	24.1	748
6/27/89	101.7	685
2/14/90	152.3	621
7/2/91	219.5	541
8/15/91	273	529
9/27/93	329.7	468
1/31/94	349	402
4/30/00	623.09	

**Because daily production has not been recorded, these are approximated from monthly production.*

Hartman Com #6 - Pressure versus Cumulative Production

Date	Cumulative Production* (MMCF)	Wellhead Pressure (psig)
3/28/88	30.6	750
7/14/89	144.1	680
4/24/90	196.8	553
2/18/91	244.8	588
7/2/91	255.5	600
1/31/94	386.7	460
4/30/00	675.136	

**Because daily production has not been recorded, these are approximated from monthly production.*

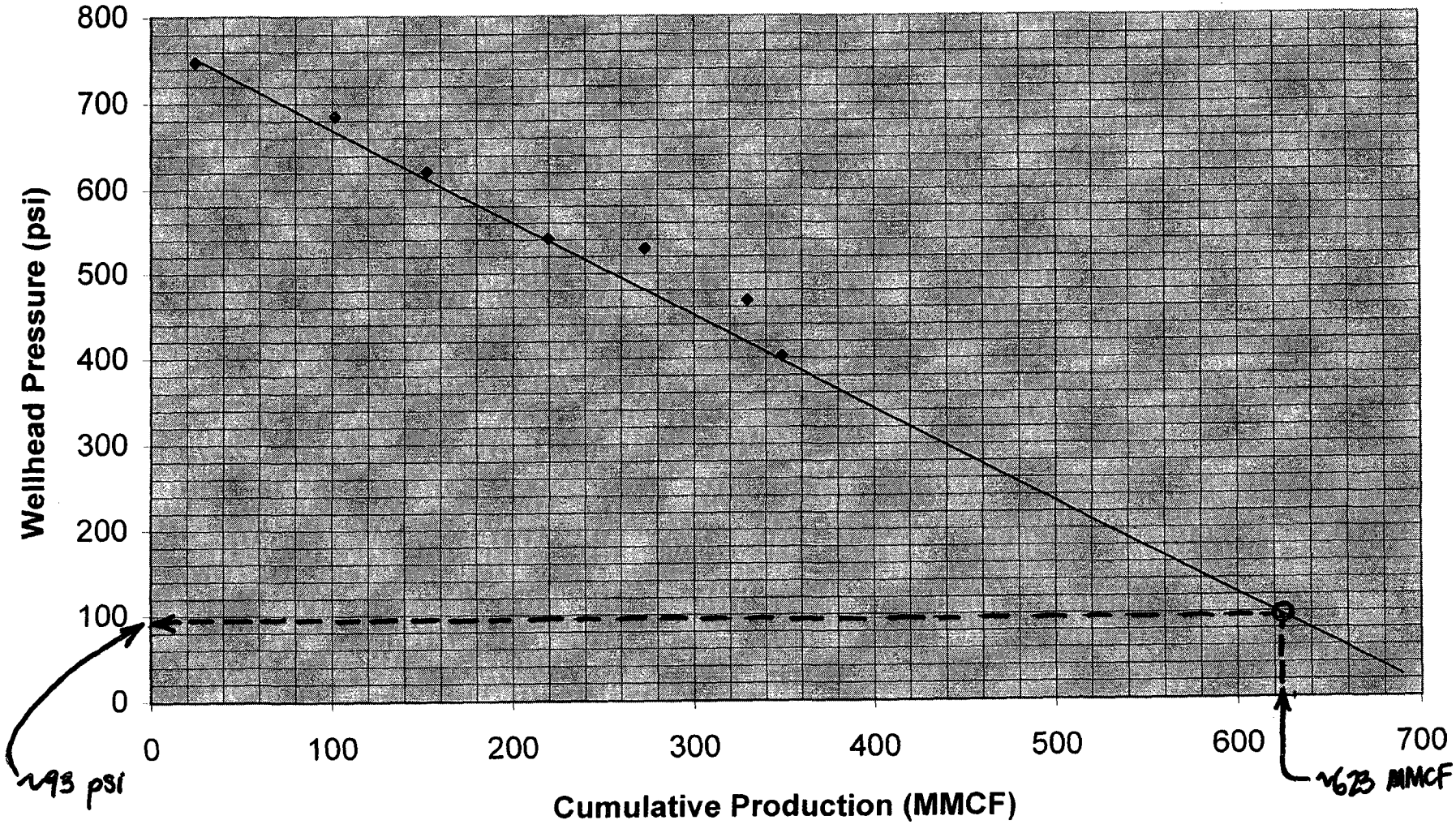
Morris A Com #18 - Pressure versus Cumulative Production

