

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 _____

3281

[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.

Print or Type Name

Signature

Title

Date

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 Grande Road, Aztec, NM 87410

District IV
1220 S. B. Francis Dr., Santa Fe, NM 87503

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Received 3/7/04

Operator: Doyle Hartman Address: 500 N. Main St., Midland, TX, 79701
Mexico "E" Com 2 N-2-23S-36E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 6473 Property Code 20834 API No. 30-025-09225 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Jalmat (T-Y-7R)		Langlie Matlix (7R-Qn)
Pool Code	79240		37240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3023' - 3434' (31 Holes)		3500' - 3578' (8 Holes)
Method of Production (Flowing or Artificial Lift)	Pumping/Flowing		Pumping/Flowing
Bottomhole Pressure <small>(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)</small>	03/21/2002: WHSIP = 47 psig All Zones (3023' - 3578')		03/21/2002: WHSIP = 47 psig All Zones (3023' - 3578')
Oil Gravity or Gas BTU <small>(Degree API or Gas BTU)</small>	1.264 MMBTU/MCF		1.264 MMBTU/MCF
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production <small>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)</small>	02/24/2004: Gas: 80.3 MCFPD Oil: 0 BPD Water: 0 BPD	Date: Rates:	02/24/2004: Gas: 20.7 MCFPD Oil: 0 BPD Water: 10 BPD
Fixed Allocation Percentage <small>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)</small>	Oil 0.0 % Gas 79.5 %	Oil % Gas %	Oil 0.0 % Gas 20.5 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No
 If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No
 Are all produced fluids from all commingled zones compatible with each other? Yes No
 Will commingling decrease the value of production? Yes No
 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 No
 NMOCD Reference Case No. applicable to this well: N/A

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. Subsurface X-Section Documenting Overall Gas Productive Interval

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 Steve Hartman TITLE Engineer DATE 03/22/2004
 TYPE OR PRINT NAME Steve Hartman TELEPHONE NO. (432) 684-4011
 E-MAIL ADDRESS dhoo-sh@swbell.net

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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

API Number 30-025-09225		Pool Code 79240	Pool Name Jalmat (T-Y-7R)
Property Code 20834	Property Name Mexico "E" Com		Well Number 2
GRID No. 6473	Operator Name Doyle Hartman		Elevation 3457' RKB

Surface Location

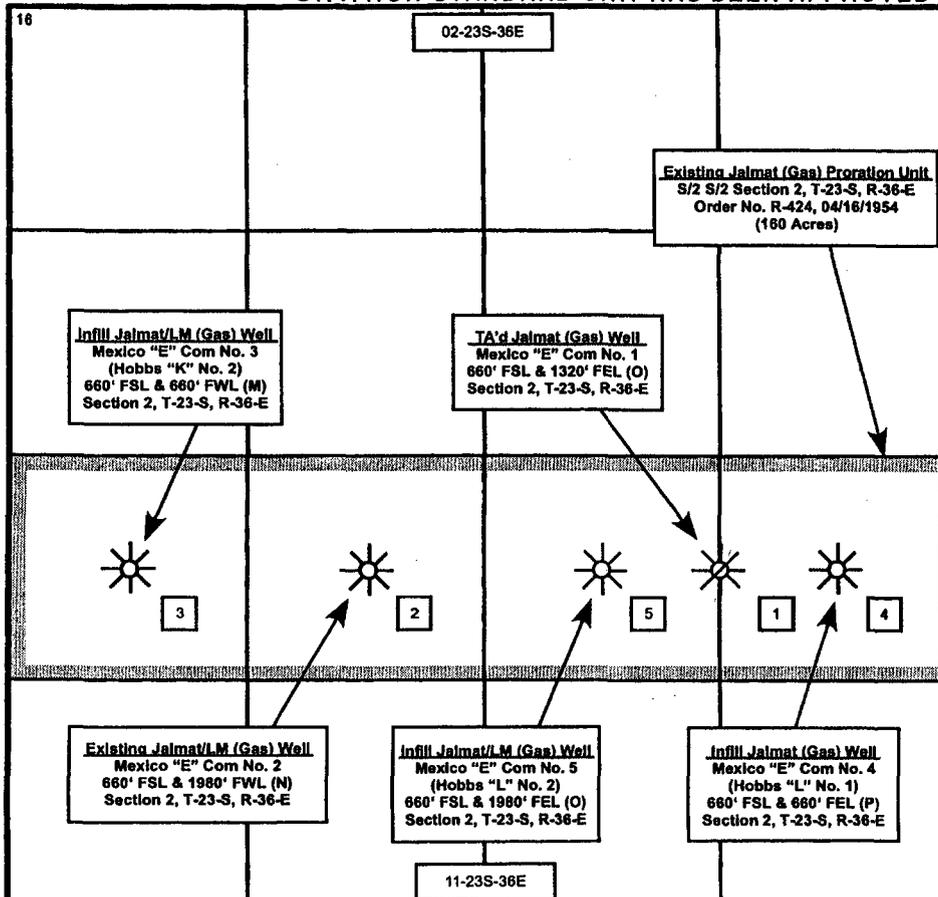
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
N	2	23S	36E		660'	South	1980'	West	Lea

