

5-17-04 DATE IN	SUSPENSE	Catanach ENGINEER	5-11-04 LOGGED IN	DHC TYPE	Psem 0413230295 APP NO.
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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



**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** \_\_\_\_\_

**[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. St. Francis Dr., Santa Fe, NM 87505

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

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

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Jalmit (T-Y-7R)		Langlie 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 Gas 0.0 % 64.7 %	Oil Gas % %	Oil Gas 0.0 % 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 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

\* Formerly Hobbs "K" No. 2

Received 5/7/04

**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" Corn			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
<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill Y	<sup>14</sup> Consolidation Code C	<sup>15</sup> 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

16	<div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 150px;">02-23S-38E</div> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 200px;"> <b>Existing Jalmat (Gas) Proration Unit</b>          S/2 S/2 Section 2, T-23-S, R-36-E          Order No. R-424, 04/16/1954          (160 Acres)       </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 200px;"> <b>Infill Jalmat/LM (Gas) Well</b>          Mexico "E" Com No. 3          (Hobbs "K" No. 2)          660' FSL &amp; 660' FWL (M)          Section 2, T-23-S, R-36-E       </div> <div style="border: 1px solid black; padding: 5px; width: 200px;"> <b>TA'd Jalmat (Gas) Well</b>          Mexico "E" Com No. 1          660' FSL &amp; 1320' FEL (O)          Section 2, T-23-S, R-36-E       </div> </div> <div style="text-align: center; margin-top: 20px;"> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 200px;"> <b>Existing Jalmat/LM (Gas) Well</b>          Mexico "E" Com No. 2          660' FSL &amp; 1980' FWL (N)          Section 2, T-23-S, R-36-E       </div> <div style="border: 1px solid black; padding: 5px; width: 200px;"> <b>Infill Jalmat/LM (Gas) Well</b>          Mexico "E" Com No. 5          (Hobbs "L" No. 2)          660' FSL &amp; 1980' FEL (O)          Section 2, T-23-S, R-36-E       </div> <div style="border: 1px solid black; padding: 5px; width: 200px;"> <b>Infill Jalmat (Gas) Well</b>          Mexico "E" Com No. 4          (Hobbs "L" No. 1)          660' FSL &amp; 660' FEL (P)          Section 2, T-23-S, R-36-E       </div> </div> <div style="text-align: center; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 150px; margin: 0 auto;">11-23S-38E</div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>OPERATOR CERTIFICATION</b>          I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.       </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Signature          Steve Hartman       </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Printed Name          Engineer       </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Title          03/22/2004       </div> <div style="border: 1px solid black; padding: 5px;">         Date       </div>
		<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <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.       </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Date of Survey       </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Signature and Seal of Professional Surveyor:       </div> <div style="border: 1px solid black; padding: 5px;">         Certificate Number       </div>

\* 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

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State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ 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


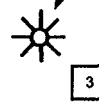
Surface Location

UL or lot no. M	Section 2	Township 23S	Range 36E	Lot Idn	Feet from the 660'	North/South line South	Feet from the 660'	East/West Line West	County Lea
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Bottom Hole Location If Different From Surface

