



Amoco Production Company

501 WestLake Park Boulevard
Post Office Box 3092
Houston, Texas 77253

June 11, 1992

**State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501**

File: KWB-WF

Gentlemen:

**Application to Downhole Commingle
State "CK" Well Nos. 2 and 3
Paddock and Blinebry Pools
Lea County, New Mexico**

Approval is hereby requested to downhole commingle the State "CK" Well Nos. 2 and 3 in accordance with NMOCD Rule 303-C.

Well 2 is located 1650' FSL x 2207.6' FWL, Section 19, T-21-S, R-37-E, Lea County, New Mexico and is dually completed in the Paddock and Blinebry Pools. This well was originally completed as a triple completion in February, 1962. Approval for the triple completion was granted by Order No. R-2230 on May 3, 1962. The Paddock, Blinebry, and Drinkard were the producing pools in the well. Difficulties with the Drinkard brought about the downhole commingling of the Blinebry and Drinkard. This commingling was granted July 23, 1985, Order No. DHC-556.

Well 3 is located 330' FSL x 1549' FWL, Section 19, T-21-S, R-37-E, Lea County, New Mexico and is dually completed in the Paddock and Blinebry Pools. This well was originally completed as a dual well in March, 1963. Approval to dual the well in the Penrose-SKelly Grayburg and the Blinebry was granted on March 3, 1963 Order MC-1290. The Grayburg was squeezed in December, 1969, and the well completed to the Paddock. Order MC-1909 dated February 5, 1970, granted approval for a Paddock and Blinebry completion.

Commingling of these zones will enhance the economic operation of these wells.

In support of our request, please see the attachments. If additional information is required, please contact Howard Black at (713) 584-7213.

Yours very truly,

K.W. Brand HB

**K.W. Brand
Administrative Services Manager**

Attachments

HIB/bmm

**cc: State of New Mexico
Energy and Mineral Department
Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240**

**Terry Caldwell - 18.194
B.W. Abbott - Hobbs OC**

OFFSET OPERATORS LIST FOR STATE CK LEASE

**Graham Royalty, Ltd.
12707 N. Freeway, Suite 200
Houston, Texas 77060**

**Chevron U.S.A. Inc.
P.O. Box 1150
Midland, Texas 79702**

**Texaco USA
P.O. Box 3109
Midland, Texas 79702**

**C.G. Campbell, GTA
P.O. Box 401
Midland, Texas 79701**

Application to Downhole Commingle State CK #2 :Paddock/Blinebry/Drinkard

Blinebry/Drinkard already commingled.

1. The latest productivity tests are as follows:

	<u>BOPD</u>	<u>BWPD</u>	<u>MCFD</u>	<u>PERFORATIONS</u>
Paddock	22	2	20	5158'-5168'
Bline/Drkd	13	2	75	5770'-6659'

2. Neither zone produces more water than the combined oil limit as determined by Rule 303, Paragraph C.
3. The produced fluids should be compatible and commingling these fluids should not result in precipitates which might damage the reservoir. Both zones will produce sour oil and gas. All three streams are currently surfaced commingled and have not caused problems in the battery.
4. The value of the commingled stream will not be diminished from the value of separate stream sales.

Individual Streams

Paddock	22 BOPD x \$15.59 = \$342.98
Drinkard	13 BOPD x \$ 15.59 = <u>\$202.67</u>
	\$545.65

When commingled, sales will be the same as the individual streams.

5. Expected daily production from the commingled zones are as follows:

	<u>Paddock</u>	<u>Drinkard</u>	<u>Commingled</u>
BOPD	22	13	35
BWPD	2	2	4
MCFD	20	75	95

6. Estimated bottomhole pressures:

Paddock

Middle perf: 5163'

$$\text{BHP} = (5163')(.07) + 260 = 621 \text{ psi}$$

Drinkard/Blinbry

Middle perf: 6215'