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

Dedicated Acres 160	Joint or Infill Y	Consolidation Code C	Order No. NMOCD Order No. R-424, Approved 04/16/1954
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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



OPERATOR CERTIFICATION

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

Steve Hartman

Signature
Steve Hartman
Printed Name
Engineer
Title
03/22/2004
Date

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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

Form C-102
Revised October 18, 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

API Number 30-025-09225	Pool Code 37240	Pool Name Langlie Mattix (7R-Qn)
Property Code 20834	Property Name Mexico "E" Com	Well Number 2
OGRID No. 6473	Operator Name Doyle Hartman	Elevation 3457' RKB

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
N	2	23S	36E		660'	South	1980'	West	Lea

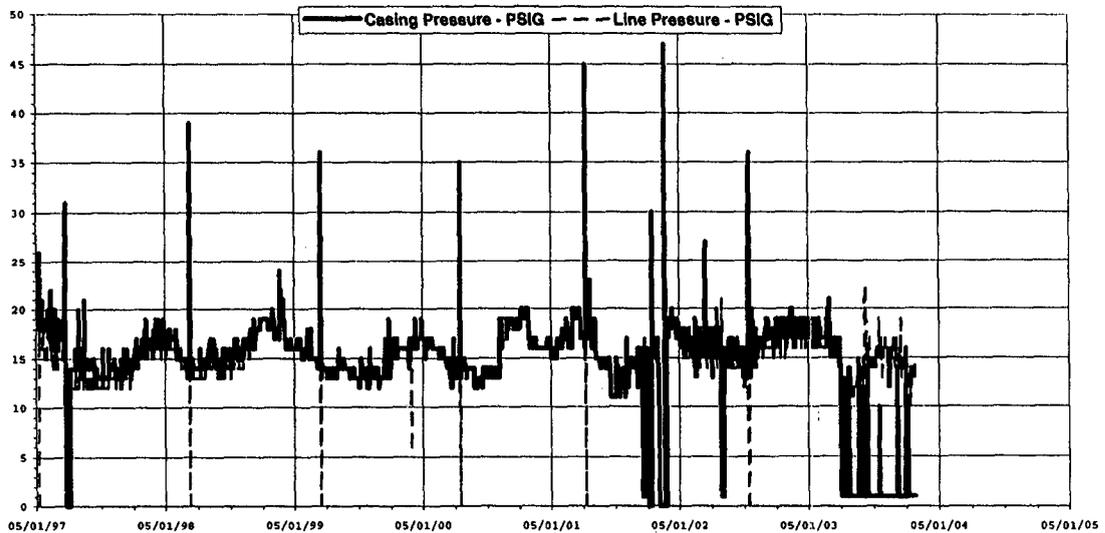
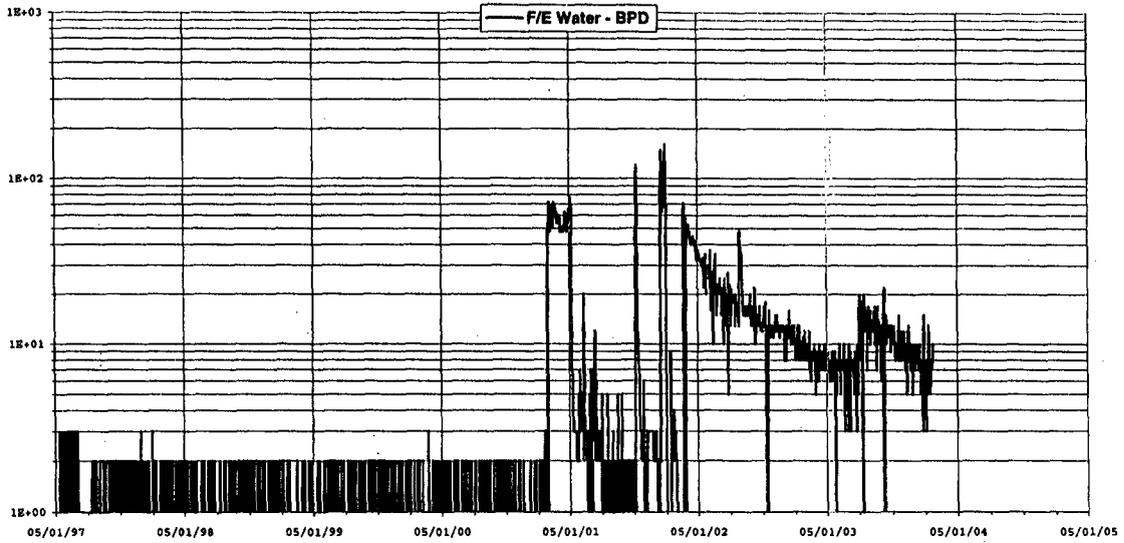
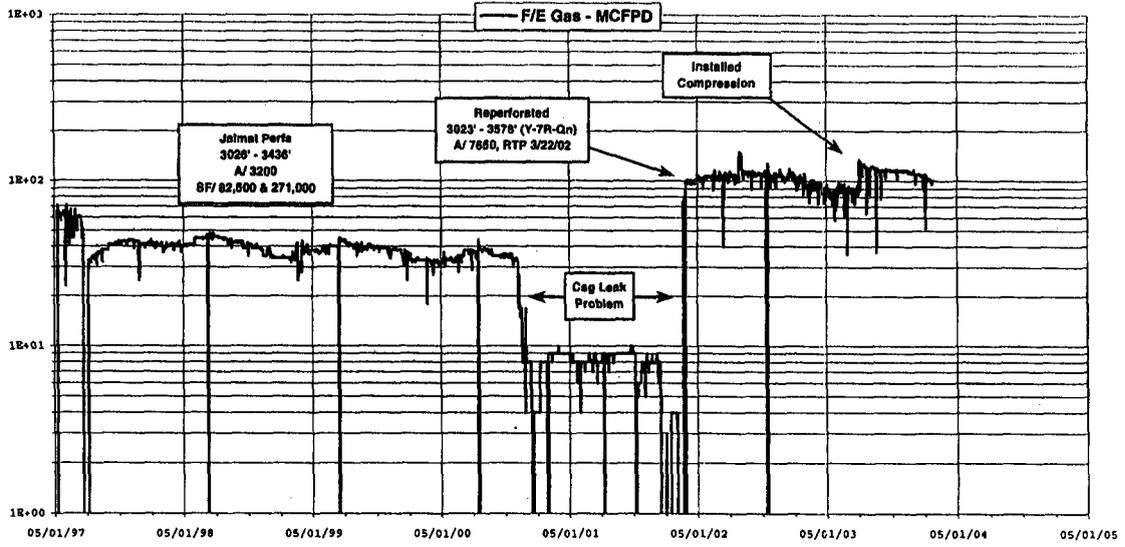
Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.						