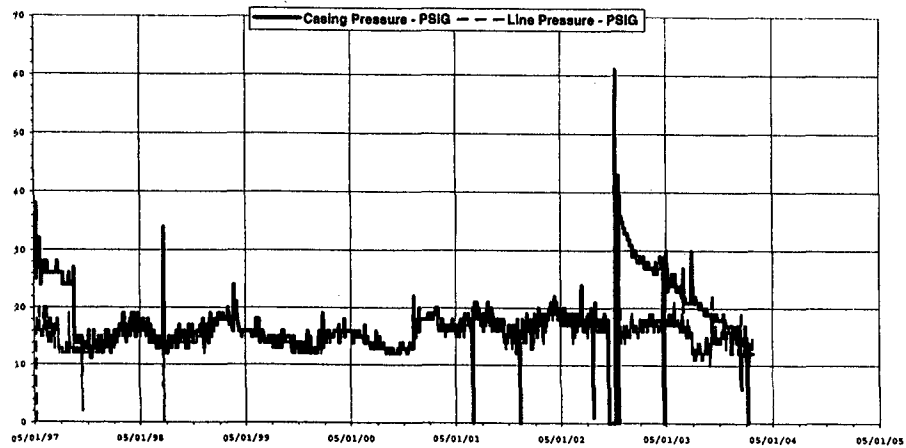
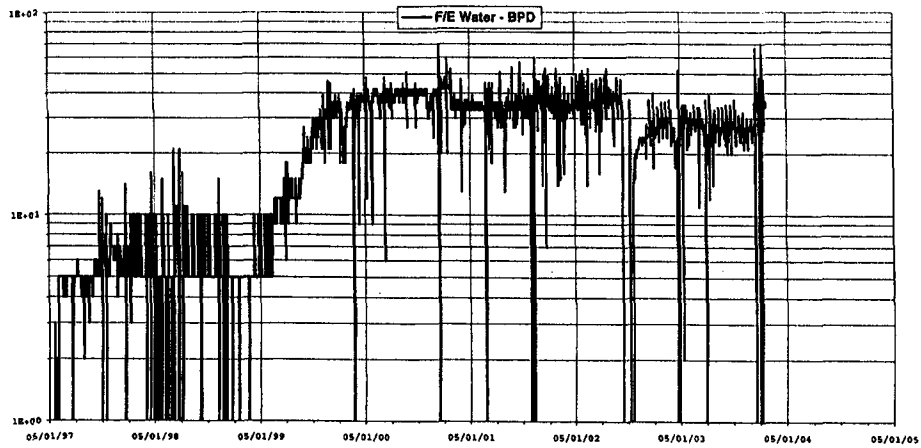
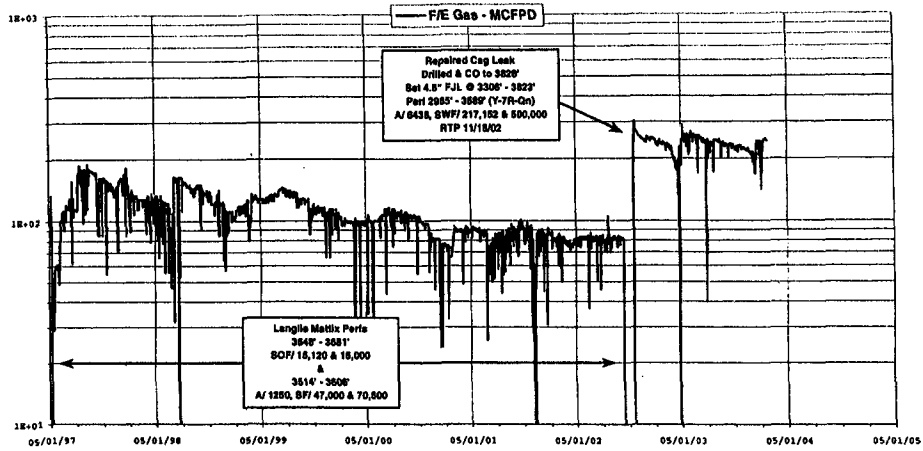
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.						

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	02-23S-36E	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   Signature Steve Hartman Printed Name Engineer Title 03/22/2004 Date
<div>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</div> 	11-23S-36E	

