



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

4/7/97

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

GOVERNOR

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DIAC-1481

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

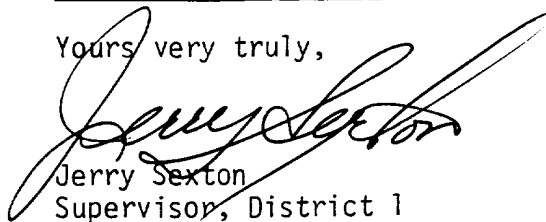
I have examined the application for the:

Wiser Oil Co Renewalt B # 1-D 4-22s-37e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,


Jerry Sexton
Supervisor, District 1

/ed

THE WISER OIL COMPANY
8115 PRESTON ROAD, SUITE 400, DALLAS, TX 75225
(Phone) 214-265-0080
(Fax) 214-373-3610

March 31, 1997

Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505-6428

✓ Oil Conservation Division
P. O. Box 1980
Hobbs, NM 88240

State Land Department
P. O. Box 1148
Santa Fe, NM 87504-1148

Re: Rinewalt B - Dual Compl.
Blinebry/Tubb zones
API # 30-025-10044
D 04 22S 37E
Lea County, NM

Attn: Downhole Commingling Department

The Wiser Oil Company as operator of the captioned well in Lea County, New Mexico, hereby requests permission to downhole commingle all production from same. We understand that commingling for these zones has been approved for other operators. Following is a list of attachments:

C107 A
Map of Location
Downhole Schematic
C102 for Blinebry & Tubb zones
C116 for Blinebry & Tubb zones
Production curve for Blinebry & Tubb zones

Blinebry/Tubb Downhole Commingling
Page 2

Allocation Formula
Value Formula
Notification list

The Blinebry zone is currently testing at 24 Mcfd and is uneconomic. The plunger lift on this tubing string will be used to artificially lift both zones economically. We are selling all gas production to Texaco under the same ten year contract. We are paid 90% residue, 40% liquid of weighted average resale price. BTU's should not change significantly with commingling. We do not expect any crossflow. Commercial production should not decrease. Allocation of production will be based on current well tests.

No pressures have been recorded on either the Blinebry or Tubb formation in the subject well. If allowed to commingle the two zones, a dip-in pressure bomb would be run to determine the commingled bottom-hole pressure (to aid in designing the plunger lift for both zones). As these are marginal wells, we would ask for relief from performing BHP testing before commingling the zones.

Please let us know as soon as possible if you require any additional information.

Yours very truly,


Susan Hopper

S/s

DISTRICT I

P.O. Box 1880, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 Rio Grande Rd., Artesia, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-8428Form C-107-A
New 3-12-86

APPROVAL PROCESS

___ Administrative ___ Hearing

EXTING WELLBOR

___ YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

The Wiser Oil Company

3115 Preston Rd., Ste 400, Dallas, TX 75225

Rinewalt B

D 04 22S 37E

Lea

County

OGRID NO. 139036 Property Code 16243/16234 PI NO. 30-025-10044

Spacing Unit Lease Types: (check 1 or more)
Federal ___ State ☒ (and/or) Fee ☒

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Blinebry		Tubb
2. Top and Bottom of Pay Section (Perforations)	5661-5903'		6060-6150'
3. Type of production (Oil or Gas)	Gas/Condensate		Gas
4. Method of Production (Flowing or Artificial Lift)	Plunger Lift		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) N/A b. (Original) N/A (see attached)	a. b.	a. N/A b. N/A (see attached)
6. Oil Gravity (°API) or Gas STU Content	1199		1177
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give 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: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: see attached C116	Date: Rates:	Date: Rates: see attached C116
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas: %	Oil: % Gas: %	Oil: % Gas: %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ___ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ___ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ___ No11. Will cross-flow occur? ___ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ___ Yes ___ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ___ No13. Will the value of production be decreased by commingling? ___ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ___ No

15. NMOCD Reference Cases for Rule 303(C) Exceptions: ORDER NO(S) _____

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 all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Agent DATE 4/1/97TYPE OR PRINT NAME Susan Hopper TELEPHONE NO. (214) 360-3522

Date: 3/14/97

Operator: THE WISER OIL Co.
 Well: RINEWALT "B" #1
 Field: BLINEBRY / TUBB BRUNSON POOL
 County, State: LEA CO NM

