

DHC 3/30/98

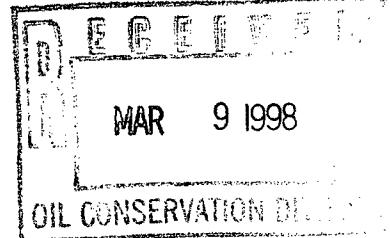


Chevron

March 4, 1998

Request for Exception to Rule 303-A
Downhole Commingling
Blinebry (Pro Gas) Pool and Tubb (Pro Gas) Pool
Eunice King #13
554' FNL & 554' FEL
Unit A, Section 28, T-21-S, R-37-E
Lea County, New Mexico

Chevron U.S.A. Production Company
P.O. Box 1150
Midland, TX 79702



State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Attention: Lori Wrotenbury, Director

Dear Ms. Wrotenbury:

Chevron U.S.A. Inc. respectfully requests your administrative approval for an exception to Rule 303-A to permit the downhole commingling of the Blinebry (Pro Gas) and the Tubb (Pro Gas) zones in the subject wellbore.

Currently this well is a dual completion in these respective zones which are isolated by a packer set at 5950'. The proposed downhole commingling will allow an anticipated increase in production rate in the Blinebry zone while restoring the production rate in the Tubb zone to previous levels. This will enable this well to produce from both zones to a lower economic limit thus increasing recovery and preventing waste.

Enclosed is the OCD Form C-107-A and supporting documentation for this administrative application for exception to Rule 303-A. A copy of this application is being provided to all affected offset operators and the Commissioner of Public Lands via Certified Mail.

If there are any questions or should you require additional information concerning this application, please contact Alan W. Bohling at (915) 687-7246.

Sincerely yours,

Alan W. Bohling
Alan W. Bohling
Petroleum Engineer
New Mexico Area

cc: NMOCD - Hobbs, New Mexico

OFFSET OPERATORS

Conoco Inc.
10 Desta Drive, Ste. 100W
Midland, Texas 79705

John H. Hendrix Corporation
P. O. Box 3040
Midland, Texas 79702

Marathon
P. O. Box 552
Midland, Texas 79702

Shell
P. O. Box 1950
Hobbs, NM 88240-1950

Texaco E&P Inc.
205 E. Bender
Hobbs, New Mexico 88240

Titan Resources
500 W. Texas, Ste. 500
Midland, Texas 79701

DISTRICT I
P.O. Box 1150, Midland, NM 82340
DISTRICT II
811 South First St., Artesia, NM 88310
DISTRICT III
1000 Rio Bravo Rd., Alamogordo, NM 88340

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheca
Santa Fe, New Mexico 87508-6428

Form C-107-A
New 3-12-86

APPROVAL PROCESS:

Administrative _____ Hearing _____

EXISTING WELLBORE

YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

CHEVRON U.S.A. PRODUCTION COMPANY

P. O. BOX 1150, MIDLAND, TX 79702

Operator

EUNICE KING #13

Address

A-28-21S-37E

LEA

Unit

WELL NO. UNIT NO. • 888-1111-1111

County

GRID NO. 4323

Property Code 002615

API NO. 30-025-06849

Spacing Unit Lease Type: (check 1 or more)

Federal _____, State _____, Landfill Fee _____

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Blinebry (Pro Gas) 72480		Tubb (Pro Gas) 86440
2. Top and Bottom of Pay Section (Perforations)	5506'-5882'		6060'-6195'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 234#/ (Est.) b. (Original) 1925#/ (Measured 4/27/62)	b.	a. 178#/ (Est.) b. 1639#/ (Measured 4/25/62)
6. Oil Gravity (° API) or Gas BTU Content	1258 BTU/CF (wet)		1232 BTU/CF (wet)
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	Date: Rate:	Date: Rate:	Date: Rate:
Note: For new zones with no production history, operator shall be required to attach production estimate and supporting data			
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 1-11-98 Rate: .5/295/1	Date: Rate:	Date: 1-11-98 Rate: 0/1/0
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 100 % Gas: 77 %	Oil: % Gas: %	Oil: 0 % Gas: 23 %

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?
If not, have all working, overriding, and royalty interests been notified by certified mail?
Have all offset operators been given written notice of the proposed downhole commingling? Yes No Yes No Yes No

11. 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 No

13. 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).

16. 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.

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

SIGNATURE Clark Bohling TITLE Petroleum Engineer DATE 3/4/98

TYPE OR PRINT NAME Alan W. Bohling TELEPHONE NO. (915) 687-7246

CHEVRON U. S. A., INC.

Request for Exception to Rule 303-A
Downhole Commingling
Blinebry (Pro Gas) Pool and
Tubb (Pro Gas) Pool
Eunice King #13

Additional Statements to Form C-107A

5a. Bottomhole Pressure

The Blinebry (or upper completion) is currently producing by a plunger-lift system. Independant calculations from previous packer leakage tests and recent gas analysis results in a BHP of 234 psi. This calculated value is reasonable with pressures observed in this area and formation. Similarly, the Tubb (or lower completion) is currently producing, flowing, from beneath a packer. The BHP calculations, again utilizing previous packer leakage tests and recent gas analysis, results in a BHP of 178 psi. This also compares favorably with pressures observed in this area and formation. (see attached gas analysis)

7b. Marginal Production

Currently both the Blinebry and Tubb production from this dual completed well is economically marginal relevant to lease fixed operational costs. However, as stated below, the Blinebry (Pro Gas) production is anticipated to increase as a result of eliminating wellbore restrictions (mechanical and fluids) through downhole commingling which would render this portion of the production as no longer marginal.

8 & 9. Fixed Percentage Allocation

The recent test and production since July, 1997 would indicate that the production is associated only to the Blinebry. It is apparent, when comparing historical production from 1996 with the recent production, that mechanical separation between the Blinebry and Tubb zones may have become compromised, either through a packer leakage or a hole in the tubulars between these zones. Also, from cumulative production comparisons, the Tubb gas appears to be largely more depleted than the Blinebry gas. With this in mind, and noting a recent increase in the total combined daily average of gas production from 189 MCF/D in 1996 to 301 MCF/D over the last six months, and attributing this increase to the Blinebry, the following allocation of downhole commingled production is recommended:

	<u>BOPD</u>	<u>MCFPD</u>	<u>BWPD</u>
Blinebry (Pro Gas)			
Current Rate ('96 avg.)	0.4	121	0.75
Increasing by	0.0	112	0.0
Anticipated Total	.4	233	.75
Tubb (Pro Gas)			
Current Rate ('96 avg.)	0.0	68	0.0
Increasing by	0.0	0.0	0.0
Anticipated Total	0.0	68	0.0
Total DHC	0.4	301	0.75
Blinebry % of Total DHC	100%	77%	100%
Tubb % of Total DHC	0%	23%	0%

10a. Ownership

All working interest and royalty interest owners in the subject spacing unit(s) are common in all commingled zones and thus correlative rights will not be compromised.

