

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 \_\_\_\_\_

3282

[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. Frank Drive, Hobbs, NM 88340

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

District III  
1000 Rio Grande 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

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

Form C-107A  
Revised June 10, 2003

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

APPLICATION FOR DOWNHOLE COMMINGLING

Doyle Hartman 500 N. Main St., Midland, TX, 79701  
Operator Address  
Mexico "E" Com 3" M-2-23S-36E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 6473 Property Code 20833 API No. 30-025-09226 Lease Type:  Federal  State  Fee

Received 5/7/04

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Jalmat (T-Y-7R)		Langle Mattix (7R-Qn)
Pool Code	79240		37240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2985' - 3410' (22 Holes)		3446' - 3589' (12 Holes)
Method of Production (Flowing or Artificial Lift)	Pumping/Flowing		Pumping/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)	11/05/2002: WHSIP = 45 psig All Zones (2985' - 3589')		11/05/2002: WHSIP = 45 psig All Zones (2985' - 3589')
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1.333 MMBTU/MCF		1.333 MMBTU/MCF
Producing, Shut-In or New Zone	Producing		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.)	02/24/2004: Gas: 157.9 MCFPD Oil: 0 BPD Water: 0 BPD	Date: Rates:	02/24/2004: Gas: 86.1 MCFPD Oil: 0 BPD Water: 36 BPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 0.0 % Gas 64.7 %	Oil % Gas %	Oil 0.0 % Gas 35.3 %

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 Doyle 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

\* Formerly Hobbs "K" No. 2

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 30-025-09226		Pool Code 79240	Pool Name Jalmat (T-Y-7R)
Property Code 20833	Property Name Mexico "E" Com		Well Number 3 *
OGRID No. 6473	Operator Name Doyle Hartman		Elevation 3461' 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
M	2	23S	36E		660'	South	660'	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						

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>16</p> <p>02-23S-36E</p> <p>Existing Jalmat (Gas) Proration Unit S/2 S/2 Section 2, T-23-S, R-36-E Order No. R-424, 04/16/1954 (160 Acres)</p> <p>Infill Jalmat/LM (Gas) Well Mexico "E" Com No. 3 (Hobbs "K" No. 2) 660' FSL &amp; 660' FWL (M) Section 2, T-23-S, R-36-E</p> <p>TA'd Jalmat (Gas) Well Mexico "E" Com No. 1 660' FSL &amp; 1320' FEL (O) Section 2, T-23-S, R-36-E</p>	<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p></p> <p>Signature Steve Hartman Printed Name Engineer Title 03/22/2004 Date</p>
	<p>Existing Jalmat/LM (Gas) Well Mexico "E" Com No. 2 660' FSL &amp; 1980' FWL (N) Section 2, T-23-S, R-36-E</p> <p>Infill Jalmat/LM (Gas) Well Mexico "E" Com No. 5 (Hobbs "L" No. 2) 660' FSL &amp; 1980' FEL (O) Section 2, T-23-S, R-36-E</p> <p>Infill Jalmat (Gas) Well Mexico "E" Com No. 4 (Hobbs "L" No. 1) 660' FSL &amp; 660' FEL (P) Section 2, T-23-S, R-36-E</p> <p>11-23S-36E</p>	<p><b>SURVEYOR CERTIFICATION</b> 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:</p> <p>Certificate Number</p>

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Santa Fe, NM 87505

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-09226		Pool Code 37240		Pool Name Langlie Mattix (7R-Qn)	
Property Code 20833		Property Name Mexico "E" Com			Well Number 3 *
OGRID No. 6473		Operator Name Doyle Hartman			Elevation 3461' 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
M	2	23S	36E		660'	South	660'	West	Lea