$$\text{BHP} = (6215')(.07) + 60 = 495 \text{ psi}$$

7. Recommended oil and gas allotments are based on reserves as follows:

Paddock

Initial rate: 22 BOPD

End rate: 2 BOPD

Decline: 29 %

$$\text{Reserves: } \frac{(365)(22-2)}{.29} = 25,000 \text{ BO}$$

Drinkard/Blinbry

Initial rate: 13 BOPD

End rate: 2 BOPD

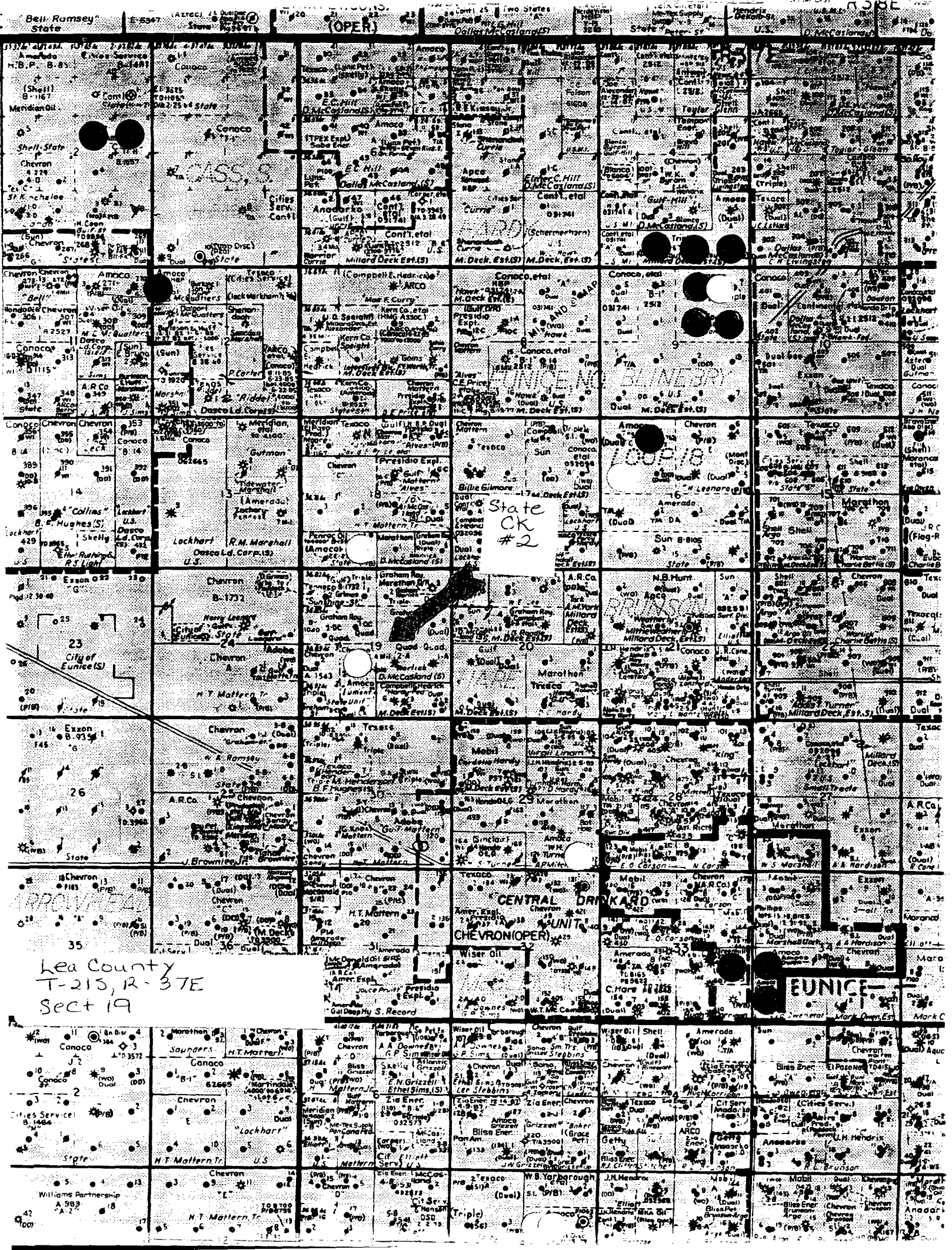
Decline: 16 %

$$\text{Reserves: } \frac{(365)(13-2)}{.17} = 24,000 \text{ BO}$$

$$\text{Paddock Allocation: } \frac{\text{Paddock Reserves}(25000)}{\text{Total Reserves}(49000)} = 51 \%$$

$$\text{Drinkard Allocation: } \frac{\text{Drinkard Reserves}(24000)}{\text{Total Reserves}(49000)} = 49\%$$

8. All zones to be commingled have common ownership.
9. All offset operators have been notified by certified mail. Copy of receipts attached.



(OPER)

State
ck
#2

CENTRAL DRINKARD
UNIT
CHEVRON(OPER)

EUNICE

Lea County
T-215, R-37E
Sect 19



Amoco Production Company
Diagrammatic Sketch

Elevations

KB: 3,520'

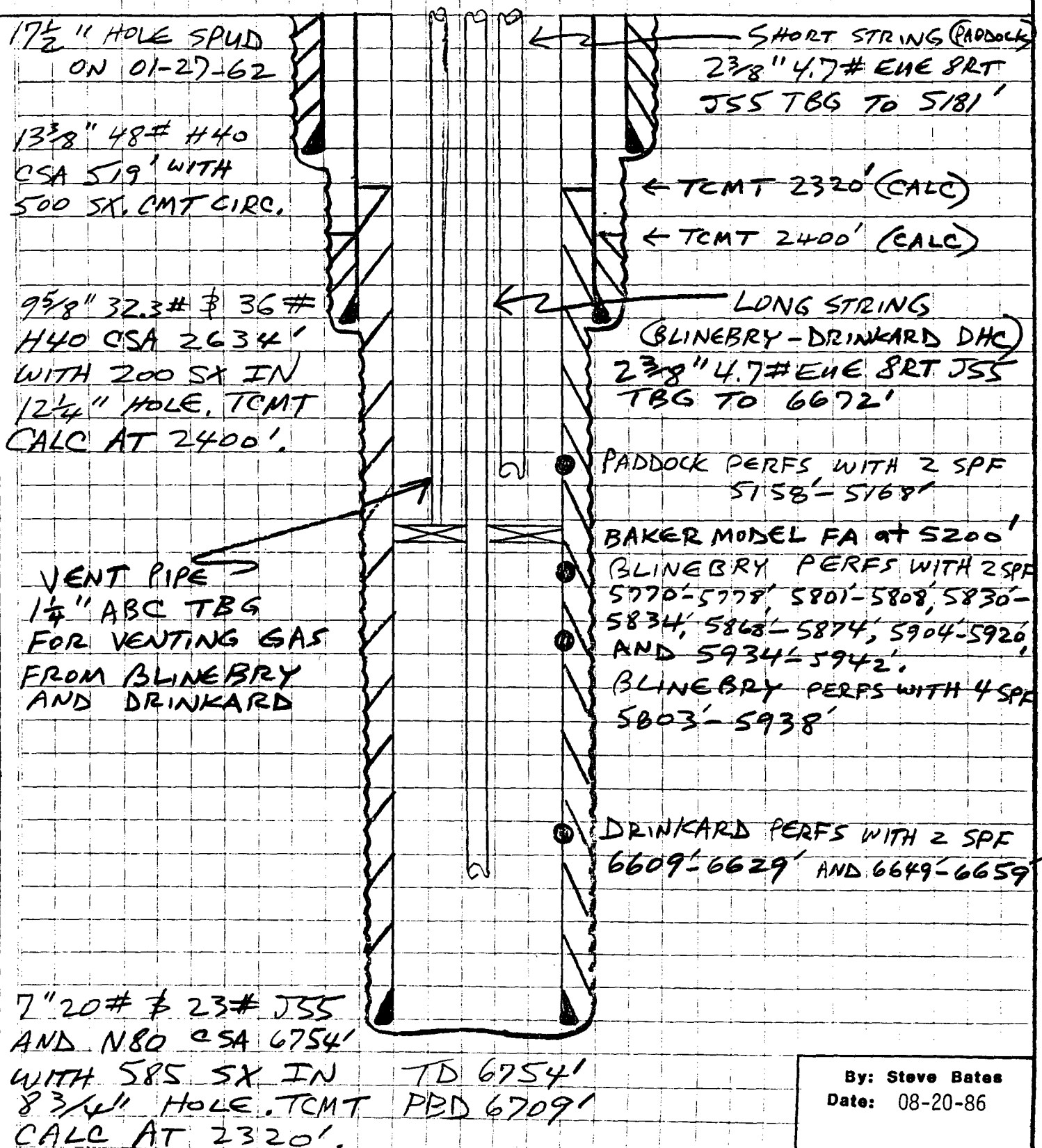
DF: 3,517'