Date	Cumulative Production* (MMCF)	Wellhead Pressure (psig)
3/5/88	47.3	913
4/7/89	177.5	738
4/24/90	290.5	699
1/15/91	373.6	562
7/2/91	402.4	574
7/18/93	514.8	553
7/29/93	516.6	574
4/30/00	895.2	

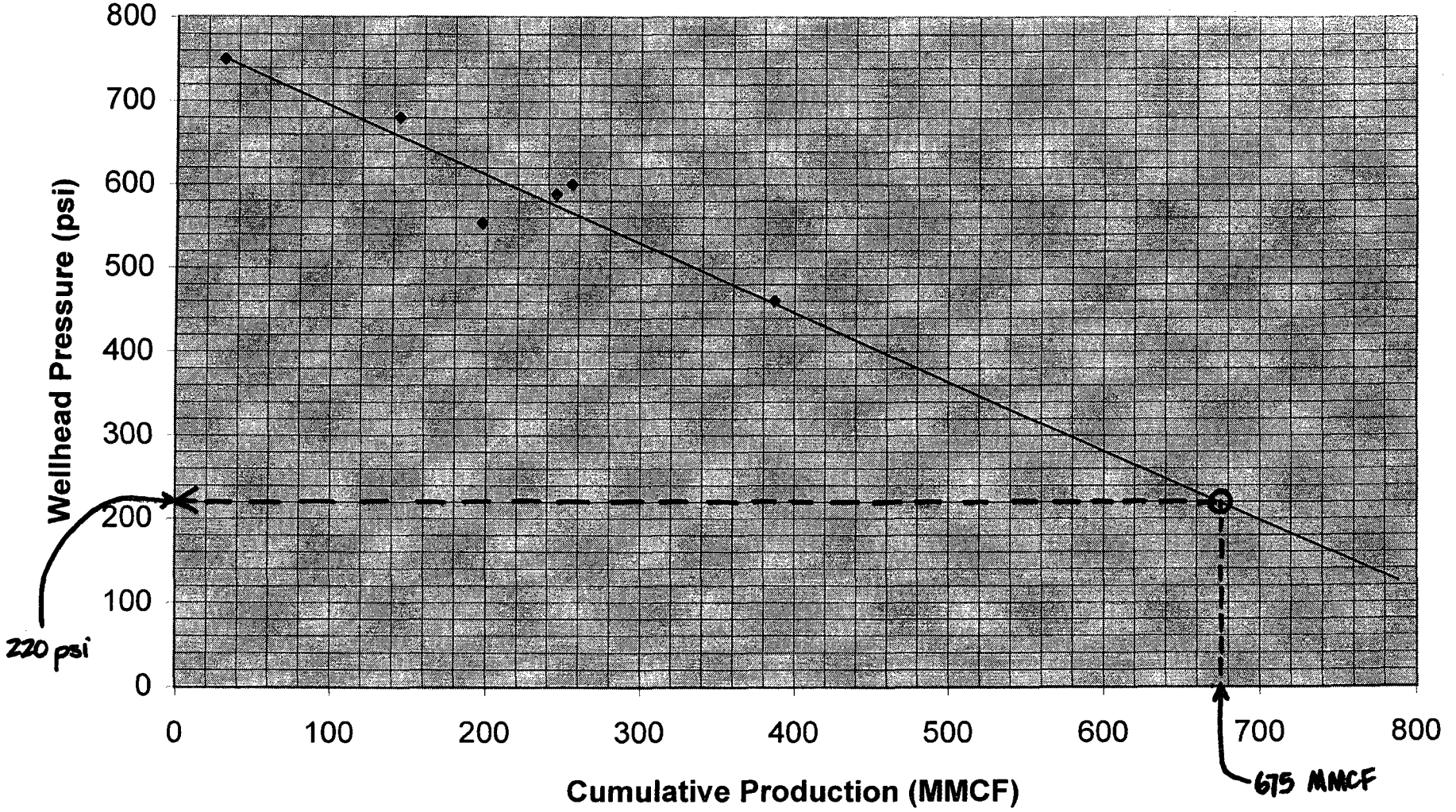
**Because daily production has not been recorded, these are approximated from monthly production.*

NOTE: The Morris A #13A was completed in 1986 in the Mesaverde formation, with the Menefee member being added in 1998. Because when shut-in, the Mesaverde will not build pressure above the reservoir pressure of the depleted Mesaverde (cross-flow between Mesaverde members will occur above this pressure), it has been determined that current shut-in wellhead pressures of the Hartman Com #5, Hartman Com #6, and the Morris A Com #18 should be similar in magnitude to the shut-in wellhead pressure of the Morris A #13A. The current shut-in wellhead pressures of the Hartman Com #5, Hartman Com #6, and the Morris A Com #18 were estimated using the wellhead pressure versus cumulative production relationship (illustrated on other attached sheets).

