

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-025-10049

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

2678

7. Lease Name or Unit Agreement Name

Mark

8. Well Number

5

9. OGRID Number

4323

10. Pool name or Wildcat

Tubb Oil & Gas/Drinkard

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Chevron U.S.A. Inc.

3. Address of Operator

15 Smith Road Midland, TX 79705

4. Well Location

Unit Letter **A** : **660** feet from the **North** line and **660** feet from the **East** line
Section **3** Township **22S** Range **37E** NMPM County **LEA**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3392' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **DHC Tubb Oil & Gas w/ Drinkard**

☒

OTHER:

☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

UNDER THE PROVISIONS OF RULE 303 C (5), IT IS PROPOSED TO DOWNHOLE COMMINGLE PRE-APPROVED POOLS, TUBB OIL & GAS (PERFS 5870'-6060') AND DRINKARD (PERFS 6259'-6416') IN THE CAPTIONED WELL. CURRENTLY, PRODUCTION FROM BOTH ZONES IS OFF THE EXPECTED DECLINE DUE TO IRON & PARAFFIN PROBLEMS. A DHC WILL INCREASE PRODUCTION RATES DUE TO BETTER DRAWDOWN AND REDUCE OPERATIONS COSTS & DOWNTIME. PRODUCTION WILL BE ALLOCATED BACK TO THE TWO POOLS BASED ON THE PERCENTAGES SHOWN IN THE ATTACHED SUPPORT DATA.

DHC Order No. HOB-0103

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Keith Lopez

TITLE

PETR. ENGINEER

DATE

01/04/2005

Type or print name

E-mail address:

Telephone No.

For State Use Only

PETROLEUM ENGINEER

APPROVED BY:

[Signature]

TITLE

DATE

JAN 14 2005

Conditions of Approval (if any):

REQUEST FOR EXCEPTION TO RULE 303-A
FOR WELLS LOCATED IN PRE-APPROVED POOLS OR AREAS

Operator

Chevron U.S.A., Inc.
15 Smith Road
Midland, TX 79705

Lease Name and Well Number

Mark #5
660' FNL & 660' FEL, Unit Letter A
Section 3, T22S, R37E
Lea County, New Mexico

Division Order

Pre-approved pools or area established by Division Order No. R-11363.

Pools To Be Commingled In Mark #5

(60240) Tubb Oil & Gas (Oil)
(19190) Drinkard (Gas)

Perforated Intervals

Tubb (5870'-6060') (Wellbore diagrams attached)
Drinkard (6259'-6416')

Location Plat

Attached

Well Test Report & Production Plots

Attached.

Product Characteristics And Value

Previous commingling of these zones by Chevron and other operators in the area have shown that the produced fluids are compatible and commingling will not cause formation damage or producing problems. Also, the price received by Chevron for products from these zones is very similar, so value will not be adversely affected.

Production Allocation

<u>Pool</u>	<u>BOPD</u>	<u>BWPD</u>	<u>MCFPD</u>	<u>Estimation Method</u>
Tubb	0.5	0.5	70	PI production report 1/2005
Drinkard	0.5	0.5	108	PI production report 1/2005
Totals	1	0	178	

<u>Allocated %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Gas %</u>	<u>Remarks</u>
Tubb	50.00	50.00	39.00	Calculated using above production volumes.
Drinkard	50.00	50.00	61.00	Calculated using above production volumes.
Totals	100.00	100.00	100.00	

Ownership

Ownership of all zones is identical so correlative rights will not be compromised.

State / Federal Land Notification

Well is on a fee lease.

Well: Mark #5

Field: Tubb/Drinkard

Reservoir: Tubb/Drinkard

Location:

660' FNL & 660' FEL
 Section: 3 (NE/4 NE/4)
 Township: 22S
 Range: 37E Unit: A
 County: Lea State: NM

Elevations:

GL: 3392'
 KB: 3405'
 DF:

Log Formation Tops

Queen	3308
Penrose	3432
Grayburg	3664
San Andres	3860
Glorieta	5016
Blaine	5477
Tubb	5923
Drinkard	6257