GL: 3,507'

Well: State "CK" No. 2

Location: 1650' FSL x 2207.6' FWL (K-19-21-37), Lea County, NM

Date: 02-23-62
(of first completion)



By: Steve Bates
Date: 08-20-86

WELL TEST OIL WELL PLOT 06-03-91

STATUS CONDITION
FTP (T) OR
PMP, CSG, PRES (P) OR
ICP (C)
PROD. HOURS
PER DAY
SPM
ING. CH. C/P
STRENGTH
DIA.
PUMP ISMIS
VOL. ETT.

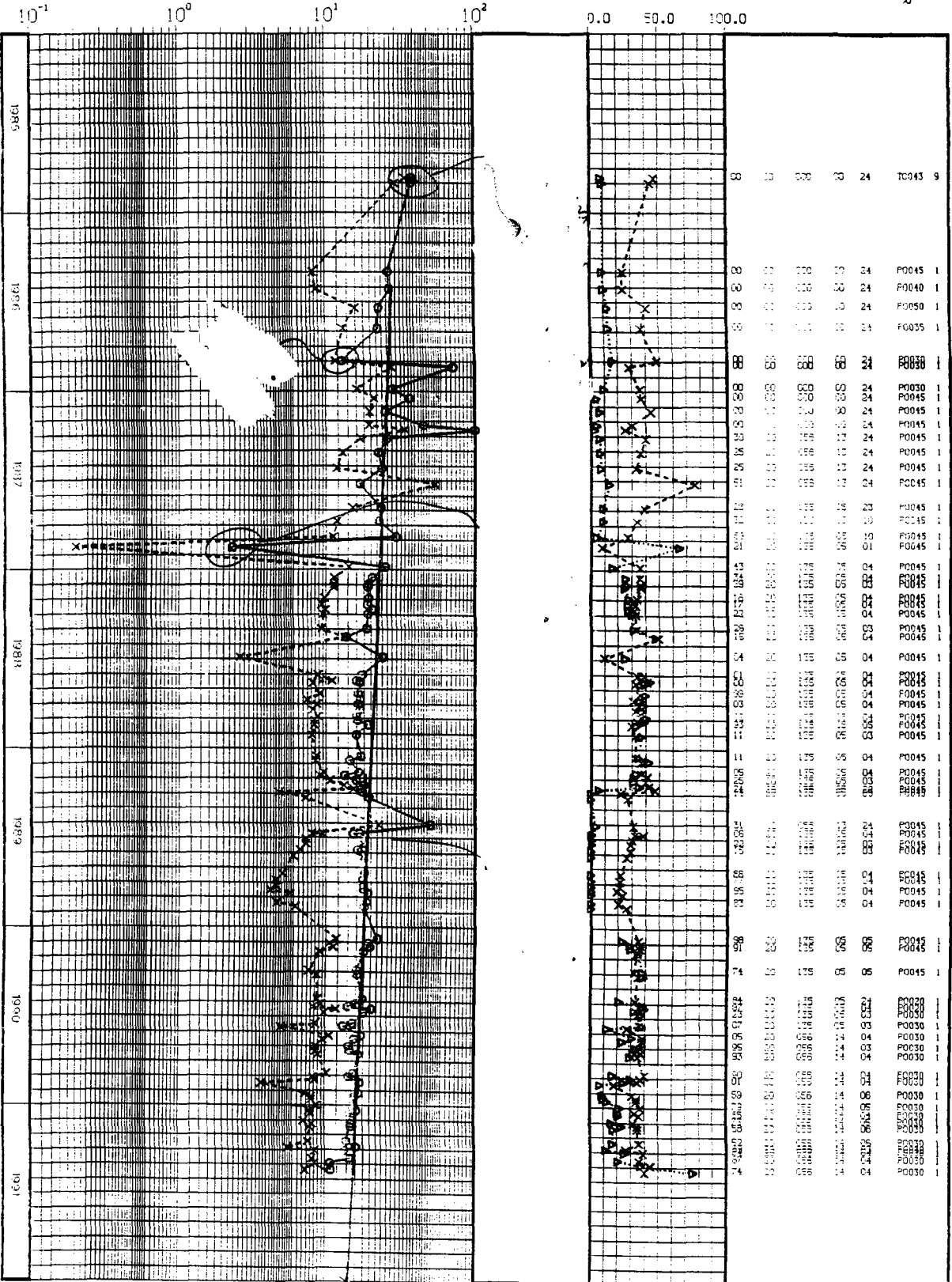
WATERCUT
0.0 50.0 100.0

14 HR TEST RATES OIL, BBLs./DAY
WATER, BBLs./DAY

REGION - J
DISTRICT - 63
OPERATOR - AMOYO PRODUCTION COMPANY
WELL NO. 002K19

SWITCH - 4M BU
HOURS OF
OPERATION - 30
DATE - 10/10/90
STATE - OK