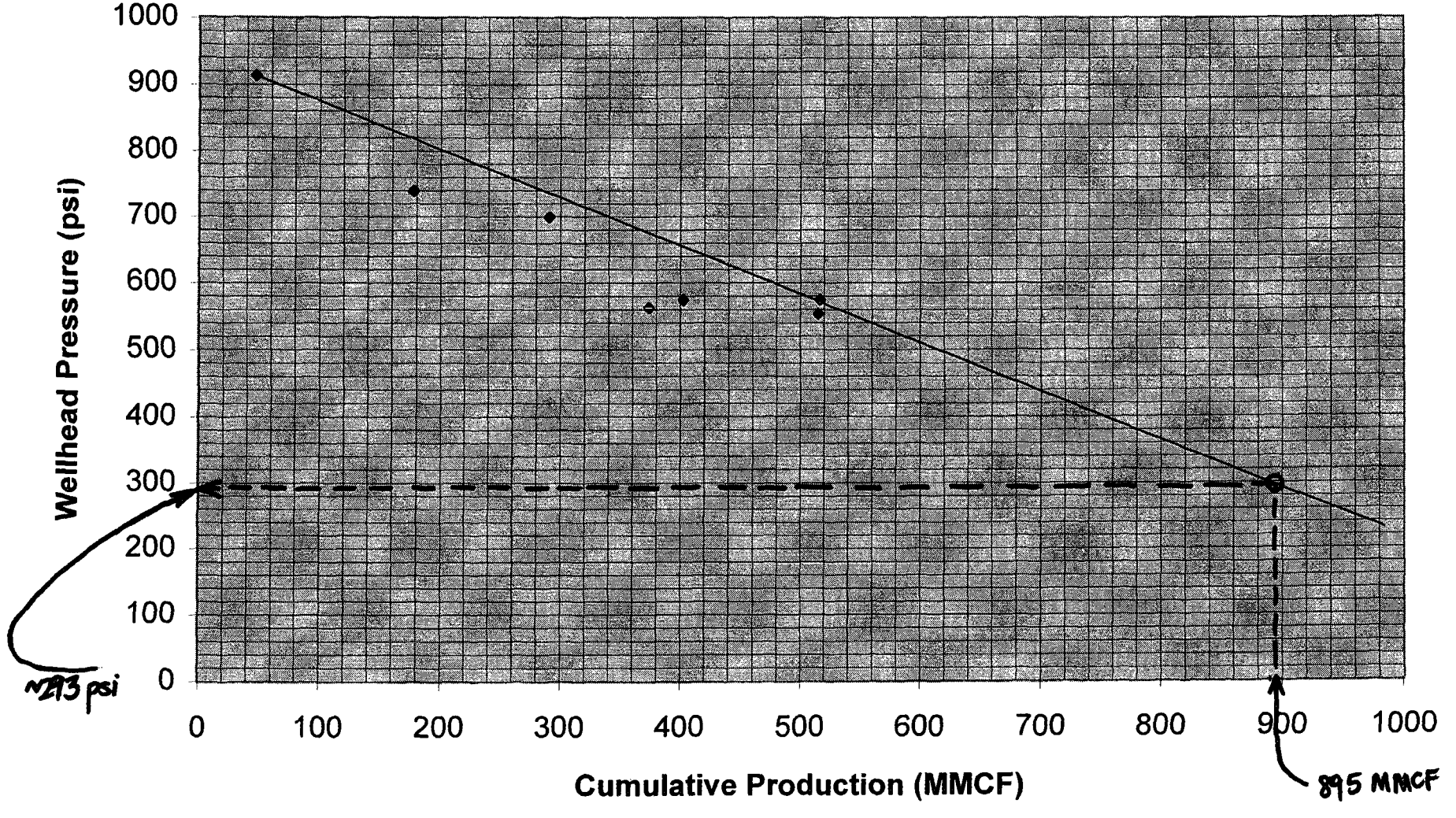
Hartman Com #5 - Pressure versus Cumulative Production