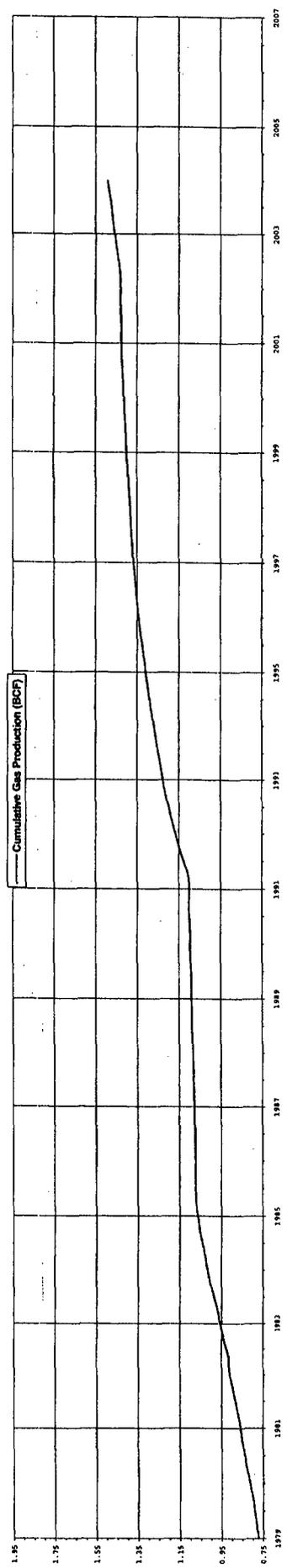
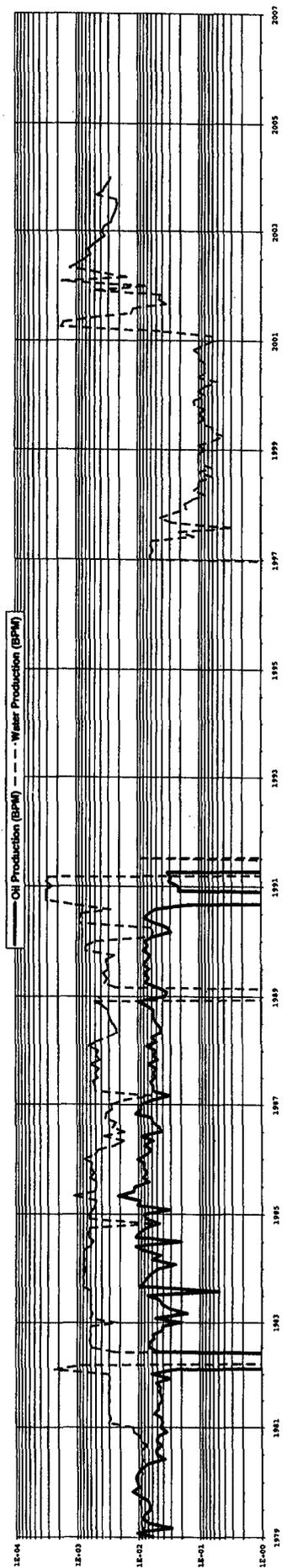
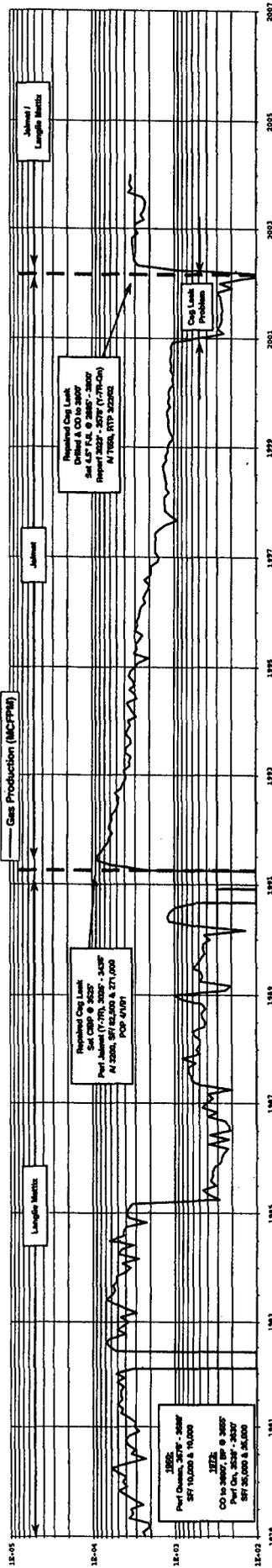
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Steve Hartman</i></p> <p>Signature Steve Hartman Printed Name Engineer Title 03/22/2004 Date</p>
	<p>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.</p> <p>Date of Survey Signature and Seal of Professional Surveyer: Certificate Number</p>