Bottom Hole Location If Different From Surface

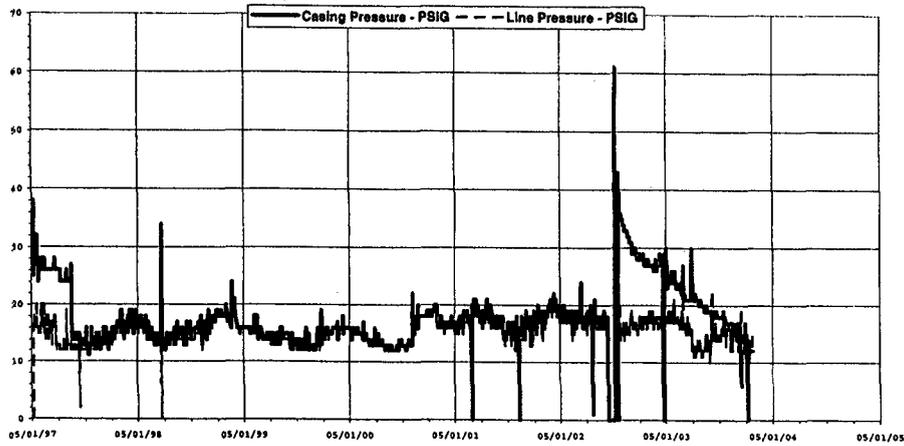
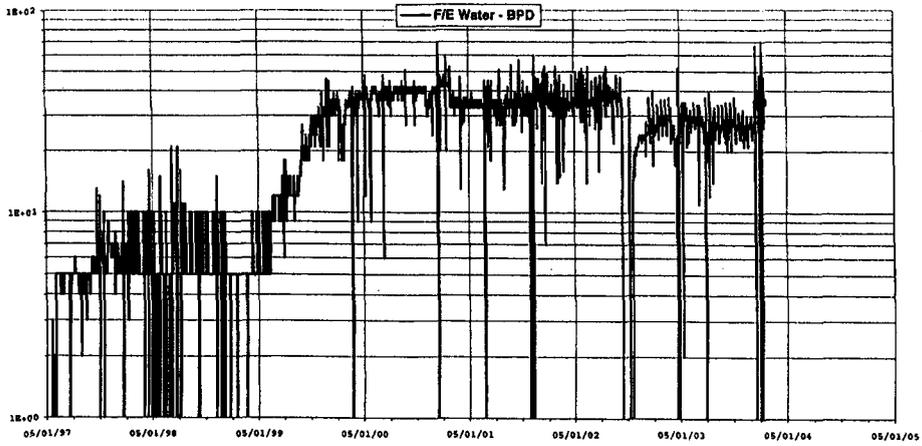
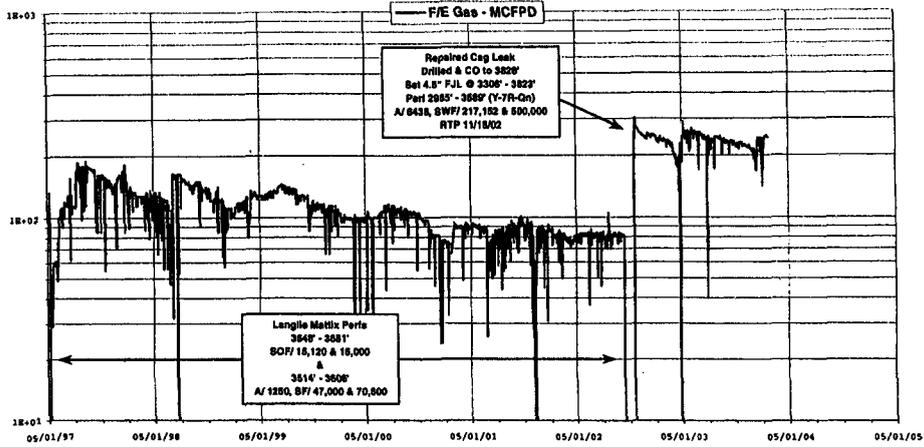
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
Dedicated Acres 40		Joint or Infill N		Consolidation Code		Order No.			