TWO STATES

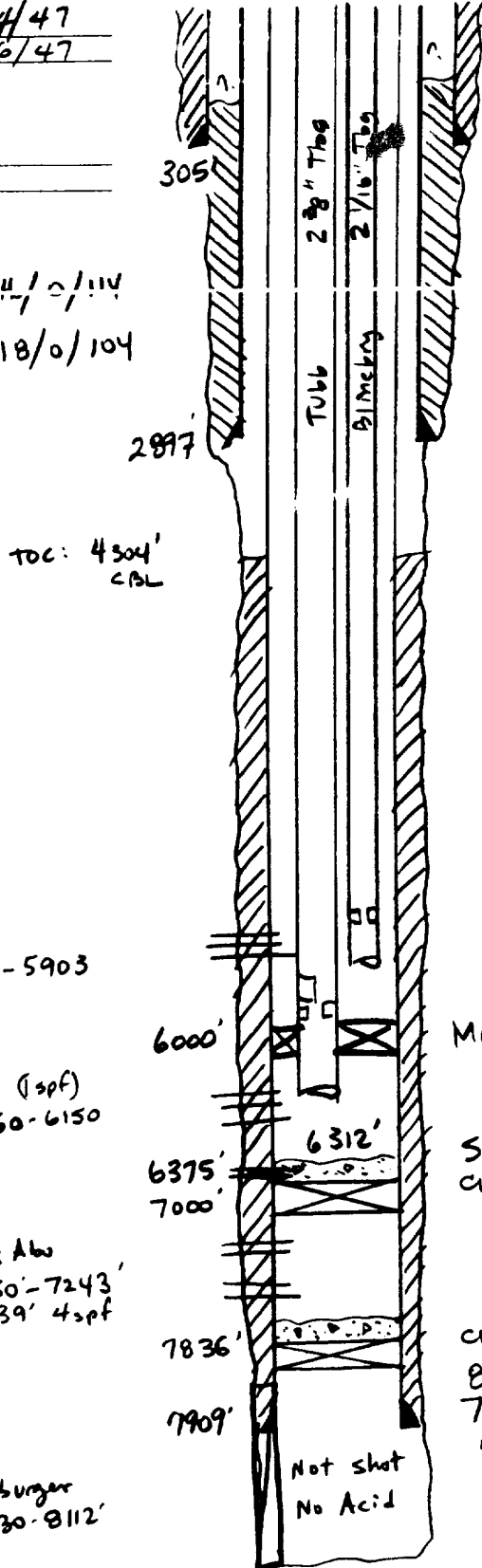
Spud Date: 4/47
 Cmpl Date: 6/47

NRI: _____
 WI: _____

'77 R 114/0/114
 '60 IP 118/0/104

660' FNL + 990' FNL
 Sec 4, T 22S, R 37E

GL: 3453'
 KB: DF 3463'
 Logs:
 Temp Log
 TOC 6450' ?
 8/60 GRN
 5/65 CAL



17 1/2\"/>

12 1/4\"/>

Tub 2 3/8\"/>

Blincbry 2 1/16\"/>

7/65 Blincbry
 5661-5903

1/72 Tub 1 spf
 6060-6150

1/60 wantz Abu
 7150-7243'
 39' 4 spf

1/47 Ellenburger
 7930-8112'

PBTD: 7836 6312'
 TD: 8114'

6/47 Ellenburger 10 # 114/0/114 10/64 cluster (DOT # 7875-8114'

8/60 Set CIBP at 7836' + 10sx. Perf Wantz Abu. Acid 1000g 15% + 8000g 15%
 IP F 118/0/104 16/w 760psi

5/65 Set CIBP at 7000'. Sazed at 6375' w/ 420sx. Perf Blincbry. Acid 1500sx
 Frac Blincbry w/ 30,000 g oil + 30,000 # sand.