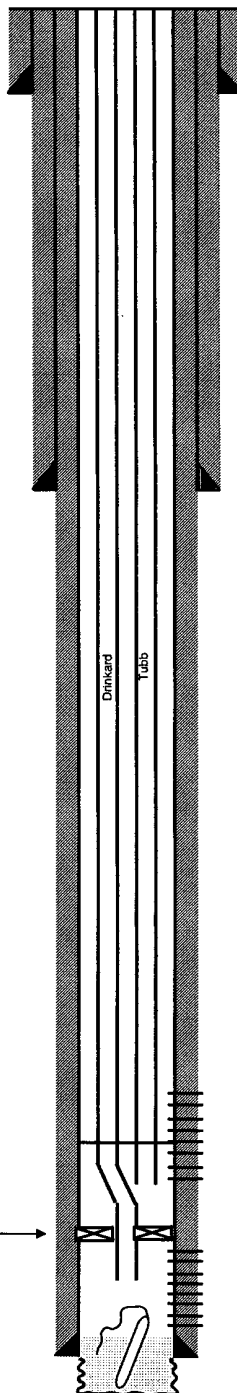
TUBING DETAIL - 9/1/82

- 1 Baker model D pkr @ 6200'
 Baker model C-1 recepticle
 Baker anchor seal assembly
 3jts 2 3/8" tbg
 1 SN
 1jt 2 3/8" tbg
 1 circ valve
 1jt 2 3/8" tbg
 1 bull plug

Baker Model D pkr @ 6200'

Sand pump w/ 15' of line @ 6409'

COTD: 6521'
 PBTD: 6521'
 TD: 6521'

Current Wellbore Diagram

By: W.P. Johnson

Well ID Info:

Chevron: FB1059
 API No: 30-025-10049
 L5/L6: U41 / 0600 ; U47 / 0400
 Spud Date: 5/30/47
 Rig Released: 7/27/47
 Compl. Date: 7/27/47

Surface Csg: 13 3/8" 48# H-40**Set:** @ 300' w/ 300 sx Neat cmt**Hole Size:** 17 1/4"**Circ:** Yes **TOC:** Surface**TOC By:** Circulation**Initial Completion:**

7/27/47 Drinkard OH6455-6521 ; A/500 gal 15% HCL

Subsequent Work

2/16/52 A/2000 gal 15% NE (Drinkard)

5/17/56 F/10000 gal & 10000# sd (Drinkard)

Perf (Tubb) 5870-80, 5900-20, 5930-65, 5993-6003, 6025-60

A/4000 gal 15% NE ; ReA/8000 gal 15% NE ; Dual Completion

12/16/64 Blaine & Tubb condensate commingled (R-1670)

6/74 Pushed pkr to TD (6521) ; Perf 6259-61, 6290-92, 6340-42,

6364-66, 6414-16 ; F/35000 gal & 70000# 20/40 sd ; Line parted

left sd pmp & 15' of sd line in hole (4 1/2" x 28' sd pmp @ 6409')

Intermediate Csg: 9 5/8" 36#**Set:** @ 2900' w/ 1300 sx (1200 sx 2% & 100 sx neat)**Hole Size:** 12 1/4"**Circ:** No **TOC:** 1435'**TOC By:** Temperature survey**Prod. Csg:** 7" 23# N-80 (830' bttm) & J-55 (5637' top)**Set:** @ 6455' w/700 sx (575 sx 2% & 125 sx neat) cmt**Hole Size:** 8 3/4"**Circ:** No **TOC:** 2945'**TOC By:** Temperature survey**Perfs**

5870-80
 5900-20
 5930-65
 5993-6003
 6025-60

Status

Tubb - open
 Tubb - open
 Tubb - open
 Tubb - open
 Tubb - open

6259-61
 6290-92
 6340-42
 6364-66
 6414-16

Drinkard - open
 Drinkard - open
 Drinkard - open
 Drinkard - open
 Drinkard - open

OH6455-6521

Drinkard - 20/40 frac sd to 6435'

Updated: 9-28-04 by WAYN

Well: Mark #5

Field: Tubb/Drinkard

Reservoir: Tubb/Drinkard

Location:

660' FNL & 660' FEL
Section: 3 (NE/4 NE/4)
Township: 22S
Range: 37E Unit: A
County: Lea State: NM

Elevations:

GL: 3392'
KB: 3405'
DF:

Log Formation Tops

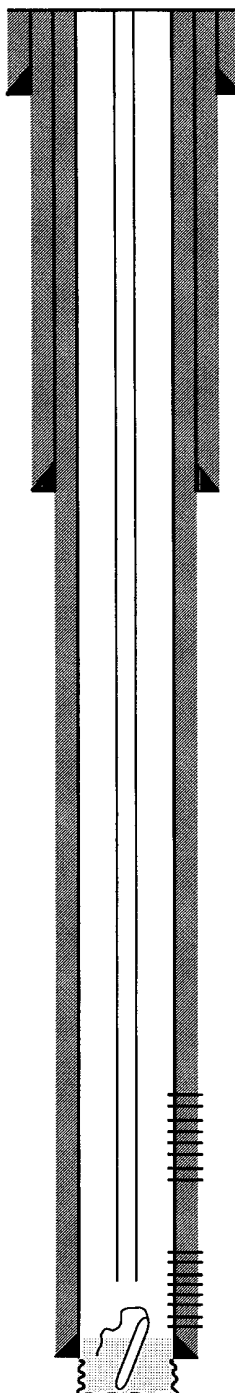
Queen	3308
Penrose	3432
Grayburg	3664
San Andres	3860
Glorieta	5016
Blaine	5477
Tubb	5923
Drinkard	6257

TUBING DETAIL -

COTD: 6521'
PBD: 6521'
TD: 6521'

Updated: 01/04/2005 - LOPK

**Proposed
Wellbore Diagram**



By: Keith Lopez

Well ID Info:

Chevron: FB1059
API No: 30-025-10049
L5/L6: U41 / 0600 ; U47 / 0400
Spud Date: 5/30/47
Rig Released: 7/27/47
Compl. Date: 7/27/47

Surface Csg: 13 3/8" 48# H-40

Set: @ 300' w/ 300 sx Neat cmt

Hole Size: 17 1/4"

Circ: Yes TOC: Surface

TOC By: Circulation

Initial Completion:

7/27/47 Drinkard OH6455-6521 ; A/500 gal 15% HCL

Subsequent Work

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TOC By: Temperature survey

Prod. Csg: 7" 23# N-80 (830' bttm) & J-55 (5637' top)

Set: @ 6455' w/700 sx (575 sx 2% & 125 sx neat) cmt

Hole Size: 8 3/4"

Circ: No TOC: 2945'