MAIL CODE - 7410

FLUID - OIL
TEMPERATURE - 100°F
PRESSURE - 1000 PSI
WELL NO. 002K19

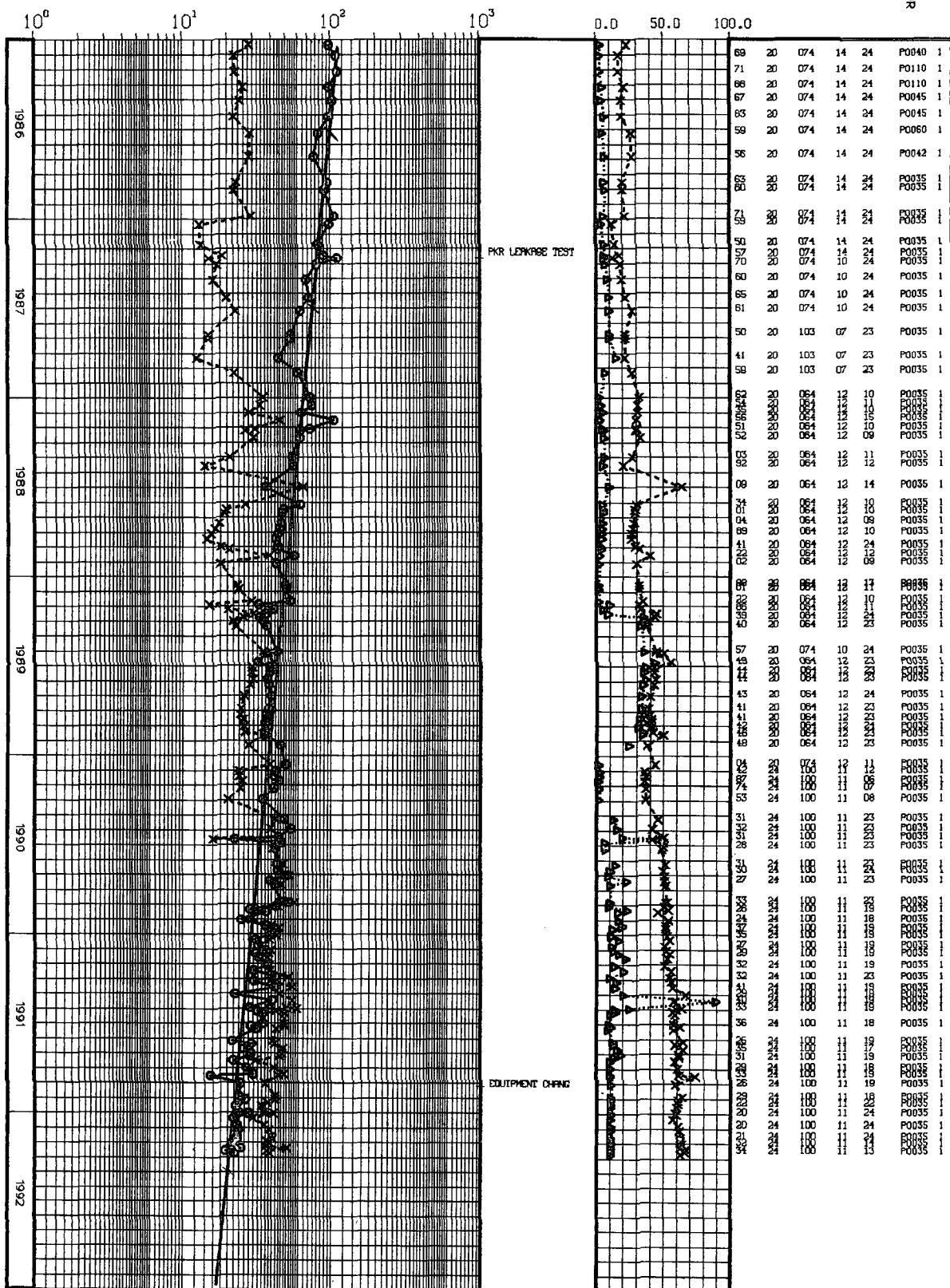


INPUT
PMP, CSG, PRES
ICP
PROD. HOURS
PER DAY
SPM
ING. CH. C/P
STRENGTH
DIA.
PUMP ISMIS
VOL. ETT.

WELL NO. 002K19

PROD. HOURS
PER DAY
SPM
TBG. CH. OR
STROKE LEN
DIA.
PUMP 16THS
VOL. EFF.

WELL TEST OIL WELL PLOT 04-06-92



REGION - J S PERMAN B BU
DISTRICT - 63 HOBBS OC
OPERATOR - AMOCO PRODUCTION COMPANY
MAIL TO LOC. NO. - J63

COMPLETION ZONE NAME - PADDOCK	PADDOCK
STATE-REG FIELD/POOL - 30	6738
FLAC(L)/U - 390994	STATE /CK/
NAME - H ERYVIN	MAIL CODE/R