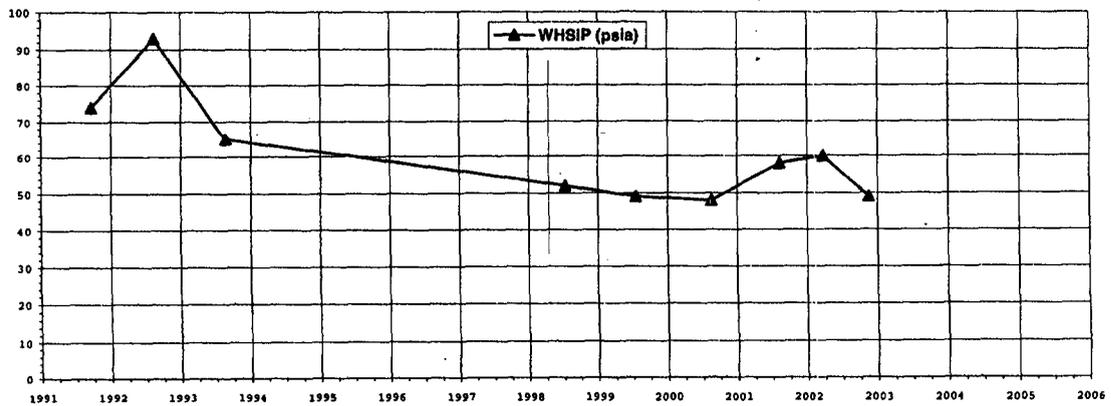
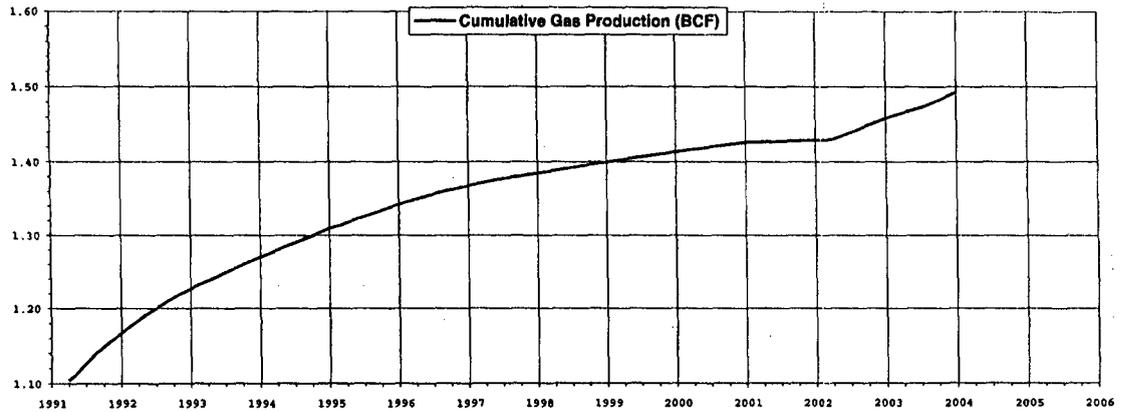
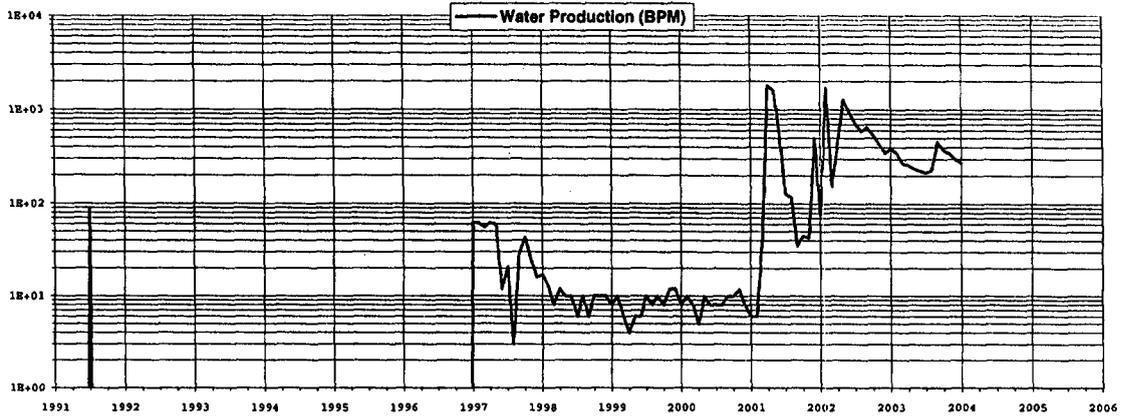
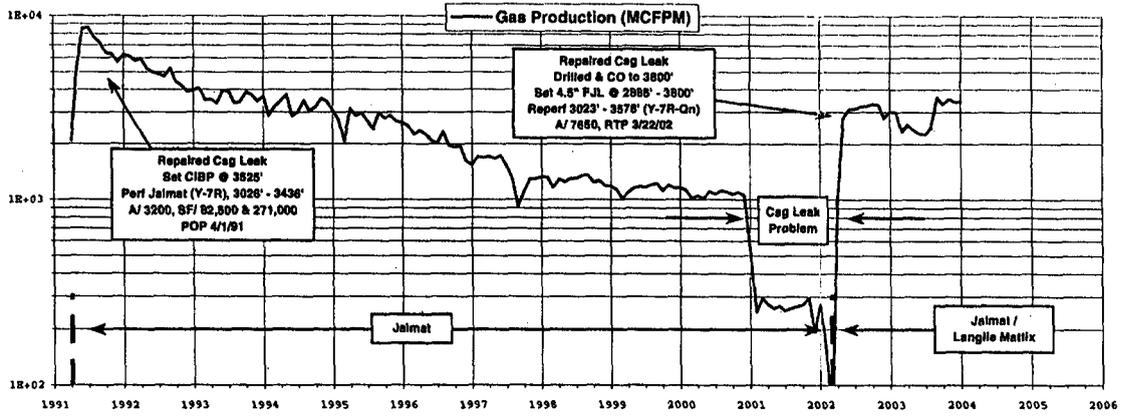
Mexico "E" Com #2
 Jalmat / Langlie Mattix
 N-2-23S-36E
 Doyle Hartman