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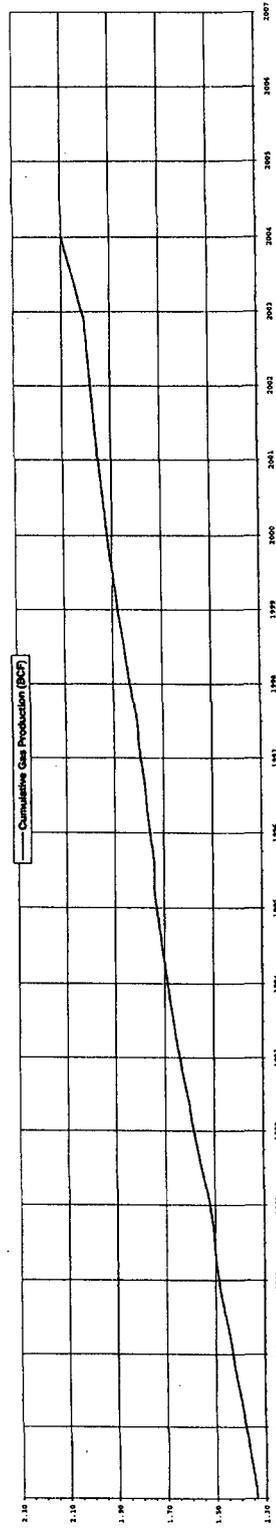
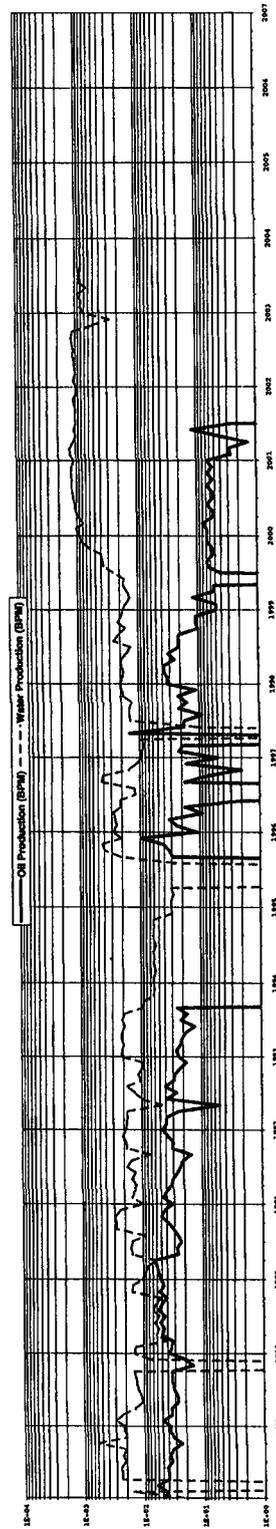
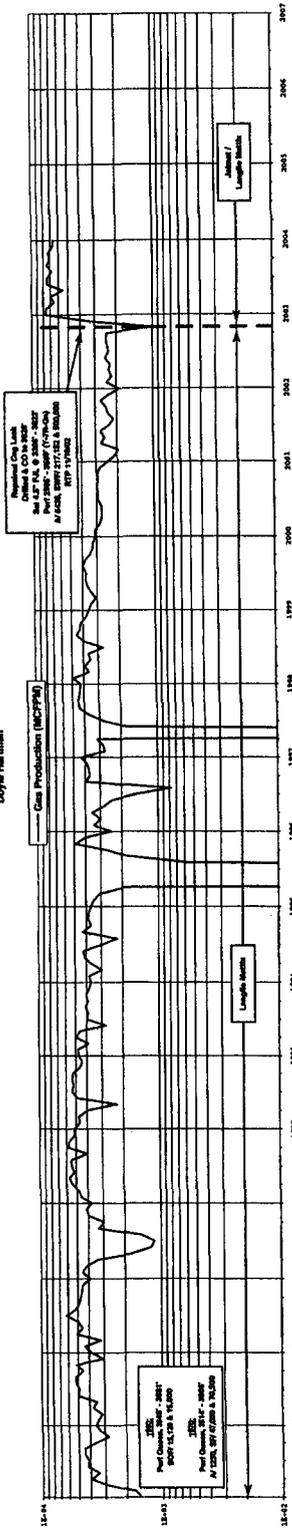
<p>16</p> <p>02-23S-36E</p> <p>Infill Jalmat/LM (Gas) Well Mexico "E" Com No. 3 (Hobbs "K" No. 2) 660' FSL &amp; 660' FWL (M) Section 2, T-23-S, R-36-E</p>  <p>3</p> <p>11-23S-36E</p>	<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p></p> <p>Signature Steve Hartman Printed Name Engineer Title 03/22/2004 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b> 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 Surveyor: Certificate Number</p>