MAIL CODE/ROOM - 18HXE

FLACWELL--HOR - 925044-02 - OIL WELL
COMPLETION DATE - 03-00-62
LEASE WELL NO - 002K19
JOB REQUEST - 012-14

STATE /OK/ WELL NO. 002K19

29/10

0.0 5.0 10.0
GOR, SCF/BBL. ▶-----▶

CYCLE TIME
GL CHOKE
64THS

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INPUT
PSIG (I)

```

State "CK" Well No. 2 (Flac 925044) (API #30-025-06673)
Unit K, 1650' FSL x 2207.6' FWL of Section 19, T-21-S, R-37-E
Lea County, New Mexico Elevation @ GL=3507'; @ DF=3517'; @ KB=3520'
North - Blinebry - Drinkard DHC - Oil
South - Paddock - Oil
40 Acres Dedicated To Each Zone

01/27/62: Spud 17-1/2" hole.

01/29/62: 13-3/8" 48# H-40 CSA 519' w/ 500 sxs cmt. circ. Reduced hole to 12-1/4" and resumed drilling.

02/03/62: 9-5/8" 32.3# and 36# H-40 CSA 2634' w/ 200 sxs. Top of cmt calculated at 2400'. Reduced hole to 8-3/4" and resumed drilling.

02/23/62: 7" 20# and 23# J-55 and N-80 CSA 6754' w/ 585 sxs. PB to 6709'. Top of cmt calculated at 2320'. Perf Drinkard 6649' - 6659' x acd w/ 1000 gals 15% HCl acid. On PT Drinkard FLW 88 BO x 0 BW in 12 hours. Perf Blinebry 5803' - 5938' x acd w/ 1500 gals acid x SOF w/ 20,000 gals oil x w/ 30,000 lbs. sand. On PT Blinebry FLW 81 BO x 0 BW in 24 hours. Perf Paddock 5158' - 5168' x acd w/ 500 gals acid. On PT Paddock FLW 77 BO x 0 BW in 24 hours. Otis type WA Production Packers set @ 5980' and 5560'.

09/27/62: Stimulate Blinebry by injecting 110 BO x 65 gals ATPET-300 and w/ 100 bbls of liquid CO₂.
PPWO: 12 BOPD x 8 BWPD
PAWO: 16 BOPD x 0 BWPD

01/06/63: Stimulate Blinebry by acd w/ 1500 gals
PPWO: 9 BOPD x 0 BWPD
PAWO: 9 BOPD x 0 BWPD

09/16/63: Stimulate Blinebry by acd w/ 1500 gals
PPWO: 11 BOPD x 0 BWPD x 0 MCFD
PAWO: 14 BOPD x 0 BWPD x 154 MCFD

08/11/67: Stimulate Blinebry by acd w/ 5000 gals
PPWO: 9 BOPD x 3 BWPD
PAWO: 9 BOPD x 8 BWPD

05/26/69: Blinebry ceased to flow.
Blinebry was shut-in.

01/27/77: Inpe into Blinebry and place well on production. In 24 hours well pumped 100 BO x 5 BW x 39 MCFG w/ GOR 390

10/23/78: Drinkard ceased to flow.
Blinebry pumping 52 BOPD x 17 BWPD
Paddock pumping 73 BOPD x 20 BWPD

State "CK" Well No. 2 (Flac 925044) (API #30-025-06673)
Unit K, 1650' FSL x 2207.6' FWL of Section 19, T-21-S, R-37-E
Lea County, New Mexico Elevation @ GL=3507'; @ DF=3517'; @ KB=3520'