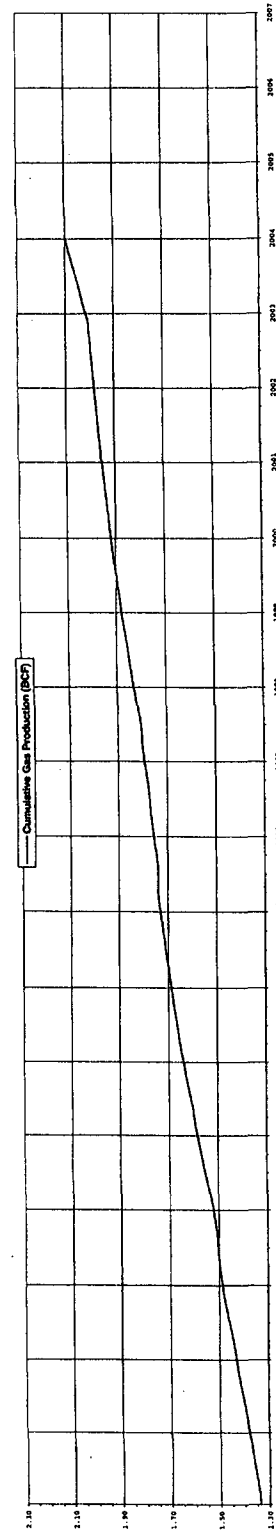
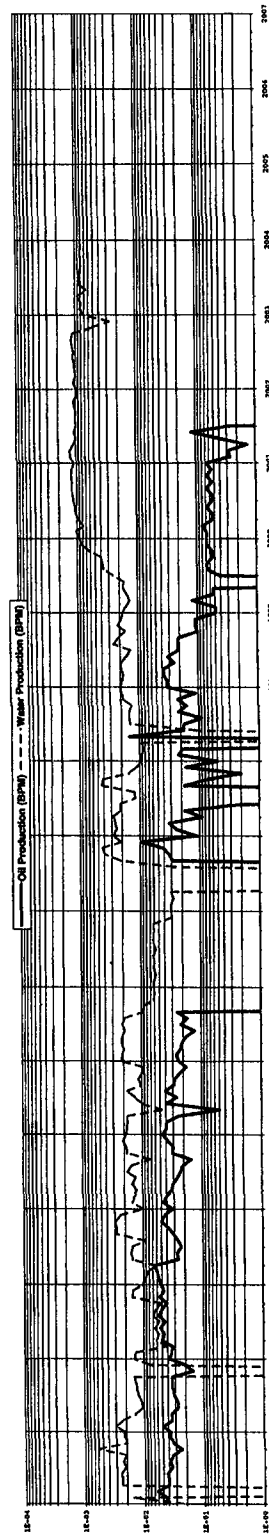
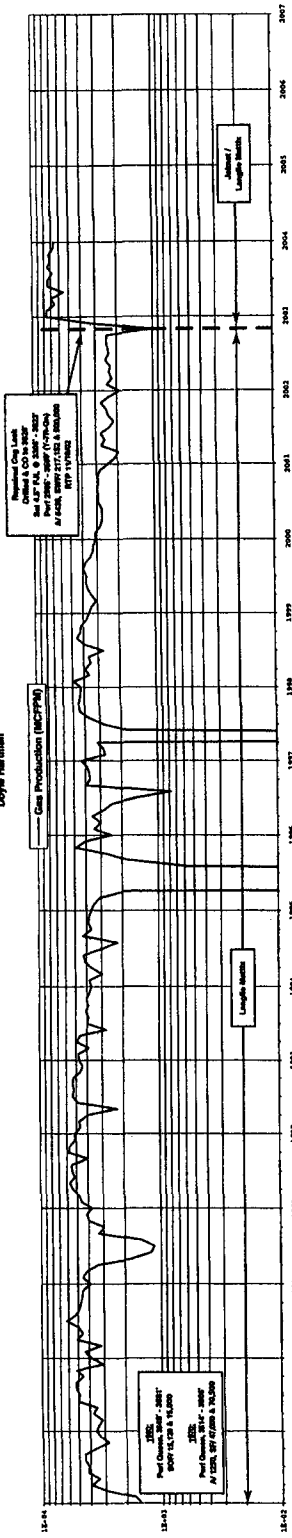
\* Formerly Hobbs "K" No. 2

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



02/24/04: 2.111 BCF 51.3 MBO

Hobbs K 62 (Mexico E Conn #3)  
Jalisco / Lugo de la Vega  
M-02-225-28E  
Doyle Hartman