\* Formerly Hobbs "K" No. 2

Hobba K #2 (Mexico E Com #3)  
Jalmat / Langlie Mattix  
M-2-23S-36E  
Doyle Hartman



Hobbs K 62 (Mexico E Conn #3)  
 Jaramar / Langley Wells  
 M-02-225-28E  
 Doyle Hartman



1200: 2.089 BCF 51.3 MBO

**Production Allocation**

**Mexico "E" Com No. 3 (Hobbs "K" No. 2)**

**Jalmat (2985' - 3410', 22 Holes) / Langlie Mattix (3446' - 3589', 12 Holes)**

**M-2-23S-36E**

**Doyle Hartman**

<b>02/24/2004</b>	<b>02/24/2004</b>	<b>02/24/2004</b>	<b>02/24/2004</b>	<b>Jalmat</b>
<b>Total</b>	<b>Daily</b>	<b>Gas Prod.</b>	<b>Jalmat</b>	<b>Gas</b>
<b>Daily Gas</b>	<b>Gas Prod.</b>	<b>per Perf.</b>	<b>Daily</b>	<b>Production</b>
<b>Production</b>	<b>(mcfpd / perf)</b>	<b>Total</b>	<b>Gas Prod.</b>	<b>Allocation</b>
<b>(mcfpd)</b>		<b>Jalmat</b>	<b>(mcfpd)</b>	<b>(%)</b>
244	34	7.2	157.9	64.7
		22		

<b>02/24/2004</b>	<b>02/24/2004</b>	<b>02/24/2004</b>	<b>02/24/2004</b>	<b>Langlie Mattix</b>
<b>Total</b>	<b>Daily</b>	<b>Gas Prod.</b>	<b>Langlie Mattix</b>	<b>Gas</b>
<b>Daily Gas</b>	<b>Gas Prod.</b>	<b>per Perf.</b>	<b>Daily</b>	<b>Production</b>
<b>Production</b>	<b>(mcfpd / perf)</b>	<b>Total</b>	<b>Gas Prod.</b>	<b>Allocation</b>
<b>(mcfpd)</b>		<b>Langlie Mattix</b>	<b>(mcfpd)</b>	<b>(%)</b>
244	34	7.2	86.1	35.3
		12		

NORTH  
B

SOUTH  
B'