10c. Offset Operator Notification

By copy of this application, sent certified mail, we are notifying all affected offset operators (see list) of this proposed downhole commingling as well as the New Mexico State Land Office.

11a. Cross Flow

Due to the minimal difference in the calculated bottomhole pressures and in view of keeping the commingled production in a “pumped off” state, cross-flow between the commingled zones is not anticipated to occur.

12. Fluid Compatibility

Previous commingling of these zones by Chevron and other operators in this area have shown that the produced fluids are compatible and commingling will not cause formation damage or waste.

13. Value

Chevron receives essentially the same price for the gas from these zones and oil is only coming from the Blinebry zone, thus the value will not be adversely affected by commingling.

14. New Mexico State Land

The principal land owner for the Eunice King lease is the State of New Mexico and therefore, as stated earlier, the Commissioner of Public Lands is being sent a copy of this application and OCD Form C-107A, by certified mail, as notification of this downhole commingle proposal.

16. Attachments

The following attachments have been included with OCD Form C-107A:

- a. OCD Form C-102 plats for each zoned to be commingled showing their dedicated acreage;
- b. Production curves and respective tables for each zone showing production over the last several years;
- c. N/A
- d. See Items 8 & 9 above;
- e. A list of affected offset operators;
- f. N/A
- g. (This addendum sheet to OCD Form C-107A)

CHEVRON U. S. A., INC.

Request for Exception to Rule 303-A

Downhole Commingling
Blinebry (Pro Gas) Pool and

Tubb (Pro Gas) Pool

Eunice King #13

554' FNL & 554' FEL

Unit A, Section 28, T-21-S, R-37-E
Lea County, New Mexico

Company Name Mobil	Gulf	S.E.J Oper. Co., et al Mobil, Arco	J.H. Hendrix, et al Mobil, Arco	Shell	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Chevron	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Apache	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Mobil	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Cordova Hardy	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Ziener	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
Amoco	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
TEXACO	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
CENTRAL DRILLARD					
Wader Oil	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
W.T. Mc Cormick	Marathon	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Conoco	J.H. Hendrix, et al Chevron, Arco, Pennzoil	Ziegler Dual Simpson Argo, "A" Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil Mobil, Arco, Pennzoil
EUNICE					



Denotes wells currently Downhole Commingled in Blinebry & Tubb

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 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 30-025-06849	Pool Code 72480	Pool Name Blinbry-(Pro Gas)
Property Code 2615	Property Name Eunice King	Well Number 13
OGRID No. 4323	Operator Name Chevron U.S.A.	Elevation 3441'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot/lns	Feet from the	North/South line	Feet from the	East/West line	County
A	28	21	37		554'	North	554'	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot/lns	Feet from the	North/South line	Feet from the	East/West line	County
" Duties " Acres " Joints or Infill " Consolidation Code " Order No. 40									

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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
					<p><u>Tanya Kerley</u> Signature Printed Name Office Assistant Title 3-4-98 Date</p>
					18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plan 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>Date of Survey Signature and Seal of Professional Surveyor: Certificate Number:</p>

District I
PO Box 1908, Hobbs, NM 88241-1908
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 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 30-025-06849	Pool Code 86440	Pool Name Tubb (Pro Gas)
Property Code 2615	Property Name Eunice King	Well Number 13
OGRID No. 4323	Operator Name Chevron U.S.A.	Elevation 3441'

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	28	21	37		554'	North	554'	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
" Ductile 1 Acre " Joint or Infill " Consolidation Code " Order No.	160								

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				554' #13		554'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.		
							<p><u>Tanya Kerley</u> Signature <u>Tanya Kerley</u> Printed Name <u>Office Assistant</u> Title <u>3-4-98</u> Date</p>		
							18 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>Date of Survey Signature and Seal of Professional Surveyor: Certificate Number</p>		

1112 COPIES TO
APPROPRIATE DISTRICT OFFICE
DISTRICT 1 -
BOX 1980, HOBBS NM 88240
DISTRICT 11 -
DRAWER DD, ARTESIA, NM 88210
DISTRICT 111 -
O RIO BRAZOS RD., AZTEC, NM 87410

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT

FORM C-116
REVISED 1/1/69

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RATOR: CHEVRON U.S.A. INC.
RESS: P.O. BOX 688 EUNICE, NEW MEXICO 88231

GAS-OIL RATIO TEST

POOL: *Ely* COUNTY: *Lea* SCHEDULE: *L* COMPLETION: *Special*

SERIAL NUMBER	WELL NO.	U	S	T	R	DATE OF TEST	TEST PRESSURE	TBG PRESS.	CHOKE SIZE	TEST HOURS	WATER BBLS	GRAV. OIL	OIL BBLS	GAS MCF	GAS-OIL RATIO CU.FT/BBL
<i>L. Harg</i>	13	4	28	215	32E	1-11-98	5	2"	30	24	1		45	195	570,000

STRUCTIONS!
DURING GAS-OIL RATIO TEST, EACH WELL SHALL BE PRODUCED AT A RATE NOT EXCEEDING THE TOP UNIT ALLOWABLE FOR THE POOL IN WHICH THE WELL IS LOCATED BY MORE THAN 25 PERCENT. OPERATOR IS ENCOURAGED TO TAKE ADVANTAGE OF THIS 25 PERCENT TOLERANCE IN ORDER THAT WELL BE ASSIGNED INCREASED ALLOWABLES WHEN AUTHORIZED BY THE DIVISION. GAS VOLUMES MUST BE REPORTED IN MCF AT 15.025 PSIA AND A TEMPERATURE OF 60 DEGREES F. SPECIFIC GRAVITY BASE WILL BE 0.60. REPORT CASING PRESSURE IN LIEU OF TUBING PRESSURE FOR ANY WELL DRIVING THROUGH CASING.
SEE RULE 301 RULE 1116 AND APPROPRIATE POOL RULES.)