North - Blinebry - Drinkard DHC - Oil
South - Paddock - Oil
40 Acres Dedicated To Each Zone
Page 2 of Well History

04/23/79: Stimulate Drinkard by acid w/ 2000 gals
PPWO: FLW 0 x 0 x 0
PAWO: FLW 99 x 11 x 0

08/31/81: Acid Drinkard perfs 6649'-6659' w/ 2000 gals 15% NE HCl
acid x flush w/ 27 bbls 2% KCl brine. Max prs 1650. Avg
1450. Air 2 BPM. ISIP 600. Perf Drinkard 6609'-6629'
w/ 2 SPF. Set bp @ 6639' x PSA 6308'. Acid Drinkard w/
3000 gals 15% HE HCl acid x flush w/ 36 bbls 2% KCl brine.
Max prs 2700. Avg 800. Air 3.2 BPM. ISIP Vac. Perf
Blinebry 5770'-5778' x 5801'-5808' x 5830'-5834' x
5868'-5874' x 5904'-5920' x 5934'-5942' w/ 2 SPF.
PSA 5678' x bpsa 6495'. Acid Blinebry w/ 6500 gals 15%
NE HCl acid w/ additives x w/ 300-lb. graded rock salt in
300 gals gelled brine water. Flush w/ 32 bfw. TP max
1900. Avg 1350. Air 2.1 BPM. ISIP 1500. 5 min. SIP
1400. Move bp to 5616' x set pkr @ 4988'. Acid Paddock
w/ 1500 gals 15% NEFE HCl acid. Max prs 900. Min 700.
Avg 800. AIR 1.1 BPM. ISIP 350. Vac in 5 min. Then
pmp 4000 gals A-Sol tagged w/ RA material. Max prs 1200.
Min zero. Avg 1150. AIR 1.8 BPM. ISIP 900.
PPWO: Blinebry: 1 BOPD x 0 BWPD x 6 MCFD.
Drinkard: 0 BOPD x 0 BWPD x 0 MCFD.
Paddock: 99 BOPD x 22 BWPD x 30 MCFD.
PAWO: Blinebry: 19 BOPD x 1 BWPD x 5 MCFD.
Drinkard: 9 BOPD x 1 BWPD x 10 MCFD.
Paddock: 96 BOPD x 5 BWPD x 25 MCFD.

06/19/84: Blinebry stopped pumping. Pump stuck. Attempts to free
stuck pump failed. Set of jars lost in hole when attempt-
ing to free stuck pump. Decided to leave Blinebry SI.
Last Blinebry test of record was 04-21-84 at 11 BOPD x
2 BWPD x 17 MCFD (pumping).

10/08/85: WO to acid Blinebry x Drinkard x DHC.
Acid Drinkard w/ 3000 gals. 15% NEFE HCl. Max 700,
AVG 670, AIR 2 BPM, ISIP Vac. Acid Blinebry w/ 4800 gals
NEFE 15% HCl x 1000# rock salt x 1000 gals. 30# gel
brine. Max 1400 psi, min 90 psi, ISIP 1400 psi.
PPWO: Paddock: 107 BOPD x 3 BWPD x 31 MCFD
PPWO: Blinebry: SI - stuck pump.
PPWO: Drinkard: 0 BOPD x 0 BWPD x 0 MCFD - quit
flowing.
PAWO: Blinebry & Drinkard DHC: 39 BOPD x 35 BWPD x
66 MCFD.
PAWO: Paddock: 100 BOPD x 41 BWPD x 24 MCFD.

NEW MEXICO CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

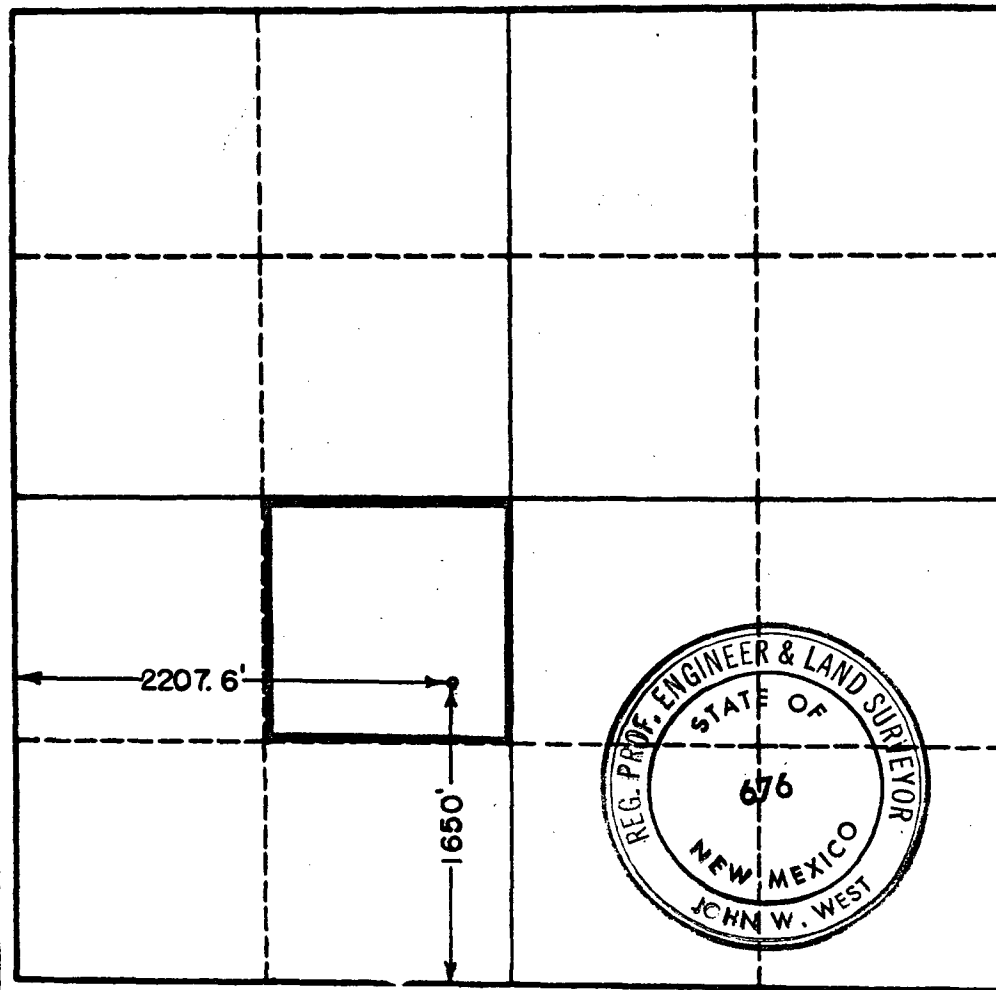