Mexico E Com #2 (Hobbs & #1)
 Jalmat / Langite Matz
 N-2-235-38E
 Doyle Hartman



Mexico E Com #2
 Jalmat / Langlie Mattix
 N-02-23S-36E
 Doyle Hartman



Production Allocation
Mexico "E" Com No. 2
Jalmat (3023' - 3434', 31 Holes) / Langlie Mattix (3500' - 3578', 8 Holes)
N-2-23S-36E
Doyle Hartman

02/24/2004 Total Daily Gas Production (mcfpd)	101	02/24/2004 Daily Gas Prod. per Perf. (mcfpd / perf)	2.6	02/24/2004 Jalmat Daily Gas Prod. (mcfpd)	80.3	Jalmat Gas Production Allocation (%)	79.5
		Total Perforations	39	Total Jalmat Perforations	31		
02/24/2004 Total Daily Gas Production (mcfpd)	101	02/24/2004 Daily Gas Prod. per Perf. (mcfpd / perf)	2.6	02/24/2004 Langlie Mattix Daily Gas Prod. (mcfpd)	20.7	Langlie Mattix Gas Production Allocation (%)	20.5
		Total Perforations	39	Total Langlie Mattix Perforations	8		

NORTH

B

Structural Cross-Section

SOUTH

B'

Raptor Resources, Inc.
 State "A" A/C-1 No. 30
 1-03-23S-36E
 Comp. Date: 10-23-51
 Gas Cum: 4,983 MMCF