TOC By: Temperature survey

Perfs

5870-80
5900-20
5930-65
5993-6003
6025-60

Status

Tubb - open
Tubb - open
Tubb - open
Tubb - open
Tubb - open

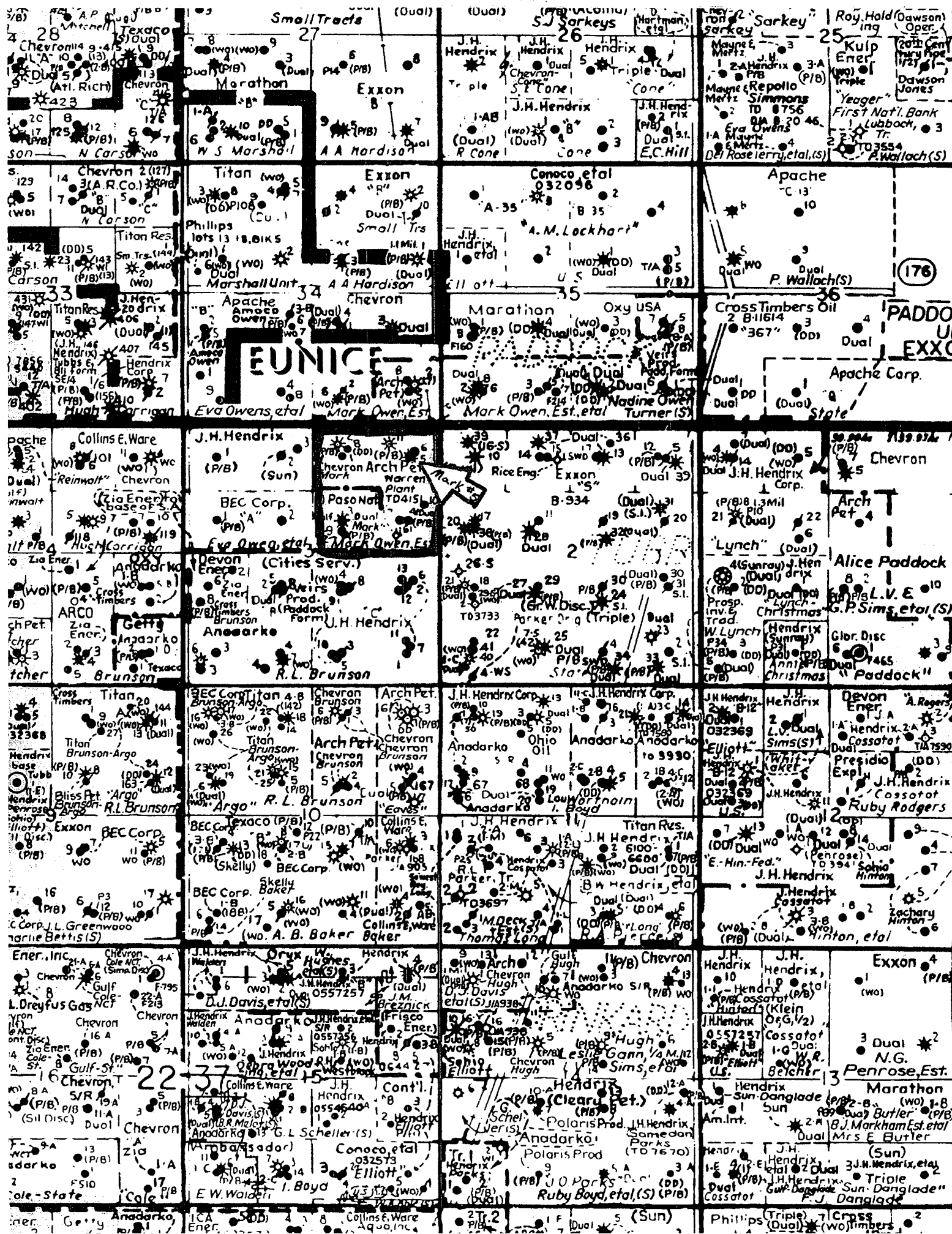
6259-61
6290-92
6340-42
6364-66
6414-16

Drinkard - open
Drinkard - open
Drinkard - open
Drinkard - open
Drinkard - open

OH6455-6521

Drinkard - 20/40 frac sd to 6435'

Sand pump w/ 15' of line @ 6409'



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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

District II
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-10049	² Pool Code 60240	³ Pool Name Tubb Oil
⁴ Property Code 2678	⁵ Property Name Mark	⁶ Well Number 5
⁷ OGRID No. 4323	⁸ Operator Name Chevron U.S.A., Inc.	⁹ Elevation 3392'

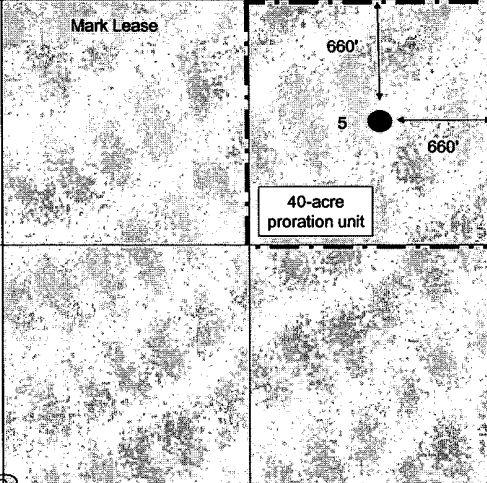
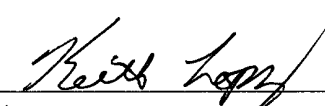
¹⁰ Surface Location

UL or Lot No. A	Section 3	Township 22S	Range 37E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line East	County Lea
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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 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

3		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Keith Lopez Printed Name Petr. Engineer Title January 4, 2005