**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**

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

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



NORTH

B

# Structural Cross-Section

SOUTH

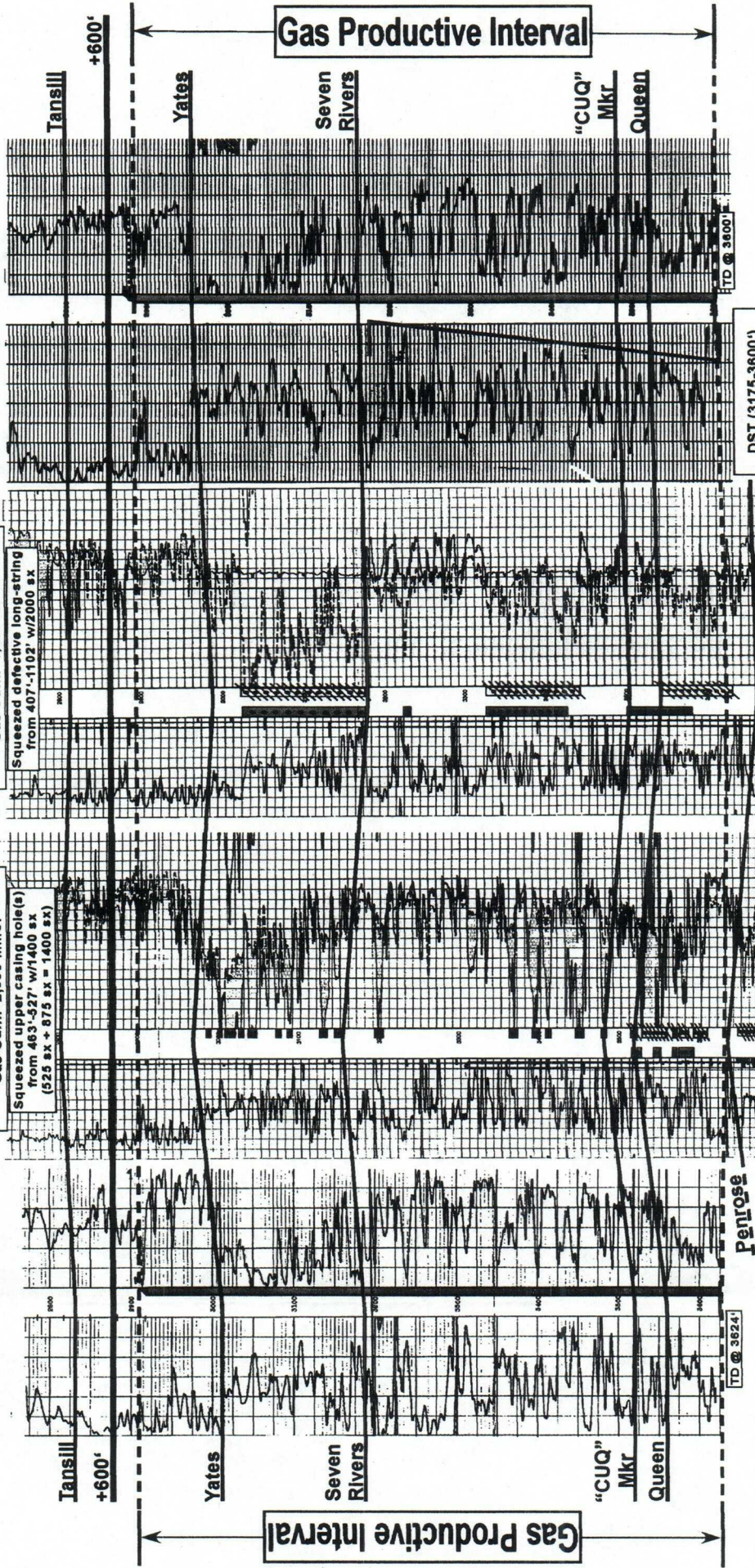
B'

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

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

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



TD @ 3524'

Penrose

4 1/2" O. D.  
11.8 lbm ft. P.U.L.  
@ 3308'-3823'  
w/1500 ex

PSTD @ 3816'  
NTD @ 3828'

4 1/2" O. D.  
11.8 lbm ft. P.U.L.  
@ 2885'-3800'  
w/1100 ex

PSTD @ 3785'  
NTD @ 3800'

DST (3175-3600')  
F = 4,920 MCF  
FP = 815-855#  
SIP = 1205#  
Date: 9-26-51

TD @ 3800'