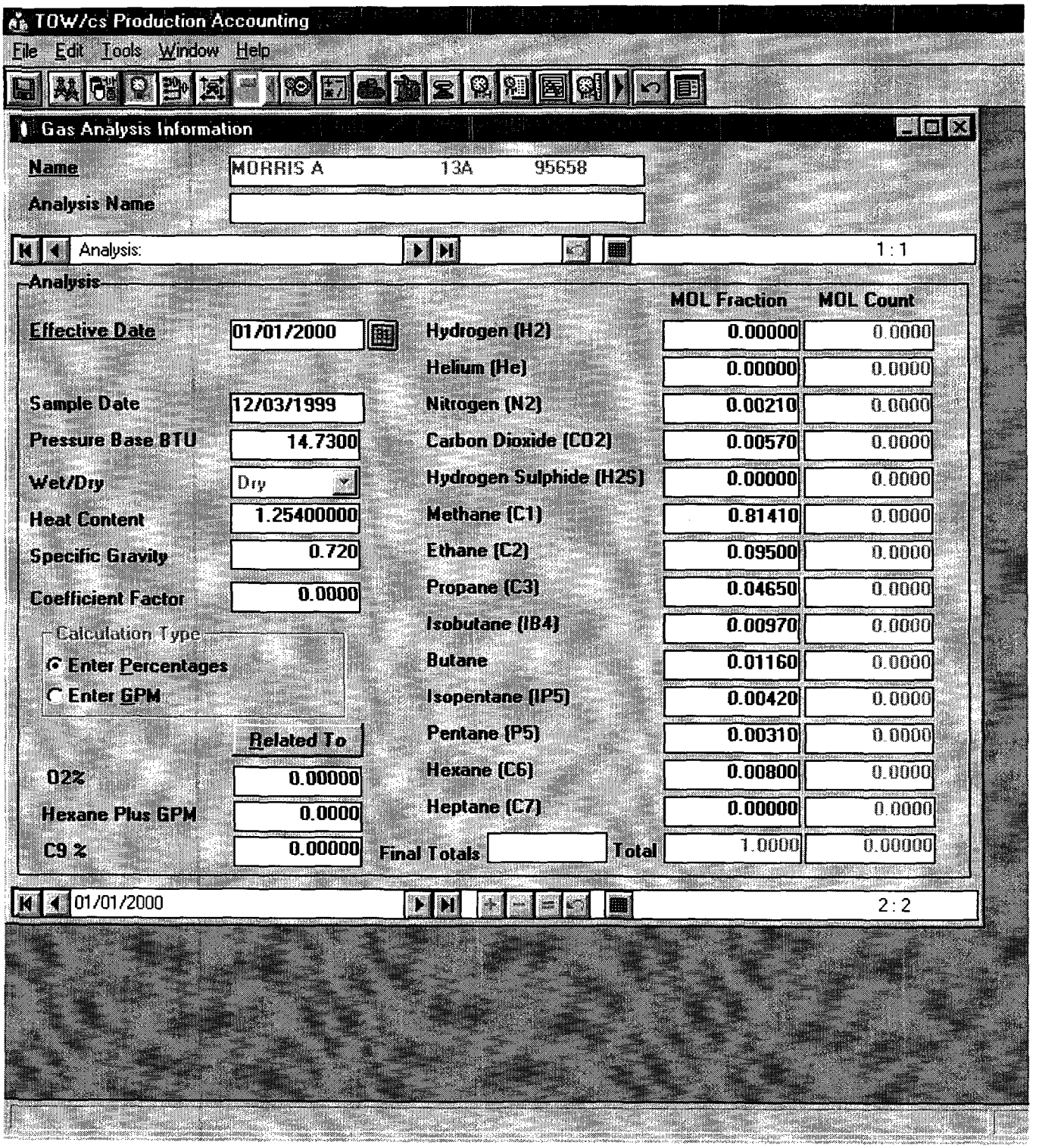


Hartman Com #6 - Pressure versus Cumulative Production



Morris A Com #18 - Pressure versus Cumulative Production




TOW/cs Production Accounting
File Edit Tools Window Help
Gas Analysis Information
Name
MORRIS A 13A 95658
Analysis Name
Analysis:
1 : 1
Analysis
Effective Date
01/01/2000
Sample Date
12/03/1999
Pressure Base BTU
14.7300
Wet/Dry
Dry
Heat Content
1.25400000
Specific Gravity
0.720
Coefficient Factor
0.0000
Calculation Type
Enter Percentages
Enter GPM
Related To
02%
0.00000
Hexane Plus GPM
0.0000
C9 %
0.00000
MOL Fraction
MOL Count
Hydrogen (H2) 0.00000 0.0000
Helium (He) 0.00000 0.0000
Nitrogen (N2) 0.00210 0.0000
Carbon Dioxide (CO2) 0.00570 0.0000
Hydrogen Sulphide (H2S) 0.00000 0.0000
Methane (C1) 0.81410 0.0000
Ethane (C2) 0.09500 0.0000
Propane (C3) 0.04650 0.0000
Isobutane (IB4) 0.00970 0.0000
Butane 0.01160 0.0000
Isopentane (IP5) 0.00420 0.0000
Pentane (P5) 0.00310 0.0000
Hexane (C6) 0.00800 0.0000
Heptane (C7) 0.00000 0.0000
Final Totals
Total 1.0000 0.00000
01/01/2000
2 : 2