4/72 Perf Tub 1 Acid w/ 500 gal 15% + 3,000 g Resol Acid into Blincbry.
 Frac Tub w/ 30,000 g brine + 30,000 # sand + rock salt

489 Plunger Problems.

GRP

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 10044		Code 06660	Pool Name Blinebry Oil & Gas
Property Code 16243	Property Name Wm. M. Rinewalt		Well Number 1-B
OGRID No. 2639630 139036	Operator Name The Wiser Oil Company		Elevation 3453

¹⁰ Surface Location

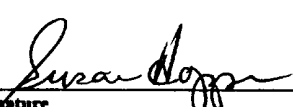
UL or lot no. D	Section 4	Township 22-S	Range 37-E	Lot Idn	Feet from the 660	North/South line North	Feet from the 990	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶					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 Susan Hopper Printed Name Agent Title 214/360-3522 Date
					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> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

Submit 2 copies to Appropriate
District Office

DISTRICT I

P. O. Box 1980, Hobbs, NM 88240

DISTRICT II

P. O. Box DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATIONS DIVISION

P. O. Box 2088
Sante Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator	The Wiser Oil Company	Pool	Blineby	County	Lea										
Address		8115 Preston Rd., Ste 400, Dallas, TX 75225		Type of Test - (X)											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	Completion <input type="checkbox"/>			Special <input checked="" type="checkbox"/>		GAS-OIL RATIO CU. FT/BBL
		U	S	T						R	WATER BBL	PROD. DURING TEST	GAS M.C.F.		
Rinewalt B	1 D	4	22	37	02/14/97	F	Open	130	Marg	24	0	39	1.5	24	16

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding to top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a Temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure of any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