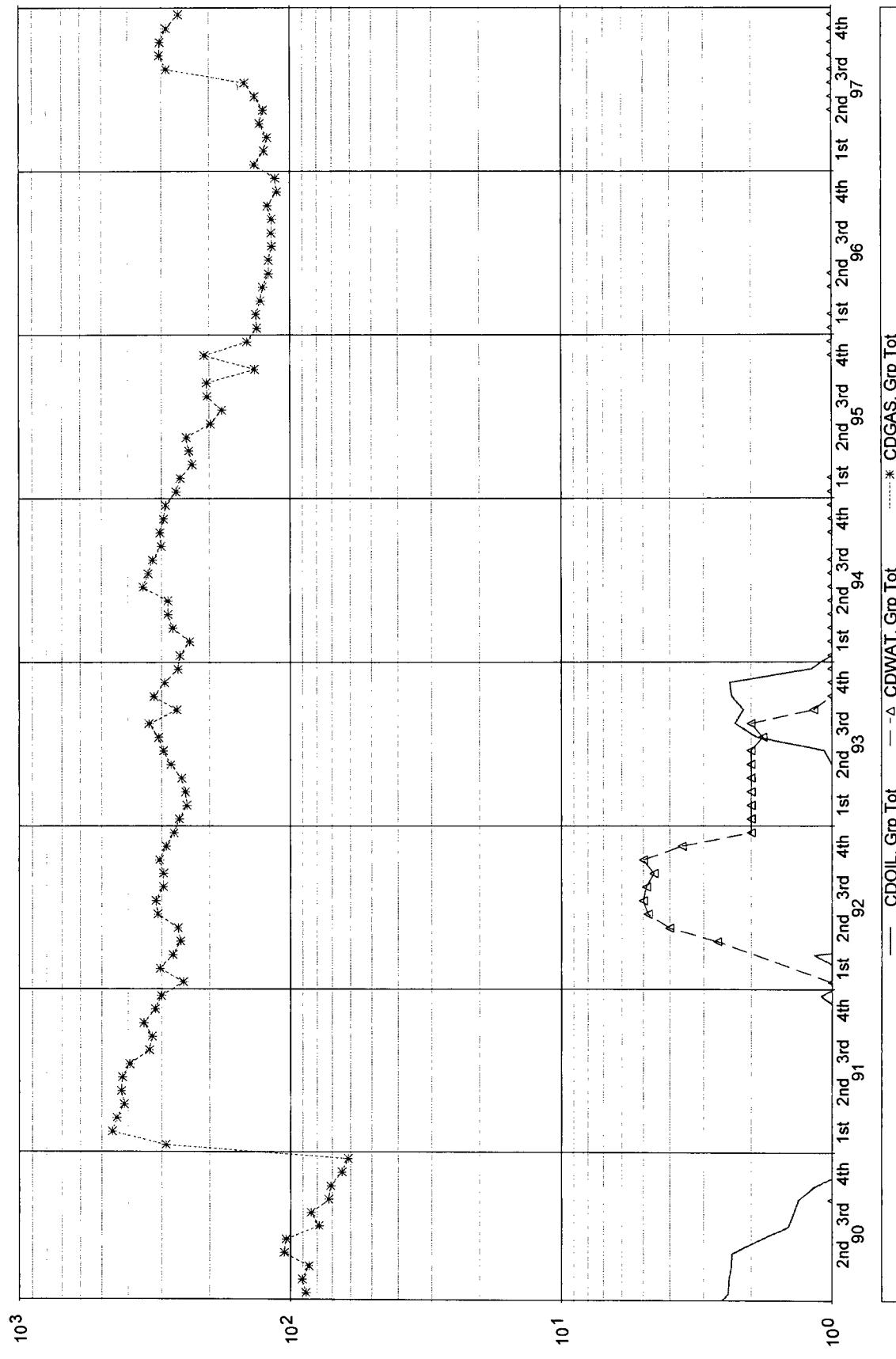
I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.
L. Hargen
Signature
PRINTED NAME AND TITLE *SP-5* / *394-1229*
DATE

TELEPHONE NO.

02/24/1998, 03:57pm
by AWB

Operator : CHEVRON USA INC
Lease / Well : KING EUNICE
Field : BLINEBRY OIL & GAS
API No : 3002506849

FNL: 554.000
FEL: 554.000
SECTION: 28
TOWNSHIP: S021
RANGE: E037



Eunice King Well #13
Blinebry Oil & Gas Historic Production Table

DATE	BOPD	MCFPD	BWPD	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (Bbls)
1/1/90	3	78	1	91.977	1.437	9,919
2/1/90	2	88	0	92.045	1.440	9,925
3/1/90	2	90		92.12	1.443	9,925
4/1/90	2	85		92.191	1.445	9,925
5/1/90	2	106	1	92.264	1.449	9,950
6/1/90	2	104	0	92.32	1.452	9,953
7/1/90	1	78		92.365	1.454	9,953
8/1/90	1	84		92.408	1.457	9,953
9/1/90	1	72	0	92.448	1.459	9,951
10/1/90	1	71	1	92.484	1.461	9,970
11/1/90	1	64		92.511	1.463	9,970
12/1/90	1	61		92.534	1.465	9,970
1/1/91	0	289		92.546	1.474	9,970
2/1/91		455		92.546	1.487	9,970
3/1/91		439		92.546	1.500	9,970
4/1/91		412		92.546	1.513	9,970
5/1/91		421		92.546	1.526	9,970
6/1/91		418		92.546	1.538	9,970
7/1/91		393		92.546	1.550	9,970
8/1/91		332		92.546	1.561	9,970
9/1/91	0	324		92.552	1.570	9,970
10/1/91	1	349		92.577	1.581	9,970
11/1/91	1	316		92.605	1.591	9,970
12/1/91	1	300	1	92.639	1.600	9,994
1/1/92	1	249	1	92.666	1.608	10,025
2/1/92	1	304		92.693	1.616	10,025
3/1/92	1	272		92.729	1.625	10,025
4/1/92	0	255	3	92.741	1.633	10,105
5/1/92		260	4	92.741	1.641	10,229
6/1/92		309	5	92.741	1.650	10,373
7/1/92		314	5	92.741	1.660	10,528
8/1/92		295	5	92.741	1.669	10,679
9/1/92		295	5	92.741	1.678	10,816
10/1/92		305	5	92.741	1.687	10,971
11/1/92	0	288	4	92.755	1.696	11,079
12/1/92	1	269	2	92.783	1.704	11,141
1/1/93	1	258	2	92.813	1.712	11,203
2/1/93	1	242	2	92.841	1.719	11,259
3/1/93	1	245	2	92.872	1.726	11,321
4/1/93	1	253	2	92.9	1.734	11,381
5/1/93	1	277	2	92.931	1.743	11,443
6/1/93	1	295	2	92.963	1.751	11,503
7/1/93	2	307	2	93.022	1.761	11,559
8/1/93	2	333	2	93.093	1.771	11,621
9/1/93	2	263	1	93.157	1.779	11,656
10/1/93	2	320	1	93.23	1.789	11,687
11/1/93	2	292	1	93.302	1.798	11,717
12/1/93	1	261	1	93.339	1.806	11,748