District I
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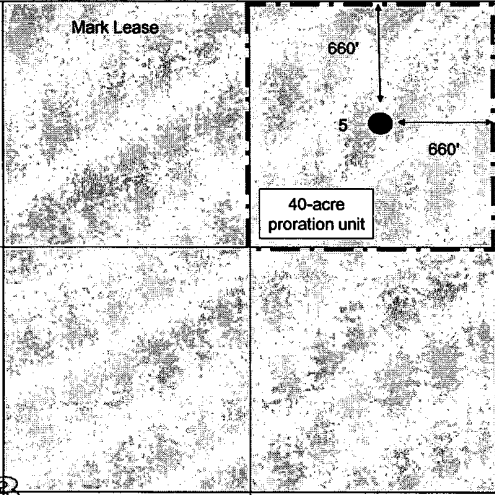
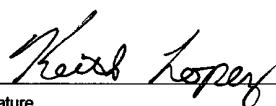
¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	3	22S	37E		660	North	660	East	Lea

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
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NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

3		17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Keith Lopez Printed Name Petr. Engineer Title January 4, 2005	
			18 SURVEYOR CERTIFICATION <i>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.</i> Signature and Seal of Professional Surveyor: Certificate Number

WELL TEST REPORT												
Lease: MARK				Field: FLD-TUBB OIL & GAS				Reservoir: TUBB				
Well: 5T DUAL				Field Code: U47				Resv Code: 0000009303				
				Unique Code: PU470400				Battery: MARK #2				
				Wellbore: 047289				API No: 300251004900				
Test Date	BOPD	BWPD	MCFPD	Tbg PSI	GOR	% Oil	Comp No.	Status	Remarks	Fluid Level	Fld Lvl Date	BTFPD
	0	0	0	50			02	PL				
	0	0	0	50			02	PL			7/14/99	
	0	0	0				01	PL				
	0	0	0	40			01	PL			7/14/99	
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7/28/04	1	0	80	50	80000	100.0	02	PL			7/14/99	1
7/28/04	1	0	85	40	85000	100.0	01	PL			7/14/99	1
6/20/04	1	1	81	50	162000	50.0	02	PL			7/14/99	1
6/19/04	1	1	98	40	196000	50.0	01	PL			7/14/99	1
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12/7/03	0	0	99	40	#DIV/0!	#####	01	PL			7/14/99	0
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5/24/03	1	0	108	50	216000	100.0	02	PL			7/14/99	1
5/24/03	1	0	140	40	280000	100.0	01	PL			7/14/99	1
4/23/03	1	0	92	50	184000	100.0	02	PL			7/14/99	1
4/23/03	1	0	105	40	210000	100.0	01	PL			7/14/99	1
2/18/03	1	0	172	40	344000	100.0	01	PL			7/14/99	1
2/16/03	1	0	95	50	190000	100.0	02	PL			7/14/99	1
1/22/03	1	0	101	50	101000	100.0	02	PL			7/14/99	1
1/22/03	1	0	105	40	105000	100.0	01	PL			7/14/99	1
12/4/02	1	0	76	50	76000	100.0	02	PL			7/14/99	1
12/4/02	2	0	135	40	67500	100.0	01	PL			7/14/99	2
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12/4/02	1	0	76	50	76000	100.0	02	PL			7/14/99	1
11/28/02	1	0	83	50	83000	100.0	02	PL			7/14/99	1
11/28/02	2	0	137	40	68500	100.0	01	PL			7/14/99	2
10/16/02	2	0	113	40	56550	100.0	01	PL			7/14/99	2
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8/18/02	1	1	146	40	292520	50.0	01	PL			7/14/99	1
7/22/02	1	1	134	40	267160	50.0	01	PL			7/14/99	1
7/18/02	1	1	107	50	214500	50.0	02	PL			7/14/99	1
6/6/02	1	2	132	40	263260	20.0	01	PL			7/14/99	3
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3/8/02	1	1	153	40	306160	50.0	01	PL			7/14/99	1
2/11/02	1	1	161	40	160880	66.7	01	PL			7/14/99	2
2/4/02	1	1	95	50	94580	66.7	02	PL			7/14/99	2
1/23/02	1	1	163	40	162830	66.7	01	PL			7/14/99	2
1/18/02	1	1	95	50	94580	66.7	02	PL			7/14/99	2
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Rate/Time Graph