SECTION A

Operator Pan American Petroleum Corp.		Lease State "CK"		Well No. 2	
Unit Letter K	Section 19	Township 21 South	Range 37 East	County Lea	
Actual Footage Location of Well: 1650 feet from the South line and 2207.6 feet from the West line					
Ground Level Elev. Not Yet Avail.	Producing Formation Drinkard		Pool Undesignated		Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name
Original Signed by:
V. E. STALEY
Position
Area Superintendent
Company
Pan American Pet. Corp.
Date
January 19, 1962

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed
1-18-62
Registered Professional Engineer and/or Land Surveyor, **JOHN W. WEST**
John W. West
Certificate No.
N. M. - P. E. & L. S. NO. 676

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer D12, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

GAS - OIL RATIO TEST

Operator	Aneco Production Co.		Pool	Blinebry Oil & Gas		County	Lea						
Address	P.O. Box 3092 Houston TX 77253		TYPE OF TEST - (X)	☒ Scheduled ☒ Daily		Completion	☐ Special ☐						
LEASE NAME	WELL NO.	LOCATION U S T R	DATE OF TEST	SIZE	CHOKES	TBG PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBL'S	GRAV. OIL	OIL BBL'S	GAS M.C.F.	GAS - OIL RATIO CU FT/BBL
Owen B	4	N 34 21 37	9-2-91	5	—	—	—	—	—	—	—	—	—
State 161 Tract 13	5	E 36 21 37	9-2-91	F	—	50	—	24	0	—	0	201	0
State 2K	3	N 19 21 37	9-2-91	F	—	60	—	24	0	—	0	120	0

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the 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 for any well producing through casing.

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

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

Signature

Nita S. White Asst. Admin. Analyst

Printed name and title

10-1-91

Date

(713) 596 7639
Telephone No.

Application to Downhole Commingle State CK #3 :Paddock/Blinebry

Blinebry/Drinkard already commingled.

1. The latest productivity tests are as follows:

	<u>BOPD</u>	<u>BWPD</u>	<u>MCFD</u>	<u>PERFORATIONS</u>
Paddock	45	29	36	5142'-5152'
Blinebry	0	0	168	5567'-5926'

2. Neither zone produces more water than the combined oil limit as determined by Rule 303, Paragraph C.
3. The produced fluids should be compatible and commingling these fluids should not result in precipitates which might damage the reservoir. Both zones will produce sour oil and gas.