Susan Hopper

Printed name and title

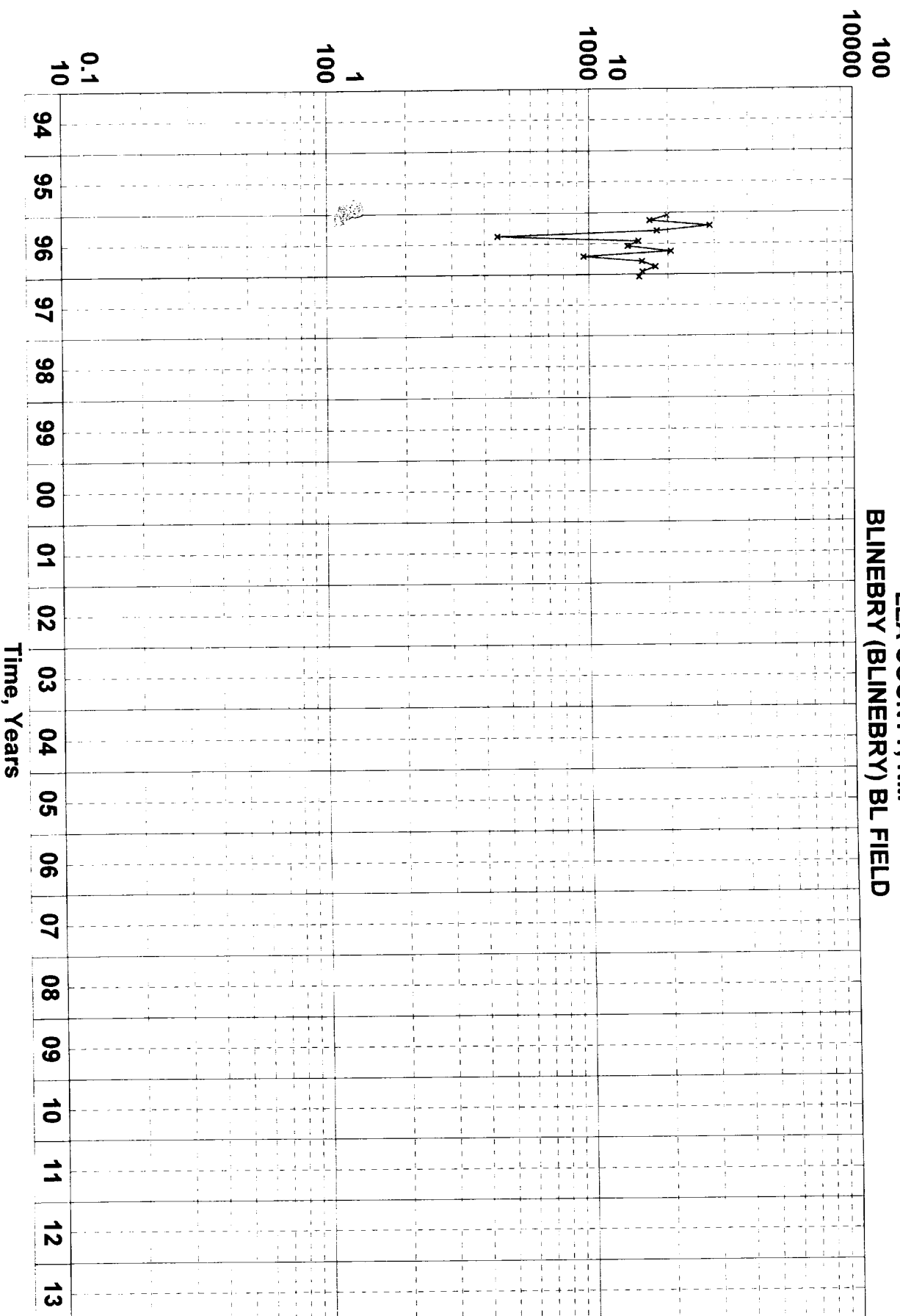
4/1/97

Date

214/340-3522

Telephone No.

RINEWALT 1
LEA COUNTY, NM
BLINEBRY (BLINEBRY) BL FIELD



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 10044		Pool Code 86440	Pool Name Tubb Oil & Gas
Property Code 16234	Property Name Wm. M. Rinewalt		Well Number 1
OGRID No. 2639730 139036	Operator Name The Wiser Oil Company		Elevation 3453

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
D	4	22-S	37-E		660	North	990	West	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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSP-881
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¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Susan Hopper Printed Name Agent Title 214/360-3522 Date			
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	Certificate Number			

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1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATIONS DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator		Pool		County		Lea																									
The Wiser Oil Company		Tubb Oil & Gas (Oil)																													
8115 Preston Rd., Ste 400, Dallas, TX 75225		Type of Test - (X)		Completion		Special																									
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TUBG PRESS.		DAILY ALLOW-ABLE		LENGTH OF TEST HOURS		WATER BBLs		PROD. DURING TEST		GAS-OIL RATIO											
		U		S		T		R																							
Rinewalt B		1		D		4		22		37		02/14/97		P		Open		315		Marg		24		0		<1		90		N/A	

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding to top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

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(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