**DOCUMENTED GAS PRODUCTIVE INTERVAL**

Sections 2, 3 & 11  
T-23-S, R-36-E

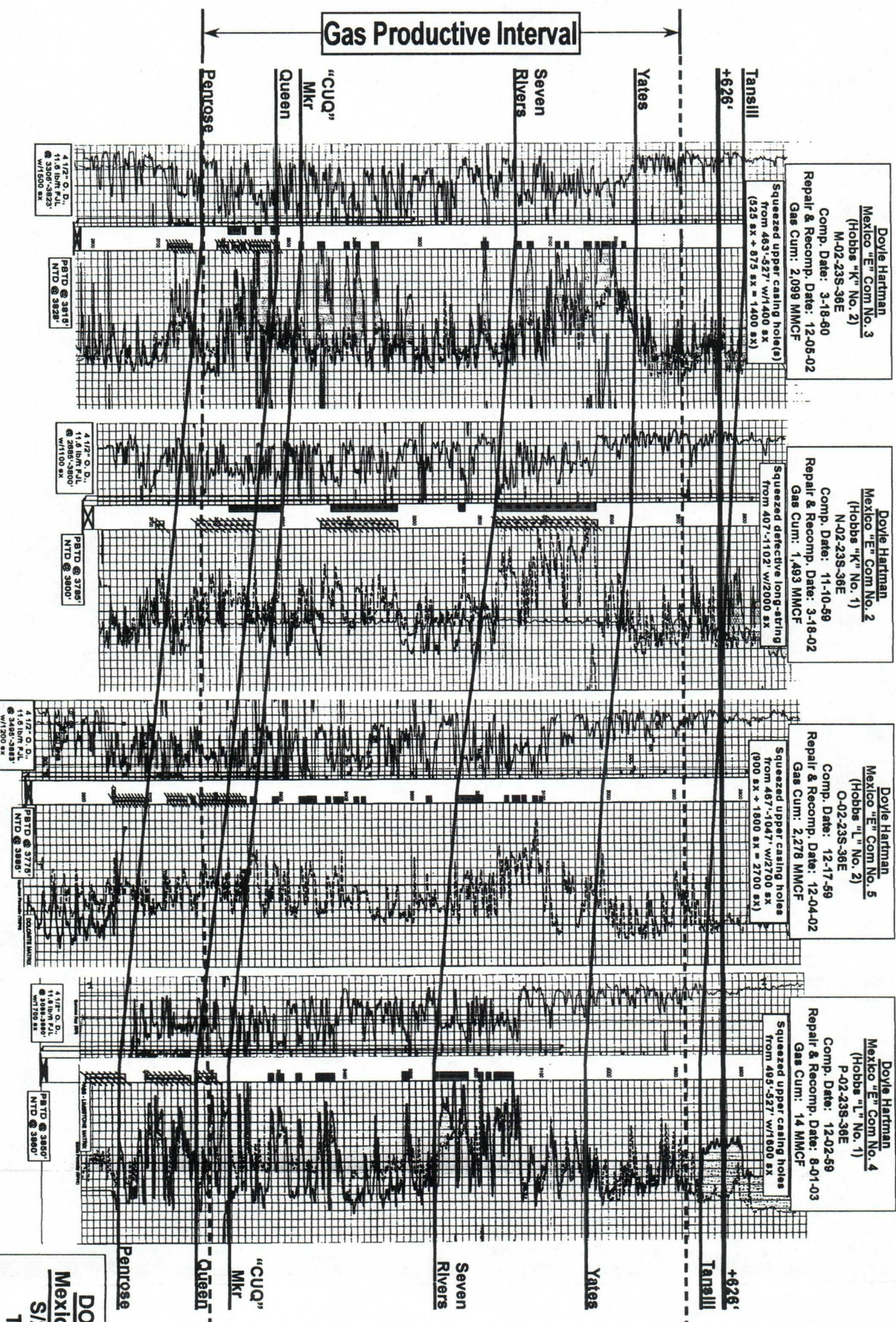
Lea County, New Mexico



West  
C

Structural Cross-Section

East  
C



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