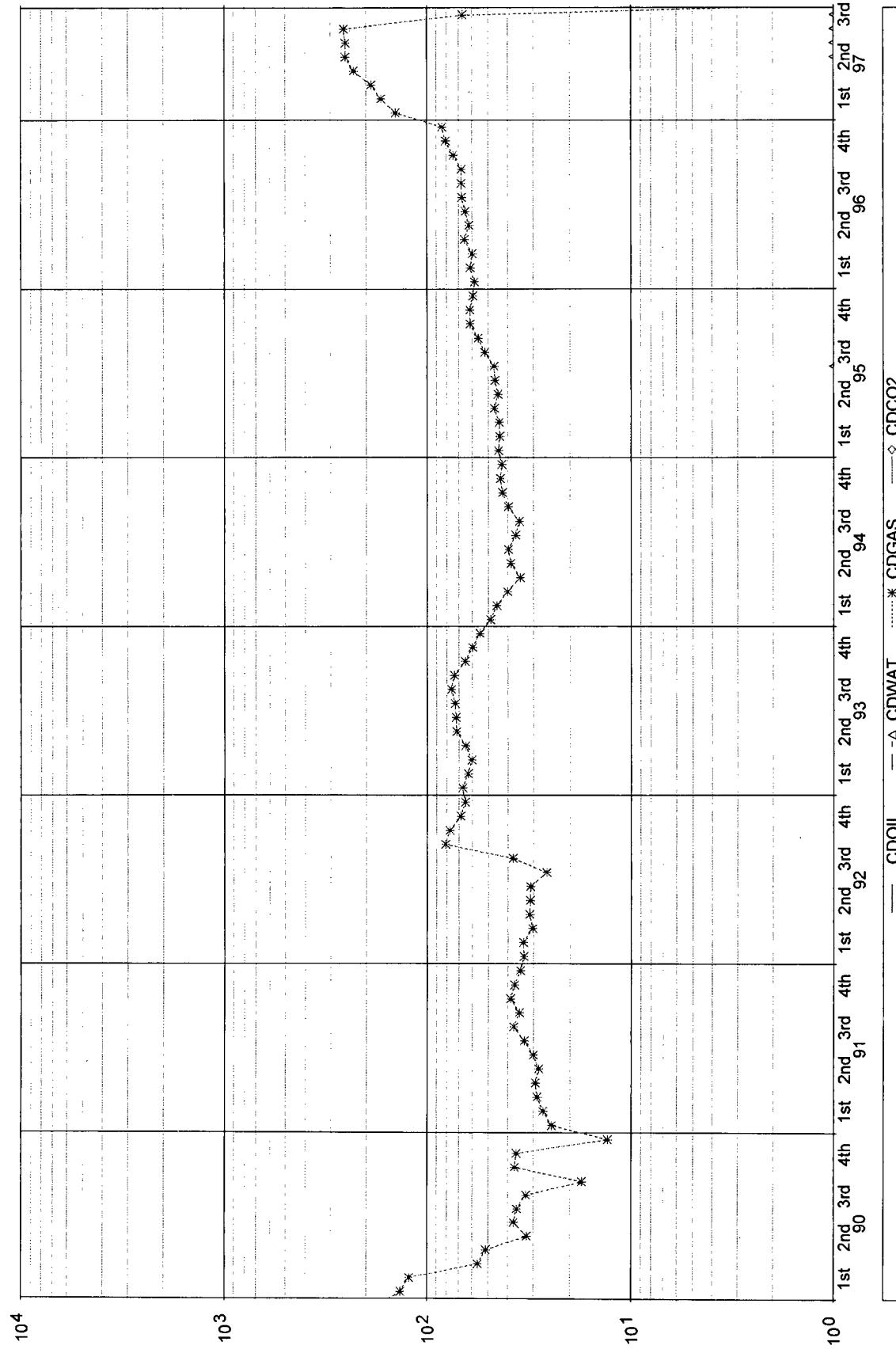
Eunice King Well #13
Blinebry Oil & Gas Historic Production Table

DATE	BOPD	MCFPD	BWPD	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (Bbls)
1/1/94	1	256	1	93.37	1.814	11,779
2/1/94	1	236	1	93.397	1.820	11,807
3/1/94	1	272	1	93.427	1.829	11,838
4/1/94	1	283	1	93.453	1.837	11,868
5/1/94	1	283	1	93.48	1.846	11,899
6/1/94	1	350	1	93.503	1.857	11,929
7/1/94	1	335	1	93.53	1.867	11,960
8/1/94	1	323	1	93.555	1.877	11,991
9/1/94	1	300	1	93.579	1.886	12,019
10/1/94	1	303	1	93.608	1.895	12,050
11/1/94	1	294	1	93.636	1.904	12,080
12/1/94	1	288	1	93.667	1.913	12,111
1/1/95	1	264	1	93.698	1.921	12,142
2/1/95	1	255	1	93.726	1.928	12,170
3/1/95	1	230	0	93.756	1.936	12,176
4/1/95	1	237		93.786	1.943	12,176
5/1/95	1	242		93.813	1.950	12,176
6/1/95	1	197		93.832	1.956	12,176
7/1/95		179		93.832	1.962	12,176
8/1/95	0	203		93.84	1.968	12,176
9/1/95	1	203		93.865	1.974	12,176
10/1/95	1	135	1	93.893	1.978	12,199
11/1/95	1	208	1	93.921	1.984	12,229
12/1/95	1	144	1	93.946	1.989	12,260
1/1/96	1	132	1	93.97	1.993	12,291
2/1/96	1	134	1	93.993	1.997	12,320
3/1/96	1	128	1	94.02	2.001	12,349
4/1/96	1	126	1	94.045	2.005	12,379
5/1/96	1	120	1	94.07	2.008	12,410
6/1/96	0	120	1	94.074	2.012	12,428
7/1/96		117	1	94.074	2.016	12,444
8/1/96		117	0	94.074	2.019	12,447
9/1/96		117		94.074	2.023	12,447
10/1/96		121	0	94.074	2.026	12,451
11/1/96		112	1	94.074	2.030	12,466
12/1/96		113	1	94.074	2.033	12,482
1/1/97		135	1	94.074	2.037	12,498
2/1/97		125	1	94.074	2.041	12,512
3/1/97		121	1	94.074	2.045	12,528
4/1/97		129	1	94.074	2.049	12,551
5/1/97		126	1	94.074	2.052	12,582
6/1/97		135	1	94.074	2.057	12,612
7/1/97		147	1	94.074	2.061	12,643
8/1/97	0	287	1	94.087	2.070	12,674
9/1/97	0	304	1	94.099	2.079	12,704
10/1/97	0	303	1	94.112	2.088	12,735
11/1/97	0	287	1	94.126	2.097	12,765
12/1/97	0	259	1	94.141	2.105	12,796