# Structural Cross-Section

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

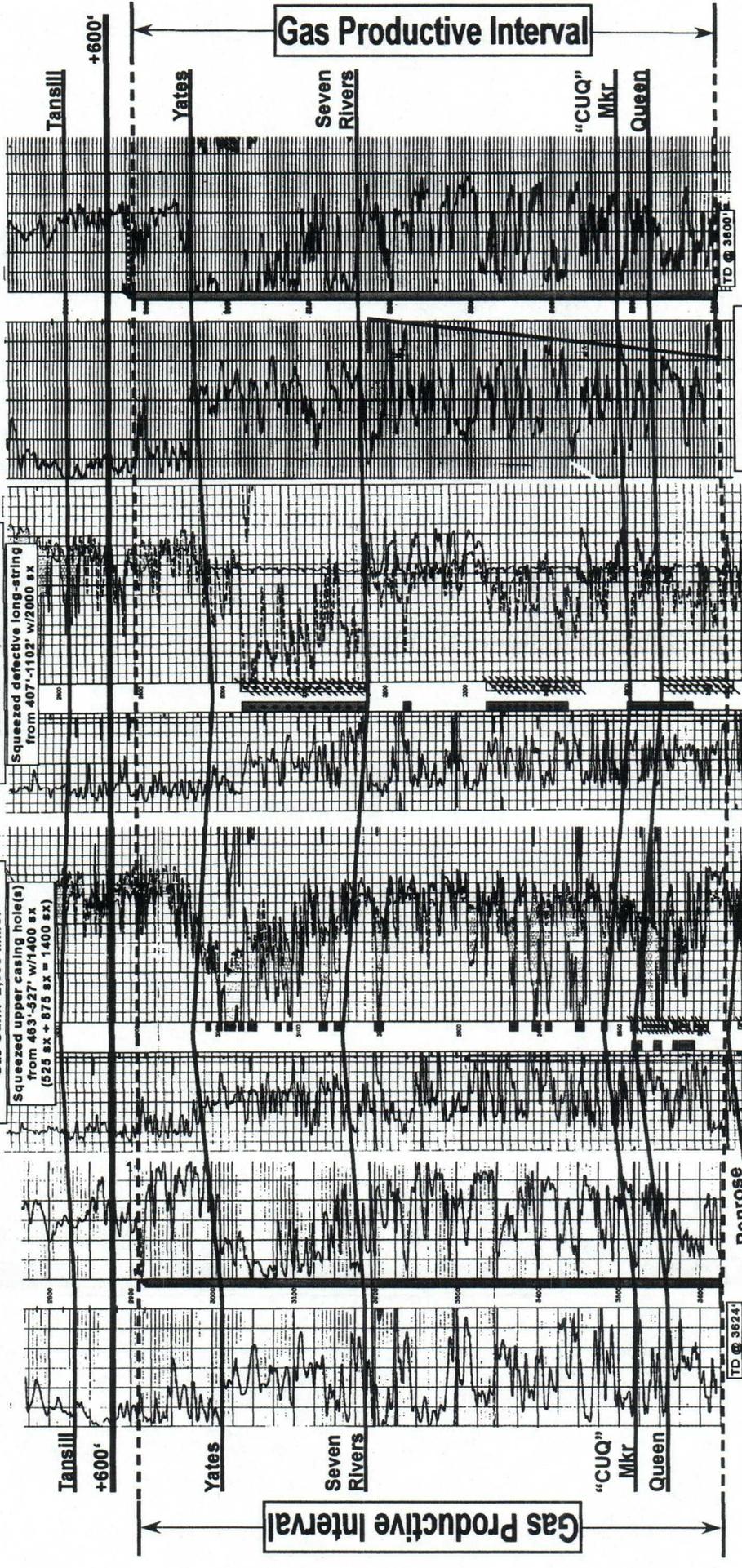
Doyle Hartman  
Mexico "E" Com No. 3  
(Hobbs "K" No. 2)  
M-02-23S-36E  
Comp. Date: 3-18-60  
Repair & Recomp. Date: 12-05-02  
Gas Cum: 2,099 MMCF

Squeezed upper casing hole(s)  
from 463'-537' w/1400 ex  
(525 ex + 875 ex = 1400 ex)

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 ex

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 = 816-855#  
SIP = 1205#  
Date: 9-28-51

PETD @ 3785'  
NTD @ 3800'