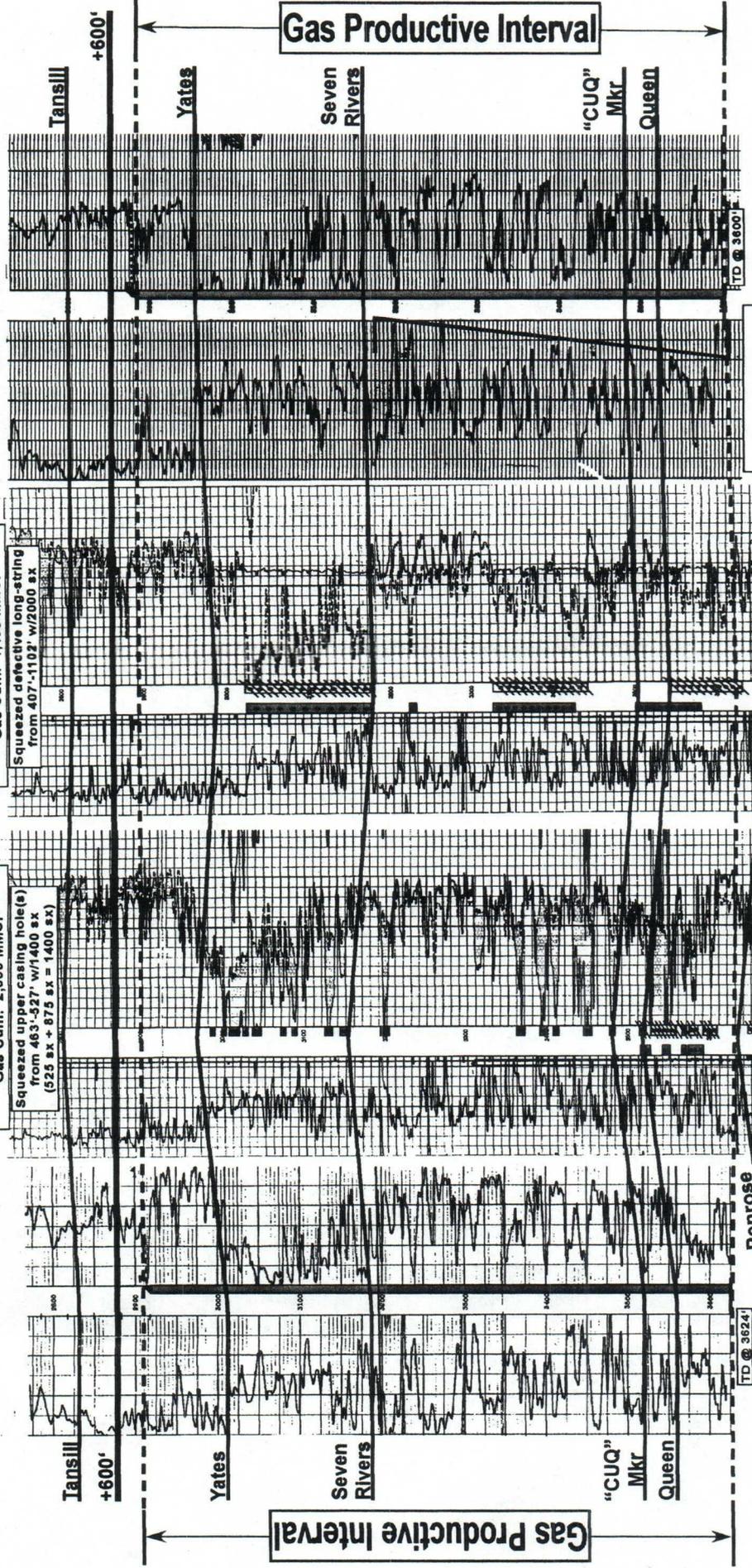
Doyle Hartman
 Mexico "E" Com No. 3
 (Hobbs "K" No. 2)
 M-02-23S-36E
 Comp. Date: 3-18-60
 Repair & Recomp. Date: 12-05-02
 Gas Cum: 2,099 MMCF

Squeezed upper casing hole(s)
 from 463'-527' w/1400 sx
 (525 sx + 875 sx = 1400 sx)

Doyle Hartman
 Mexico "E" Com No. 2
 (Hobbs "K" No. 1)
 N-02-23S-36E
 Comp. Date: 11-10-59
 Repair & Recomp. Date: 3-18-02
 Gas Cum: 1,493 MMCF

Squeezed defective long-string
 from 407'-1102' w/2000 sx

Raptor Resources, Inc.
 State "A" A/C-1 No. 29
 C-11-23S-36E
 Comp. Date: 9-26-51
 Gas Cum: 6,578 MMCF



DST (3175-3600')
 F = 4,920 MCF
 FP = 815-855#
 SIP = 1205#
 Date: 9-28-51

PSTD @ 3780'
 NTD @ 3800'