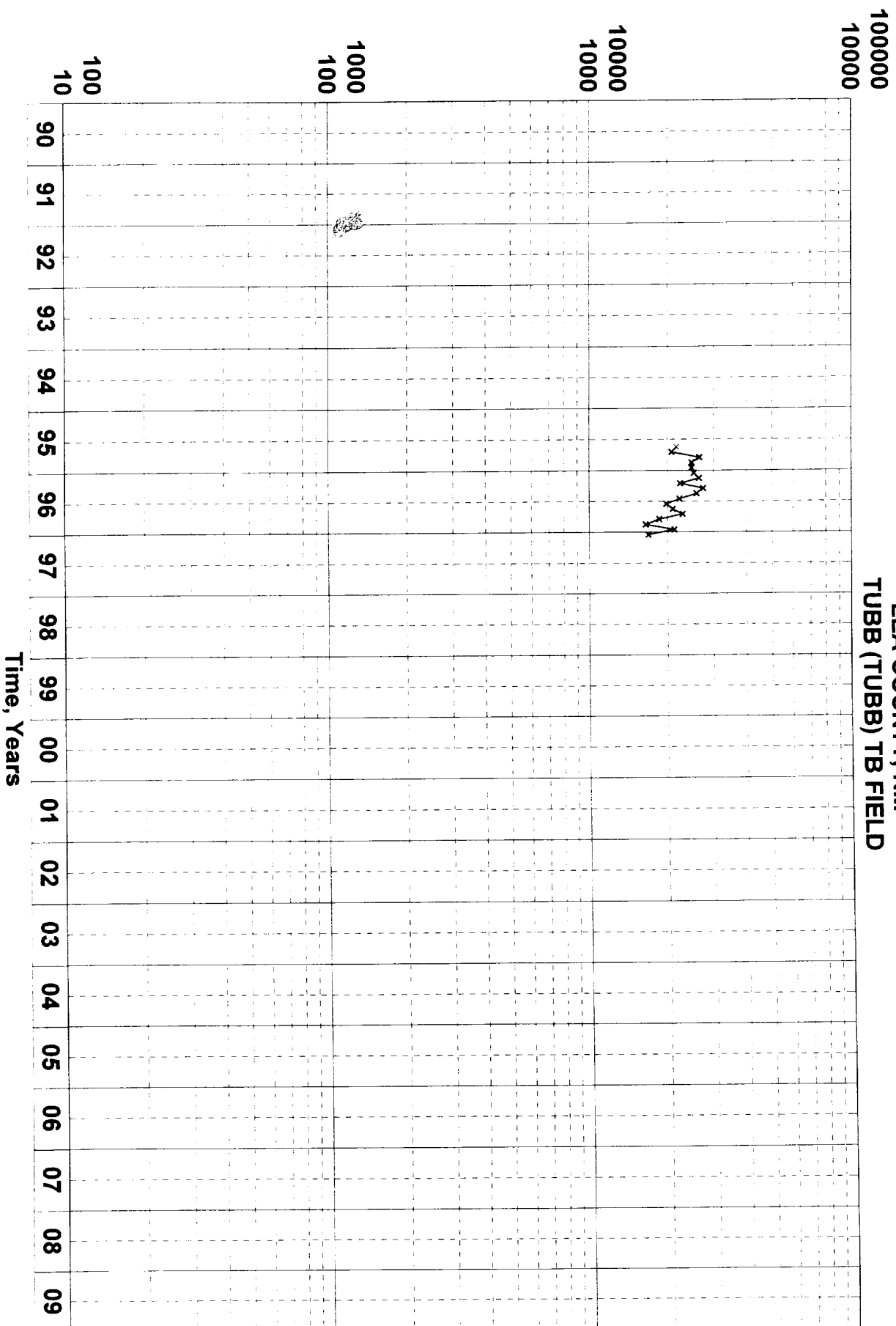
Susan Hopper, Production Administrator

Printed name and title

Date

214/360-3522
Telephone No.

RINEWALT B 1
LEA COUNTY, NM
TUBB (TUBB) TB FIELD



**Rinewalt B
Blinebry/Tubbs
Downhole Commingling Application
Allocation Formula**

Allocation will be based on well tests. An example follows:

days on x well test = ultimate production

actual production ÷ ultimate production = allocation %

allocation % x ultimate production = allocated production

Step 1

<u>Zone</u>	<u>Days On</u>	<u>Mcf</u>		
Blinebry	30	x	24	= 720
Tubb	30	x	90	= <u>2700</u>
				3420

Step 2

<u>Actual Prod.</u>		<u>Test</u>		<u>% Prod</u>
2900 Mcf	÷	3420	=	.8480

Step 3

	<u>% Prod</u>		<u>Test</u>		<u>Allocated</u>
Blinebry	.8480	x	720	=	611
Tubb	.8480	x	2700	=	2290

**Rinewalt B
Blinebry/Tubbs
Downhole Commingling Application
Value Formula**



Current Value (as of 2/97) is as follows:

<u>Zone</u>	<u>Mcfpd</u>		<u>NRI</u>		<u>Price</u>		<u>Value</u>
Blinebry	24	x	.898437	x	\$2.19	=	48.18
Tubb	90	x	.898437	=	\$2.19	=	<u>177.39</u>
							225.57

Proposed Value after commingling:

<u>Zone</u>	<u>Mcfpd</u>		<u>Prop. Inc</u>		<u>NRI</u>		<u>Price</u>		<u>Value</u>
Commingled	134	x	1.10	x	.898437	x	2.19	=	290.02

**NOTIFICATION LIST - OFFSET OPERATORS
RINEWALT 1
BLINEBRY OIL & GAS
TUBB OIL & GAS
LEA COUNTY, NM**



All Operators notified via Certified Mail dated 4/1/97

CHEVRON U.S.A., INC.
Claydesta Plaza
15 Smith Rd
Midland, TX 79705

Ph: 915/687-7366
Fax: 915/687-7667

CHEVRON U.S.A., INC.
Box 688
Eunice, NM 88231

Ph: 505/397-8770
Fax: 505/397-8771

COLLINS & WARE, INC.
303 W. Wall, Ste 2200
Midland, TX 79701

Ph:

ARCH PETROLEUM, INC.
Dr. 909
802 E. Texas
Eunice, NM 88231

Ph: 505/394-2246
Fax: 505/394-2454