1 1/2" O. D.  
11.8 lbm/ft. P.U.L.  
@ 2895'-3800'  
w/1100 ex

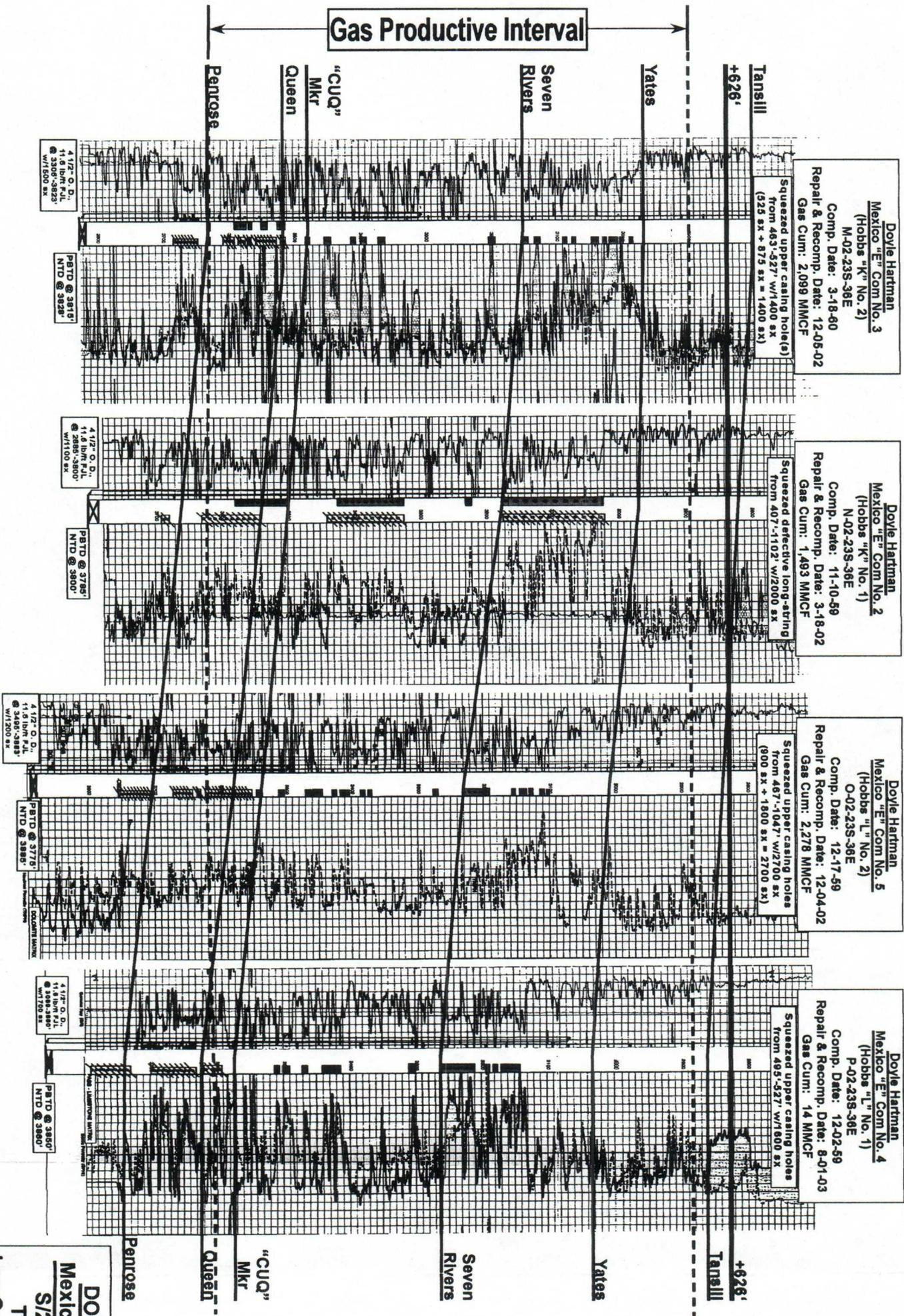
PETD @ 3816'  
NTD @ 3828'

1 1/2" O. D.  
11.8 lbm/ft. P.U.L.  
@ 3308'-3823'  
w/1500 ex

**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 Lease  
 S/2 S/2, Section 2  
 T-23-S, R-36-E  
 Lea County, New Mexico