--BHPCALC--

Calculate BHP and Z-factor from surface shut-in pressure

06/08/00

WELL NAME :	**Cooper #11 (Otero Chacra)**				
GAS GRAVITY:	**0.69**		% N2	**1.04**	
CONDENSATE (YES=1):	**1**		% CO2	**0.19**	%
RESERVOIR TEMP:	**117**	F	% H2S	**0.00**	%
SURFACE TEMP:	**60**	F	Pc =	664.65	%
DEPTH OF ZONE:	**3023**	Foot	Tc =	377.19	

SURFACE PRES	BHP	Z	BHP/Z
Psia	psia		psia
594	643	0.9122	705

Version 3.0

- The Cooper #11 was drilled and completed in the Mesaverde in 1991. Excessive water production led to the decision to plug the Mesaverde in January 1998. At that time, the well was recompleted in the Otero Chacra only, and will serve as an indication of the initial reservoir pressure that will be encountered in this area.

Form 3160-4
(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN [redacted]TE* (See other instructions on reverse side)

RECEIVED
BLM
98 FEB 19 PM 1:03
070 FARMINGTON, NM

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: SF-077317

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: Cooper #11

9. API WELL NO.: 30-045-28567

10. FIELD AND POOL, OR WILDCAT: Otero Chacra/Crouch Mesa MV

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 6, T-29-N, R-11-W

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [X] DIFF. RESVR [ ] Other

2. NAME OF OPERATOR: BURLINGTON RESOURCES OIL & GAS COMPANY

3. ADDRESS AND TELEPHONE NO.: PO BOX 4289, Farmington, NM 87499 (505) 326-9700

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 1140'FSL, 1450'FWL,
At top prod. interval reported below
At total depth

14. PERMIT NO. / DATE ISSUED

12. COUNTY OR PARISH: San Juan
13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, BR, ETC.)*	19. ELEV. CASINGHEAD
7-29-91		2-6-98	5755 GR	

20. TOTAL DEPTH, MD &TVD	21. PLUG, BACK T.D., MD &TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4759	3198			0-4759	

24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*: 2619-3178 Chacra

25. WAS DIRECTIONAL SURVEY MADE:

26. TYPE ELECTRIC AND OTHER LOGS RUN: CCL-GR

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	224	12 1/4	188 cu.ft.	
4 1/2	10.5#	4759	7 7/8	2830 cu.ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	3104	

31. PERFORATION RECORD (*Interval, size and number*)
2619, 2629, 2648, 2665, 2682, 2692, 2705, 2715, 2726, 2748, 2764, 2778, 2791, 2804, 2816, 2825, 2840, 2845, 2857, 2874, 2887, 2894, 2968, 2975, 2990, 3012, 3027, 3042, 3046, 3058, 3067, 3078, 3089, 3906, 3113, 3125, 3136, 3149, 3166, 3178, 3228, 3239, 3252, 3264, 3277,

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2619-2894	16,390 gal 30# x-link gel, 130,000# 20/40 Ariz sd.
2968-3178	326 bbl 30# x-link gel, 66,694# 20/40 Ariz sd, 577,509 SCF
3228-3427	387 bbl 30# x-link ge, 97,000# 20/40 Ariz sd - sqzd
Perforations cont'd on back	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping--size and type of pump*)	WELL STATUS (*Producing or shut-in*)
2-6-98	Flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
2-6-98			→		190 Pitot Gauge		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)
SI 580	SI 582	→				

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): To be sold

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: None

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Regulatory Administrator DATE 2-17-98