02/24/1998, 04:01pm
by AWB

Operator : CHEVRON USA INC
Lease / Well : KING EUNICE : 13
Field : TUBB OIL & GAS
API No : 3002506849

FNL: 554,000
FEL: 554,000
SECTION: 28
TWPNSHIP: S021
RANGE: E037



Eunice King Well #13
Tubb Oil & Gas Historic Production Table

DATE	BOPD	MCFPD	BWPD	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (Bbls)
1/1/90	1	135		15.721	5.093	17
2/1/90	1	123		15.744	5.097	17
3/1/90	1	56		15.765	5.099	17
4/1/90	1	51		15.786	5.100	17
5/1/90	1	32		15.813	5.101	17
6/1/90	1	38		15.841	5.102	17
7/1/90	1	36		15.864	5.103	17
8/1/90	1	33		15.885	5.104	17
9/1/90	0	17		15.886	5.105	17
10/1/90		37		15.886	5.106	17
11/1/90		36		15.886	5.107	17
12/1/90		13		15.886	5.108	17
1/1/91		24		15.886	5.108	17
2/1/91		27		15.886	5.109	17
3/1/91		29		15.886	5.110	17
4/1/91		29		15.886	5.111	17
5/1/91		28		15.886	5.112	17
6/1/91		30		15.886	5.113	17
7/1/91		33		15.886	5.114	17
8/1/91		37		15.886	5.115	17
9/1/91		35		15.886	5.116	17
10/1/91		39		15.886	5.117	17
11/1/91		37		15.886	5.118	17
12/1/91		35		15.886	5.119	17
1/1/92		33		15.886	5.120	17
2/1/92		34		15.886	5.121	17
3/1/92		30		15.886	5.122	17
4/1/92		31		15.886	5.123	17
5/1/92		31		15.886	5.124	17
6/1/92		31		15.886	5.125	17
7/1/92		26		15.886	5.126	17
8/1/92		38		15.886	5.127	17
9/1/92		81		15.886	5.129	17
10/1/92		77		15.886	5.132	17
11/1/92		68		15.886	5.134	17
12/1/92		65		15.886	5.136	17
1/1/93		67		15.886	5.138	17
2/1/93		63		15.886	5.140	17
3/1/93		60		15.886	5.142	17
4/1/93		64		15.886	5.143	17
5/1/93		72		15.886	5.146	17
6/1/93		72		15.886	5.148	17
7/1/93		73		15.886	5.150	17
8/1/93		76		15.886	5.152	17
9/1/93		73		15.886	5.155	17
10/1/93		65		15.886	5.157	17
11/1/93		60		15.886	5.158	17
12/1/93		55		15.886	5.160	17

Eunice King Well #13
Tubb Oil & Gas Historic Production Table

DATE	BOPD	MCFPD	BWPD	Cum Oil (MBO)	Cum Gas (BCF)	Cum Water (Bbls)
1/1/94		49		15.886	5.162	17
2/1/94		45		15.886	5.163	17
3/1/94		40		15.886	5.164	17
4/1/94		35		15.886	5.165	17
5/1/94		39		15.886	5.166	17
6/1/94		40		15.886	5.168	17
7/1/94		37		15.886	5.169	17
8/1/94		35		15.886	5.170	17
9/1/94		40		15.886	5.171	17
10/1/94		43		15.886	5.172	17
11/1/94		44		15.886	5.174	17
12/1/94		43		15.886	5.175	17
1/1/95		44		15.886	5.176	17
2/1/95		44		15.886	5.178	17
3/1/95		44		15.886	5.179	17
4/1/95		47		15.886	5.180	17
5/1/95		45		15.886	5.182	17
6/1/95		46	1	15.886	5.183	43
7/1/95		47	1	15.886	5.185	74
8/1/95		52	1	15.886	5.186	94
9/1/95		56		15.886	5.188	94
10/1/95		61		15.886	5.190	94
11/1/95		61		15.886	5.192	94
12/1/95		59		15.886	5.193	94
1/1/96		58		15.886	5.195	94
2/1/96		61		15.886	5.197	94
3/1/96		60		15.886	5.199	94
4/1/96		65		15.886	5.201	94
5/1/96		62		15.886	5.203	94
6/1/96		65		15.886	5.205	94
7/1/96		67		15.886	5.207	94
8/1/96		68		15.886	5.209	94
9/1/96		67		15.886	5.211	94
10/1/96		74		15.886	5.213	94
11/1/96		81		15.886	5.216	94
12/1/96		84		15.886	5.218	94
1/1/97		142		15.886	5.223	94
2/1/97		168		15.886	5.227	94
3/1/97		188		15.886	5.233	94
4/1/97		229	1	15.886	5.240	109
5/1/97		252	1	15.886	5.248	140
6/1/97		252	1	15.886	5.255	170
7/1/97		256	1	15.886	5.263	201
8/1/97	0	67	1	15.899	5.265	232
9/1/97	0	0	1	15.911	5.265	262
10/1/97	0	1	1	15.924	5.265	293
11/1/97	0	0	0	15.928	5.265	301
12/1/97		0		15.928	5.265	301

WELLBORE DIAGRAM

Last Updated: 2/22/98
By: AWB

WELL NAME: Eunice King Well #13

LOCATION: 554 feet From N Line & 554 feet From E Line; S: 28 T: 21S R: 37E

COUNTY: LEA STATE: NM

GE: 3441 KDB to GE:

DF to GE:

Spud Date:

3/9/99

Completion Date:

4/16/99

Initial Formation:

Drinkard

Interval Completed:

From: 6520

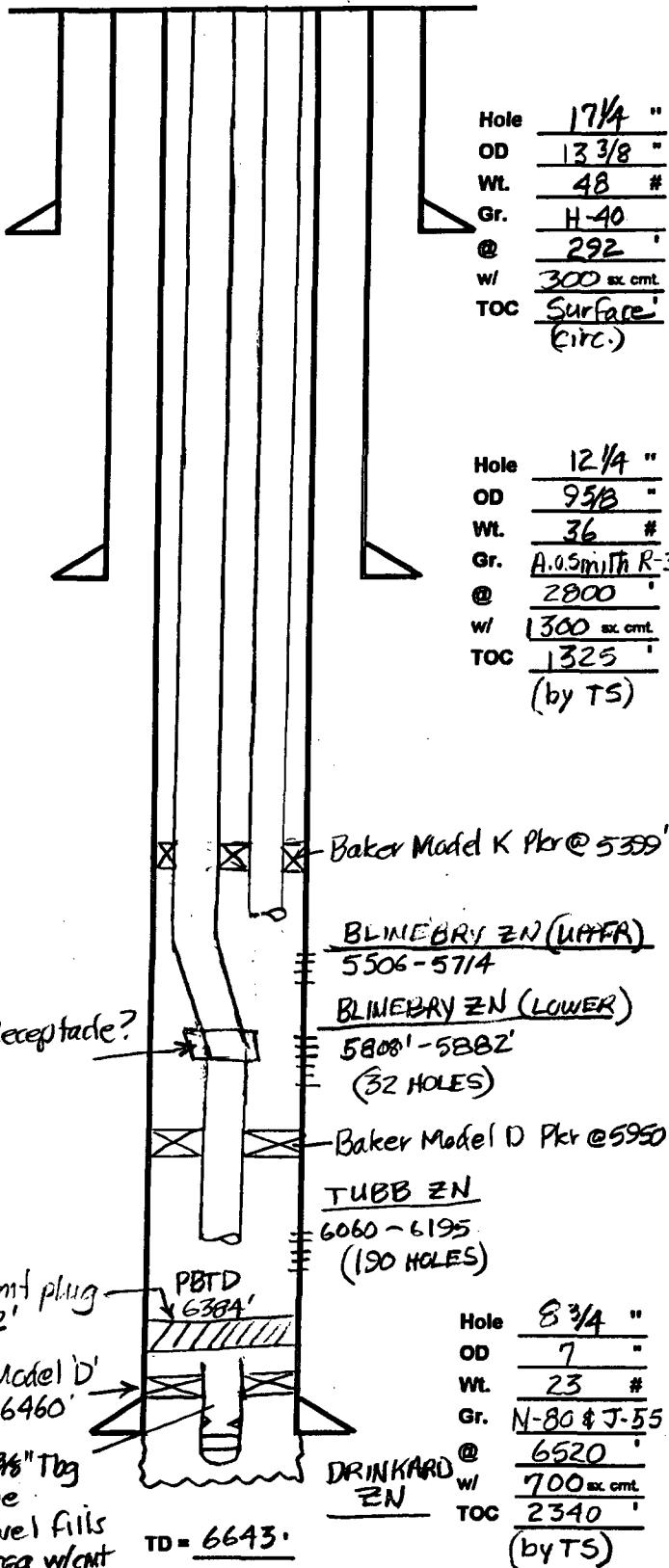
To: 6643

Initial Production:

BOPD: 281 BOPD

MCFPD: 88 MCF/D

BWPD:



Additional Remarks or Information:

SEE TBS DETAILS IN FIELD FILES TO VERIFY DOWNHOLE TBS CONFIGURATION

MANLEY GAS TESTING, INC.

P.O. DRAWER 193
OFFICE(915)367-3024

FAX(915)367-1166

ODESSA, TEXAS 79760

E-MAIL: MANLEYGAS@AOL.COM

CHARGE..... 63 - 0 - 0 DATE SAMPLED..... 05-16-97
 REC. NO. 70 DATE RUN..... 05-27-97
 TEST NUMBER.. 10112 EFFEC. DATE..... 06-01-97

STATION NO. 161-000672 = TUBB SIDE .

PRODUCER CHEVRON
LEASE NAME EUNICE KING #13

LOCATION: WARREN EUNICE - PLANT #161

PRESSURE (WHEN TAKEN)..... 26 PSIG TEMPERATURE (WHEN TAKEN) 60 F
 PRESSURE (WHEN ANALYZED) .. 28 PSIG TEMPERATURE (WHEN ANALYZED).. 130 F
 SAMPLED BY: CYLINDER NO. ... 0

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

MOL% GPM (IDEAL)

HYDROGEN SULFIDE...	0.001	
NITROGEN.....	2.156	
CARBON DIOXIDE....	0.061	
METHANE.....	78.887	
ETHANE.....	9.767	2.598 CORRECTED H ₂ S PPMV = 6
PROPANE.....	5.031	1.379
ISO-BUTANE.....	0.616	0.200
NOR-BUTANE.....	1.714	0.537
ISO-PENTANE.....	0.419	0.153 'Z' FACTOR (DRY) = 0.9964
NOR-PENTANE.....	0.527	0.190 'Z' FACTOR (WET) = 0.9960✓
HEXANES +	0.821	0.352
<hr/>		
TOTALS	100.000	5.409

..CALCULATED SPECIFIC GRAVITIES..

..CALCULATED GROSS HEATING VALUES..

IDEAL, DRY..... 0.7332
 IDEAL, WET 0.7313
 REAL, DRY 0.7356
 REAL, WET 0.7339

BTU/CF - IDEAL, DRY 1248
 BTU/CF - IDEAL, WET 1227
 BTU/CF - REAL, DRY 1253
 BTU/CF - REAL, WET 1232 ✓

DISTRIBUTION AND REMARKS:

2CC: PLANT

NOTE: BTU VALUES CALCULATED ON H₂S-FREE BASISANALYZED BY: JT
** R **

APPROVED:

M. Lavelle

MANLEY GAS TESTING, INC.
 P.O. DRAWER 193
 OFFICE (915) 367-3024 FAX (915) 367-1166 ODESSA, TEXAS 79760
 E-MAIL: MANLEYGAS@AOL.COM

CHARGE.....	63 -	0 - 0	DATE SAMPLED.....	10-14-97
REC. NO.	43		DATE RUN.....	10-17-97
TEST NUMBER..	10329		EFFEC. DATE.....	11-01-97

STATION NO. 161-000758 = BLINNEY SIDE
 PRODUCER CHEVRON
 LEASE NAME EUNICE KING #13

LOCATION: WARREN EUNICE - PLANT #161

PRESSURE (WHEN TAKEN)....	24 PSIG	TEMPERATURE (WHEN TAKEN) ...	0 F
PRESSURE (WHEN ANALYZED) ..	25 PSIG	TEMPERATURE (WHEN ANALYZED) ..	130 F
SAMPLED BY:		CYLINDER NO. ...	0

FRACTIONAL ANALYSIS
 CALCULATED @ 14.650 PSIA AND 60F

MOL% GPM (IDEAL)

HYDROGEN SULFIDE...	0.011	
NITROGEN.....	1.861	
CARBON DIOXIDE....	0.268	
METHANE.....	76.772	
ETHANE.....	11.016	2.930
PROPANE.....	5.654	1.549
ISO-BUTANE.....	0.714	0.232
NOR-BUTANE.....	1.946	0.610
ISO-PENTANE.....	0.429	0.156
NOR-PENTANE.....	0.514	0.185
HEXANES +	0.815	0.349
TOTALS	100.000	6.011

CORRECTED H₂S PPMV = 111

'Z' FACTOR (DRY) = 0.9962
 'Z' FACTOR (WET) = 0.9958

..CALCULATED SPECIFIC GRAVITIES..