4 1/2" O. D.
 11.8 lb/ft P.U.L.
 @ 2865'-3800'
 w/1100 sx

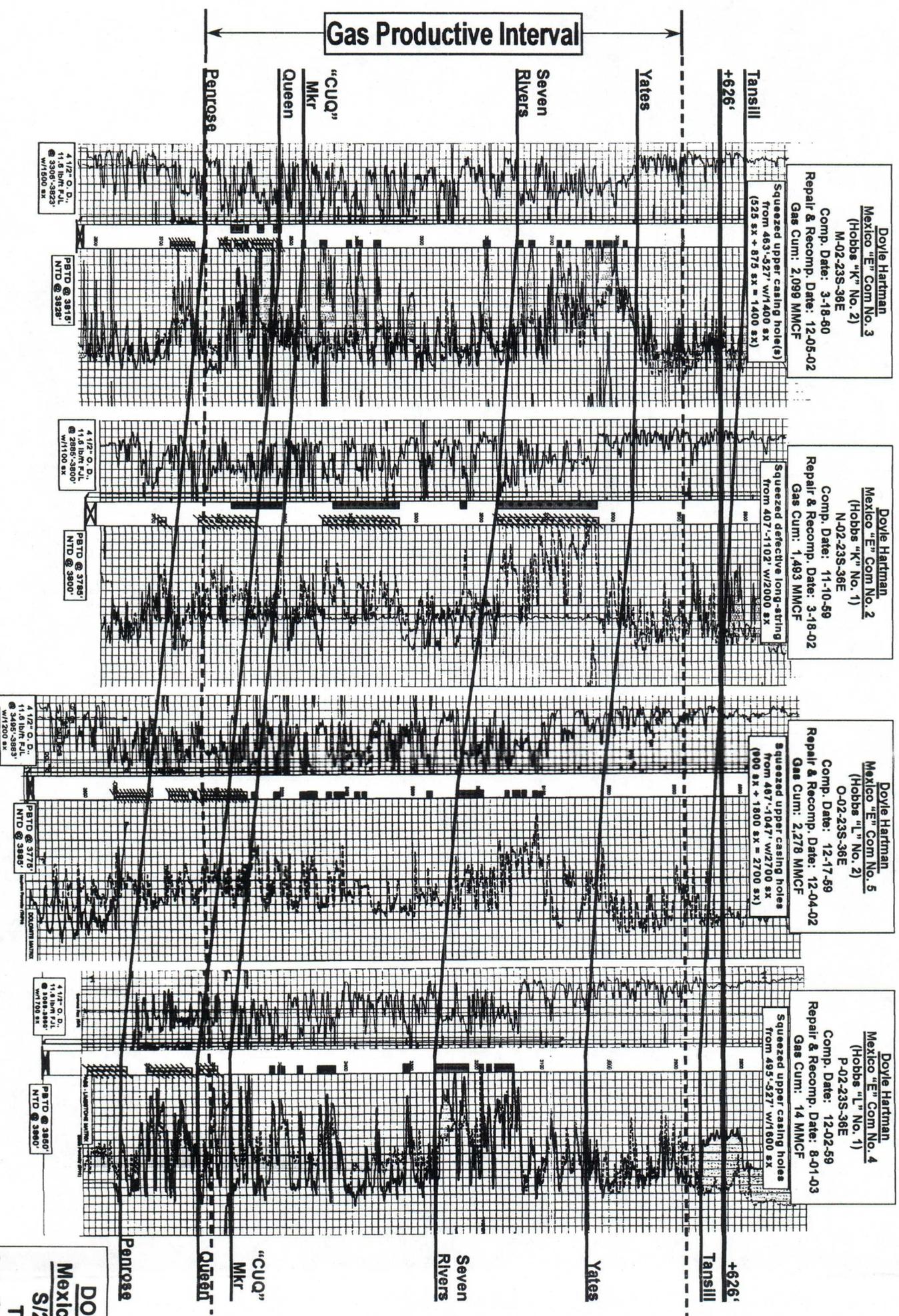
PSTD @ 3815'
 NTD @ 3828'

4 1/2" O. D.
 11.8 lb/ft P.U.L.
 @ 3305'-3823'
 w/1500 sx

DOCUMENTED GAS PRODUCTIVE INTERVAL
 Sections 2, 3 & 11
 T-23-S, R-36-E
 Lea County, New Mexico

Structural Cross-Section

Gas Productive Interval



Doyle Hartman
Mexico "E" Com No. 3
(Hobbs "K" No. 2)
M-02-23S-36E
Comp. Date: 3-18-60
Repair & Recomp. Date: 12-05-02
Gas Cum: 2,099 MMCF

Doyle Hartman
Mexico "E" Com No. 2
(Hobbs "K" No. 1)
N-02-23S-36E
Comp. Date: 11-10-59
Repair & Recomp. Date: 3-18-02
Gas Cum: 1,493 MMCF

Doyle Hartman
Mexico "E" Com No. 5
(Hobbs "L" No. 2)
O-02-23S-36E
Comp. Date: 12-17-59
Repair & Recomp. Date: 12-04-02
Gas Cum: 2,278 MMCF

Doyle Hartman
Mexico "E" Com No. 4
(Hobbs "L" No. 1)
P-02-23S-36E
Comp. Date: 12-02-59
Repair & Recomp. Date: 8-01-03
Gas Cum: 14 MMCF

DOYLE HARTMAN
Mexico "E" Com Lease
S/2 S/2, Section 2
T-23-S, R-36-E
Lea County, New Mexico