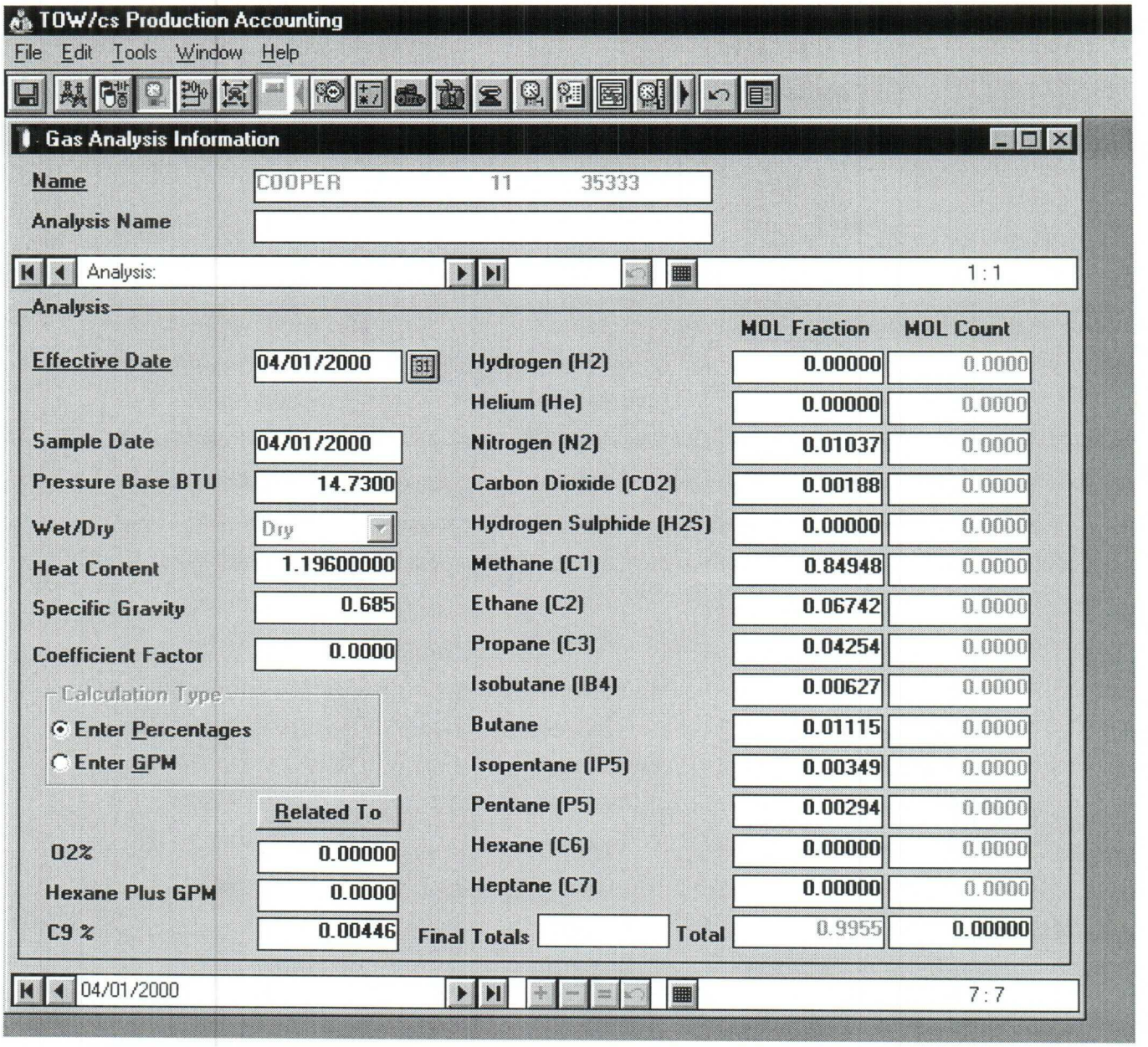
FEB 23 1998

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE

OPERATOR

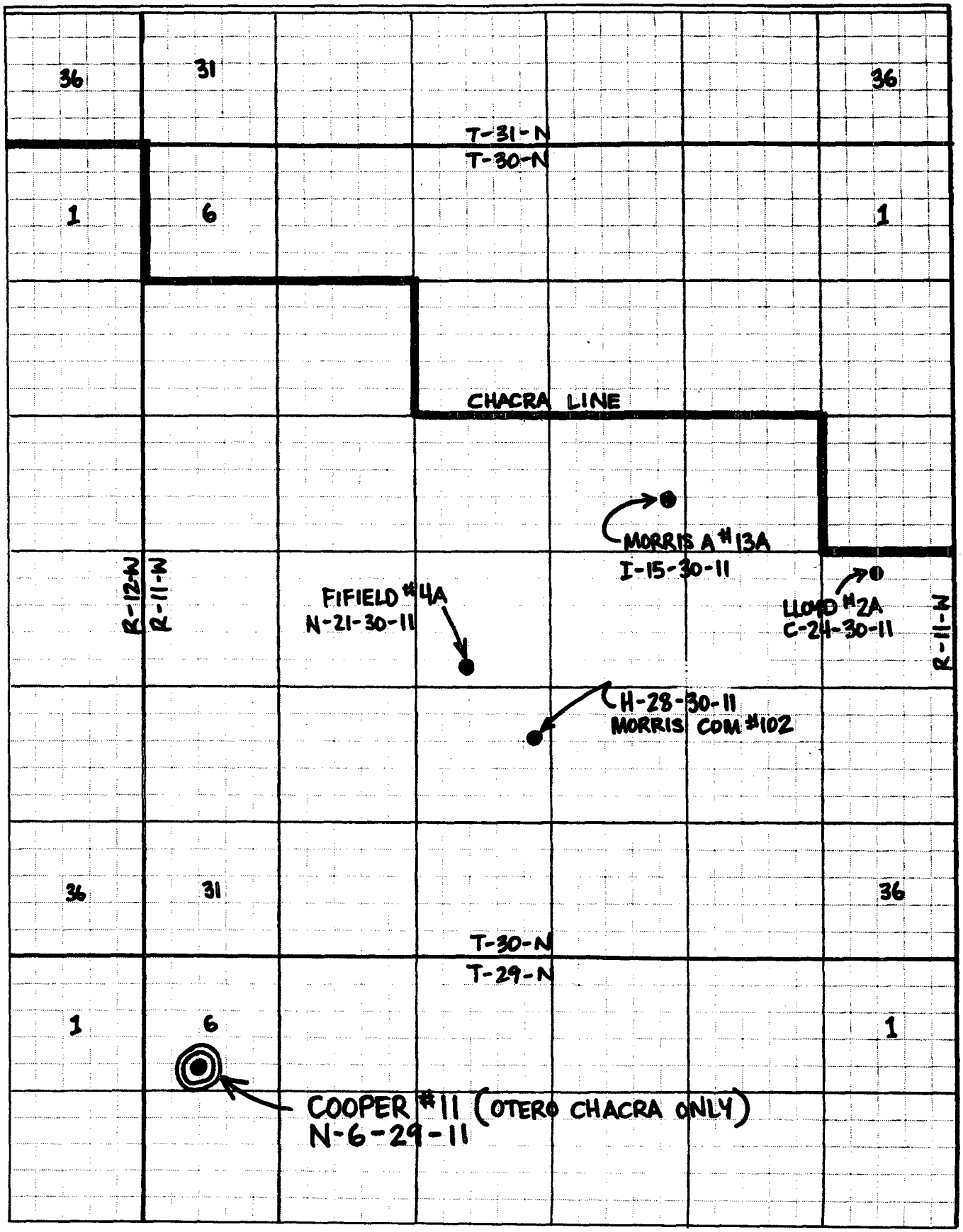

TOW/cs Production Accounting
File Edit Tools Window Help
Gas Analysis Information
Name
COOPER 11 35333
Analysis Name
Analysis:
1 : 1
Analysis
Effective Date
04/01/2000
Sample Date
04/01/2000
Pressure Base BTU
14.7300
Wet/Dry
Dry
Heat Content
1.19600000
Specific Gravity
0.685
Coefficient Factor
0.0000
Calculation Type
Enter Percentages
Enter GPM
Related To
O2%
0.00000
Hexane Plus GPM
0.0000
C9 %
0.00446
MOL Fraction
MOL Count
Hydrogen (H2) 0.00000 0.0000
Helium (He) 0.00000 0.0000
Nitrogen (N2) 0.01037 0.0000
Carbon Dioxide (CO2) 0.00188 0.0000
Hydrogen Sulphide (H2S) 0.00000 0.0000
Methane (C1) 0.84948 0.0000
Ethane (C2) 0.06742 0.0000
Propane (C3) 0.04254 0.0000
Isobutane (IB4) 0.00627 0.0000
Butane 0.01115 0.0000
Isopentane (IP5) 0.00349 0.0000
Pentane (P5) 0.00294 0.0000
Hexane (C6) 0.00000 0.0000
Heptane (C7) 0.00000 0.0000
Final Totals
Total 0.9955 0.00000
04/01/2000
7 : 7

BR-0139A (7-96)

BURLINGTON RESOURCES
ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 6/8/00
By: LTL
File:

LOCATION OF COOPER #11



INTEREST OWNERS

MORRIS A 13A WELL - JUNE 20, 2000

CHASE BANK OF TEXAS NA TRSTEE

BUREAU OF LAND MANAGEMENT

AMOCO PRODUCTION COMPANY

NORTHERN TR BANK OF TEXAS NA

JOSEPH F BURNS TRUSTEE

JERRY D & SUE H WINGET TRTEES

JO ANNE MOSS TRELOAR

EDWINA PETERSEN TRUSTEE

ELLIOTT INDUSTRIES

ELLIOTT-HALL COMPANY

BURLINGTON RESOURCES

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Morris A #13A
NESE, Section 15, T-30-N, R-11-W
30-045-26586
San Juan County, New Mexico

Gentlemen:

The above referenced well is a Chacra/Mesaverde commingle. Attached is a copy of the allocation for the commingling of the subject well completed on December 28, 2000. DHC-2817 was issued for this well.

Gas:	Chacra	61%
	Mesa Verde	39%
Oil:	Chacra	0%
	Mesa Verde	100%

These percentages are based upon remaining reserves assigned to each formation founded on production from the respective formations before and after the recompletion of the Chacra. Because condensate production did not change with the addition of the Chacra formation, the condensate is completely allocated to the Mesaverde formation. Please let me know if you have any questions.