IDEAL, DRY.....	0.7507
IDEAL, WET	0.7484
REAL, DRY	0.7533
REAL, WET	0.7513

..CALCULATED GROSS HEATING VALUES..

BTU/CF - IDEAL, DRY	1274
BTU/CF - IDEAL, WET	1253
BTU/CF - REAL, DRY	1279
BTU/CF - REAL, WET	1258

DISTRIBUTION AND REMARKS:

2CC: PLANT / 1CC: MID-CONTINENT

S.COOPER

NOTE: BTU VALUES CALCULATED ON H₂S-FREE BASIS

ANALYZED BY: KC
 ** R **

APPROVED: *[Signature]*



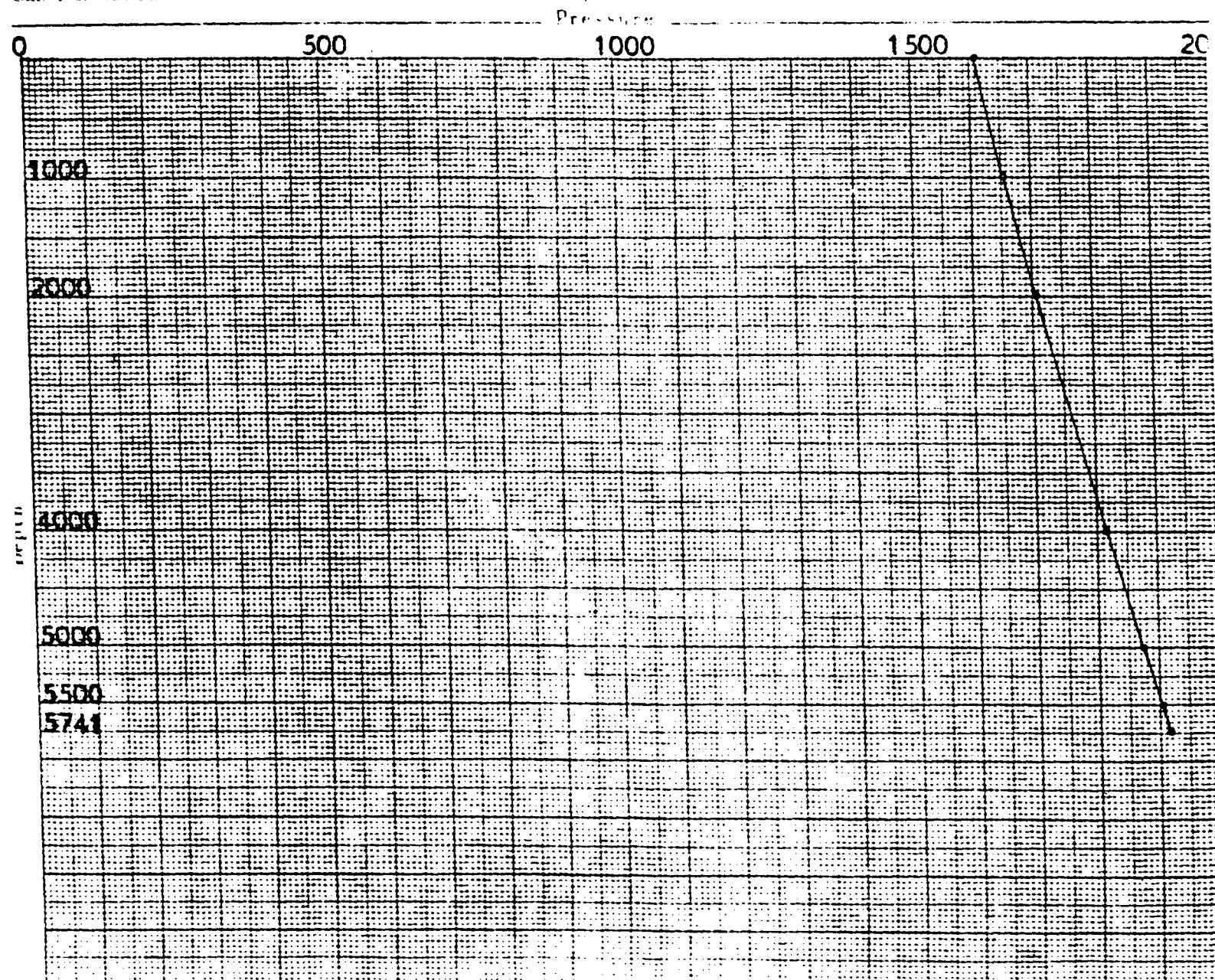
COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3 3813
611 GRIMES
P. O. BOX 1825
HOBBS, NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

OPERATOR	GULF OIL CORPORATION			Depth	Pressure	Gradient
FIELD	BLINEBRY	FORMATION	BLINEBRY OIL			
LEASE	EUNICE KING WELL No. 13					
COUNTY	LEA	STATE	NEW MEXICO	0	1609	-
DATE	4-27-62	TIME	10:30 AM	1000	1655	.046
Status	SHUT IN	Test depth	5741'	2000	1708	.053
Time S	48.0 HRS	Last test date	INITIAL	4000	1816	.054
Tub Pres	1609 DWT	BHP last test	-	5000	1874	.058
Gas Pres	DUAL	BHP change	-	5500	1904	.060
Elev	3441'	Fluid top	NONE	5741	1919	.062
Datum	(-2400')	Water top	NONE	5841 (-2400)	1925*	(.062)
Temp.	99°F	Run by	STINSON			
Cal. No.	A-4090N	Chart No	2			

* EXTRAPOLATED PRESSURE



COMPANY GULF OIL CORPORATIONPOOL DATE (-2400')POOL - BLINERY OIL POOLBOTTOM HOLE PRESSURES 48 HRS: AVERAGE POOL TEMPERATURE 99° FO