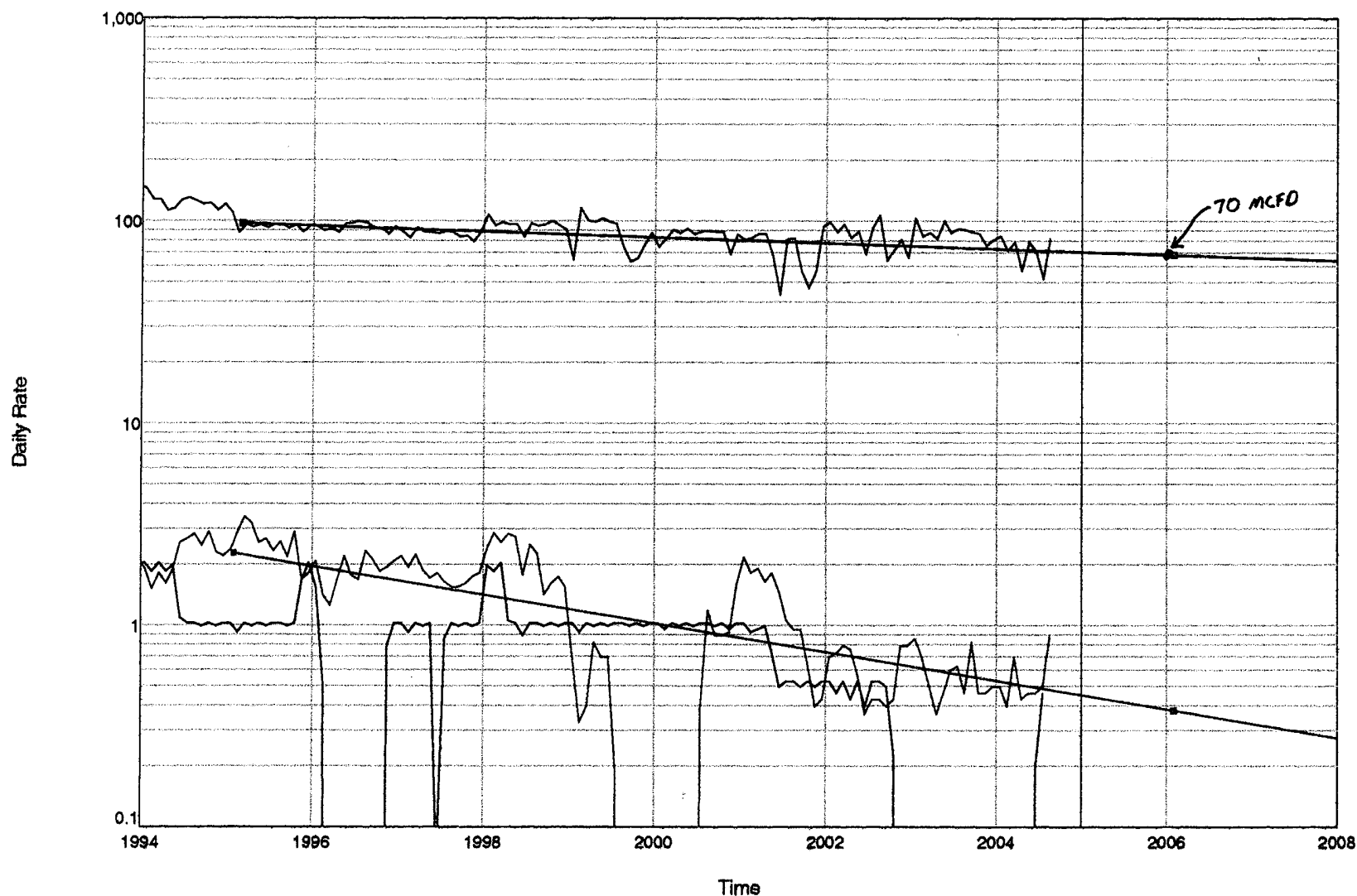
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Date: 1/4/2005
Time: 10:36 AM

Lease Name: MARK (5)
County, ST: LEA, NM
Location: 3 22S 37E

Operator: CHEVRON U S A INCORPORATED
Field Name: TUBB

TUBB MARK (5) MARK 4,267,804 mcf 72,937 bbl



Rate/Time Graph

Project: C:\Program Files\IHS Energy\PowerTools v6.0\keith.mdb

Date: 1/4/2005

Time: 10:37 AM

Lease Name: MARK (5)

County, ST: LEA, NM

Location: 3 22S 37E

Operator: CHEVRON U S A INCORPORATED

Field Name: DRINKARD

DRINKARD MARK (5) MARK 4,911,047 mcf 247,528 bbl