Sincerely,

P. Cole

Peggy Cole
Regulatory Supervisor

Xc: NMOCD – Santa Fe
Bureau of Land Management

3401 East 30th, Post Office Box 4289, Farmington, NM 87499 505-326-9727 Fax: 505-326-9563

Production Allocation Documentation

Morris A 13A

Production Allocation
Based on Remaining Reserves
Chacra Recompletion (December 2000)

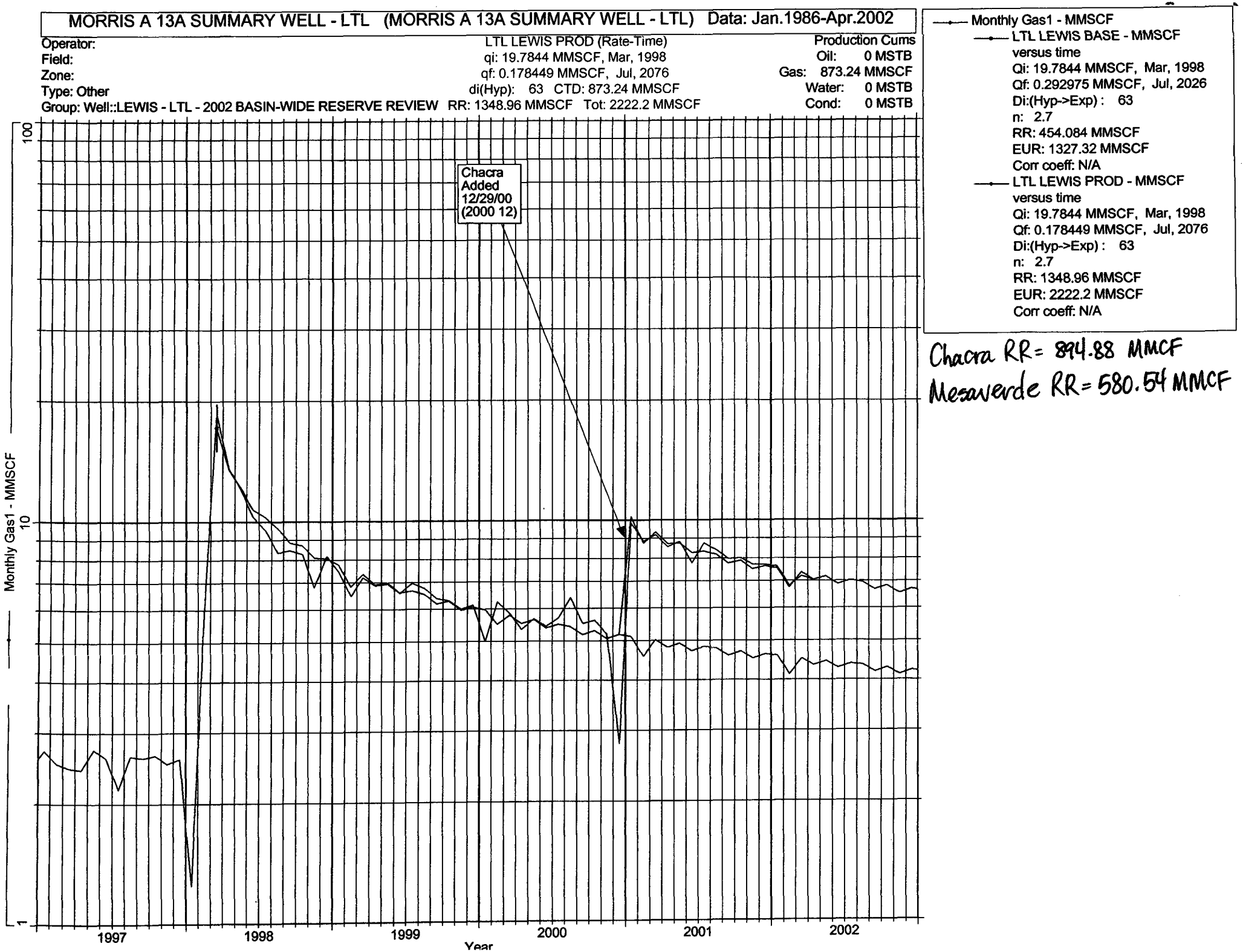
GAS

	RR (MMCF)	Allocation %
Mesaverde	580.5	39%
All	1475.4	
Chacra	894.9	61%

Condensate

Because condensate has not changed since the addition of the Chacra formation, condensate has remained completely attributed to the Mesaverde formation.

8/27/2002



Chacra RR = 894.88 MMCF

Mesaverde RR = 580.54 MMCF