LOG NO.	WELL NO.	UNIT	S-T-R	DATE	TIME	PRESS.	S.I.	D.F.	GAUGE	GRADIENT	B.H.P. @ GAUGE DEPTH	B.H.P. @ POOL DEPTH	PRESS.	DATE	PREVIOUS TEST		
															INITIAL		
Eunice King	13	A	28 21 37 4-27-62	48	00	3441'	5741'	.062			1919	1925			SIGNED BY:	<i>J. W. Kline</i>	



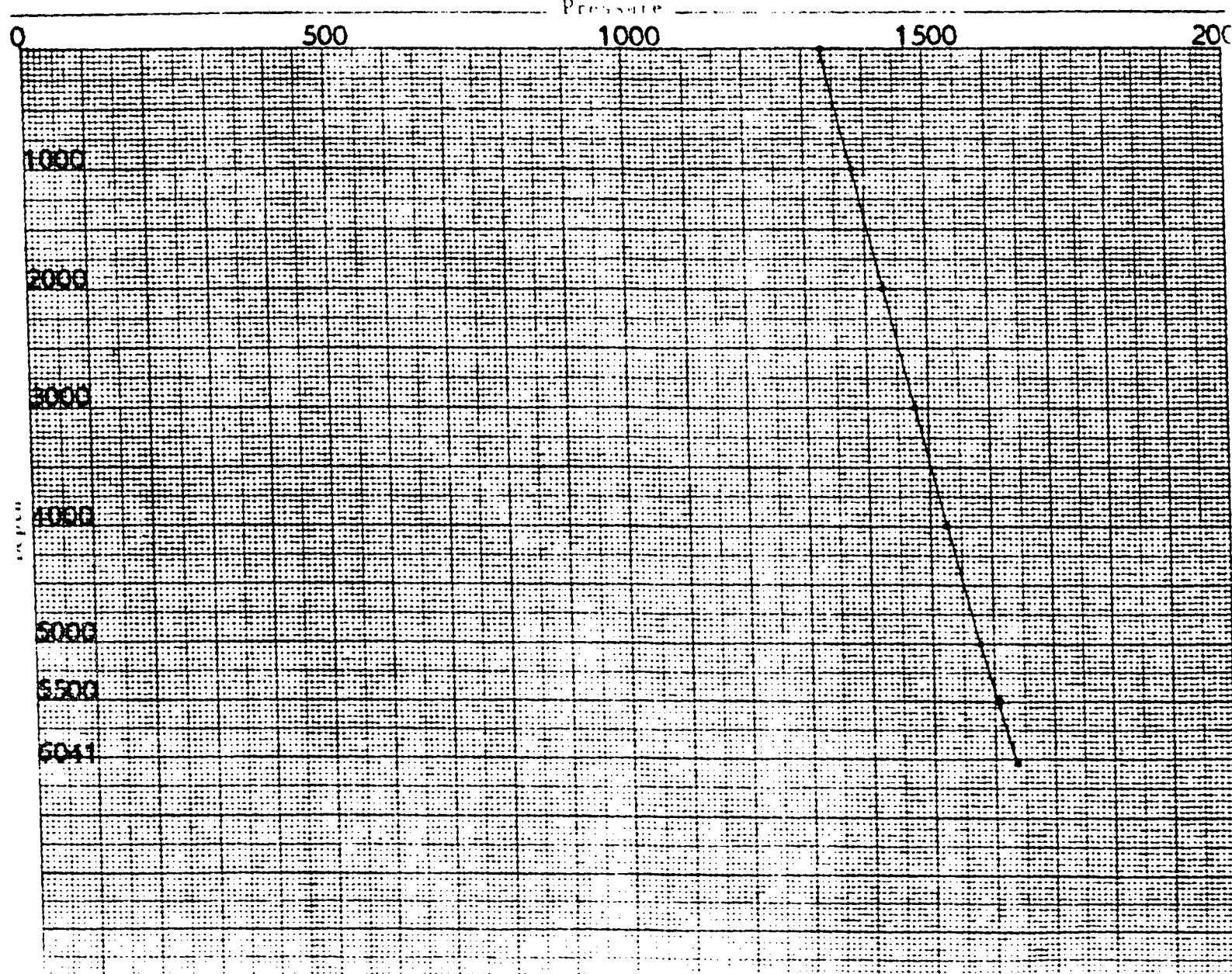
COLEMAR PETROLEUM ENGINEERING COMPANY

PHONE EXPRESS 3-3813
611 GRIMES
P. O. BOX 1825
HOBBS NEW MEXICO

POLYLINE HOLE PRESSURE RECORD

OPERATOR	GULF OIL CORPORATION			Depth	Pressure	Gradient
FIELD	TUBB	FORMATION	TUBB GAS			
LEASE	EUNICE KING	WELL	No. 13	0	1332	-
COUNTY	LEA	STATE	NEW MEXICO	1000	1380	.048
DATE	4-25-62	TIME	10:30 AM	2000	1429	.049
Status	SHUT IN	Test depth	6041'	3000	1478	.049
Time S.	48.0 HRS	Last test date	INITIAL	4000	1527	.049
Tub. Pres.	1332 DWT	BHP base on	-	5000	1579	.052
Gas. Pres.	DUAL	BHP change	-	5500	1605	.052
Elev.	3441'	Fluid top	NONE	6041	1634	.054
Datum	(-2700')	Water top	NONE	6141 (-2700)	1639*	(.054)
Temp. $^{\circ}$ F	103°F	Ran by	STINSON	2		
Cal. No.	A-4090N	Chart No.				

* EXTRAPOLATED PRESSURE



COMPANY GULF OIL CORPORATION BOTTOM HOLE PRESSURES TUBE - TUBE GAS POOLFCL DATE: (-2700') ACTUAL SHUT-IN TIME 48 HRS: AVERAGE POOL TEMPERATURE 103 FO

LINE	WELL NO.	UNIT	S.T.R.	PRESS. FULL	S.I.	DEPTHS/INNS.	D.F. ELEV.	GAUGE DEPTH	GRADIENT TBC.	B.H.P. @ GAUGE DEPTH	B.H.P. @ POOL DEPTH	DATE	PREVIOUS TEST	
													INITIAL	SIGNED BY:
13	UNICE KING	A	28-21-37	4-25-62	48	00	3441	6041	.054	1634	1639	103	J.W. Aire	



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GOVERNOR

3/11/1988

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

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

RE: Proposed:

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

Gentlemen:

I have examined the application for the:

Chevron USA Inc Eenice King #73-A 28-215-370
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

None

Yours very truly,

Chris Williams
Chris Williams
Supervisor, District 1

/ed