4. The value of the commingled stream will not be diminished from the value of separate stream sales.

Individual Streams

Paddock	45 BOPD x \$15.59 = \$701.55
Drinkard	0 BOPD x \$ 15.59 = <u>\$000.00</u>
	\$701.55

When commingled, sales will be the same as the individual streams.

5. Expected daily production from the commingled zones are as follows:

	<u>Paddock</u>	<u>Drinkard</u>	<u>Commingled</u>
BOPD	45	0	45
BWPD	29	0	29
MCFD	36	168	204

6. Estimated bottomhole pressures:

Paddock

Middle perf: 5147'

$$\text{BHP} = (5147') (.07 \text{ psi/ft}) + (100) = 460 \text{ psi}$$

Blinebry

Middle perf: 5747'

$$\text{BHP} = (5747')(.07) + (220) = 622 \text{ psi}$$

7. Recommended oil and gas allotments are based on reserves as follows:

OIL: 100% Paddock 0% Blinebry

Paddock(GAS)

Initial rate: 36 MCFD

End rate: 0 MCFD

Decline: 21%

$$\text{Reserves: } \frac{(365)(36-0)}{.21} = 63 \text{ MMCF}$$

Blinebry(GAS)

Initial rate: 168 MCFD

End rate: 0 MCFD

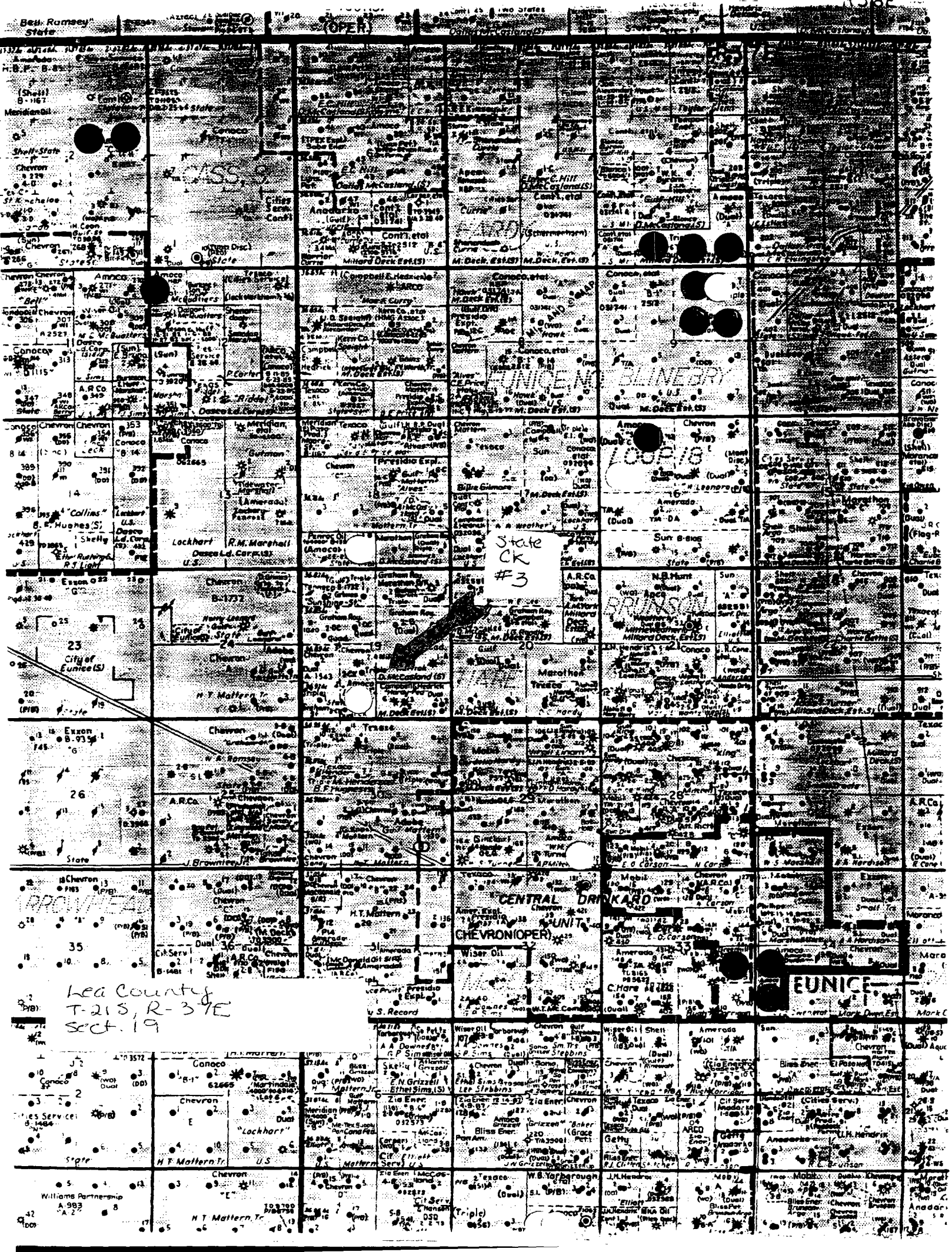
Decline: 12%

$$\text{Reserves: } \frac{(365)(168-0)}{.12} = 511 \text{ MMCF}$$

$$\text{Paddock Allocation: } \frac{\text{Paddock Reserves}(63)}{\text{Total Reserves}(574)} = 11\%$$

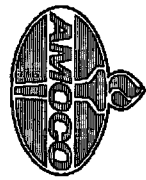
$$\text{Blinebry Allocation: } \frac{\text{Blinebry Reserves}(511)}{\text{Total Reserves}(573)} = 89\%$$

8. Both zones to be commingled have common ownership.
9. All offset operators have been notified by certified mail. Copy of receipts attached.



INDUSTRY PRODUCTION DATA RATE--TIME PLOTS

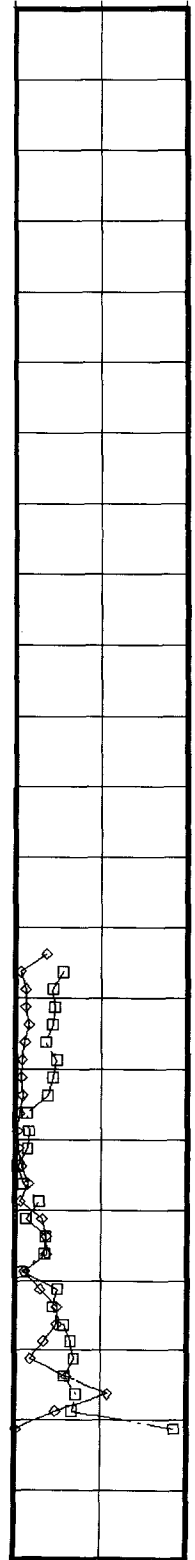
API NO: 300252054000 GENID: 4W020414



OIL
 WELL: STATE CK 000003
 FIELD: BLINEBRY (BLINEBRY) BL 008007424
 OPERATOR: AMOCO PRODUCTION CO 019922
 STATE: NM 30 COUNTY: LEA 025
 FIRST PROD LAST PROD 90 12
 REQUESTOR: CALDWELL-18UTAC LOCATION: SWTNM BU

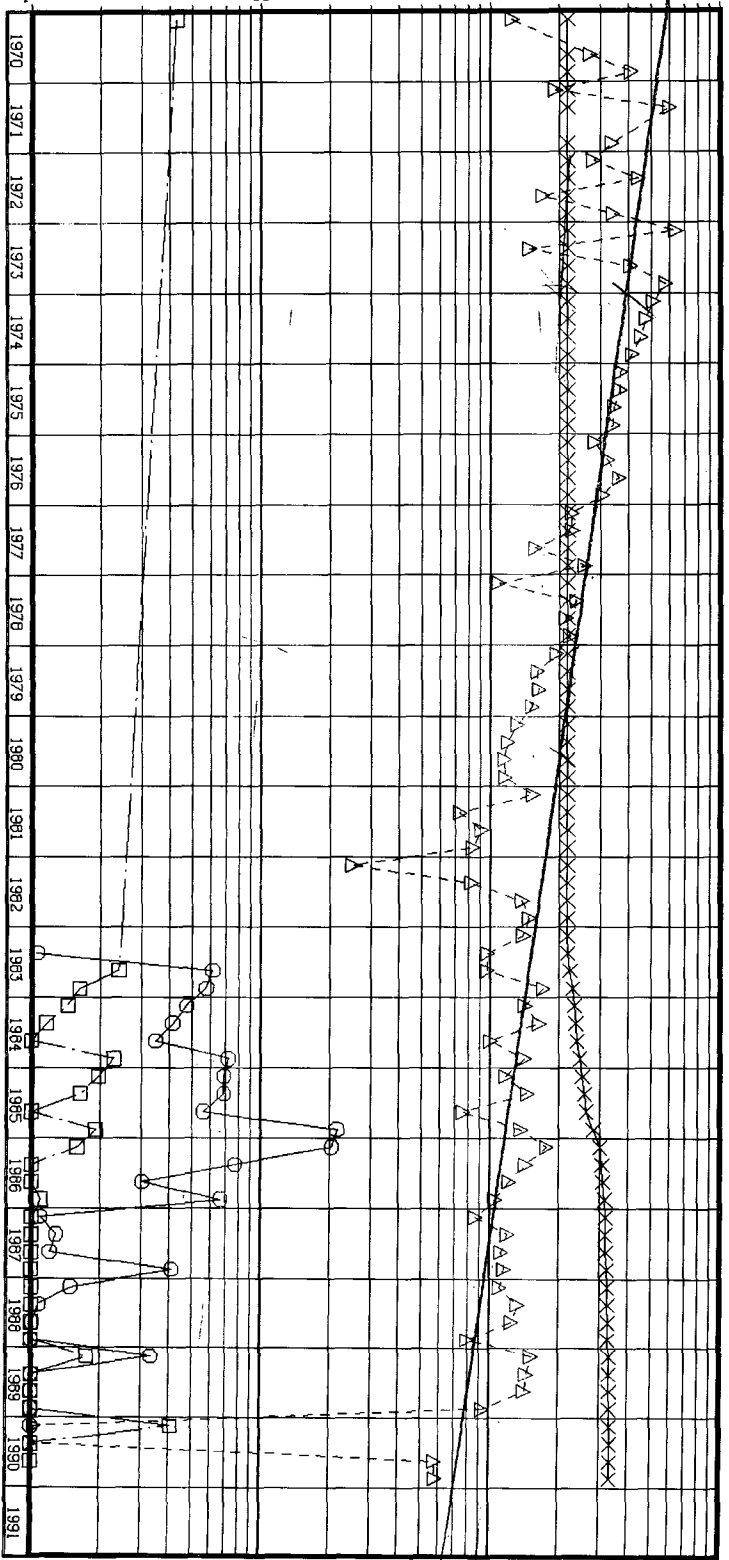
LOCATION: 19N21S 37E
 RESERVOIR: BL
 COMP DATE:
 TOT. OIL CUM: 33,404
 TOT. GAS CUM: 1,655,062
 PERFS:

PERCENT BSW
 FTP IN PSIG
 GOR - CFPB



MAJOR PRODUCT

CUM OIL PROD - BBLS
 GROSS WATER PROD - BWPD
 GROSS GAS PROD - MCFD
 GROSS OIL PROD - BOPD



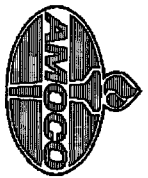
1991-06-28

TIME

REPORT NUMBER 321

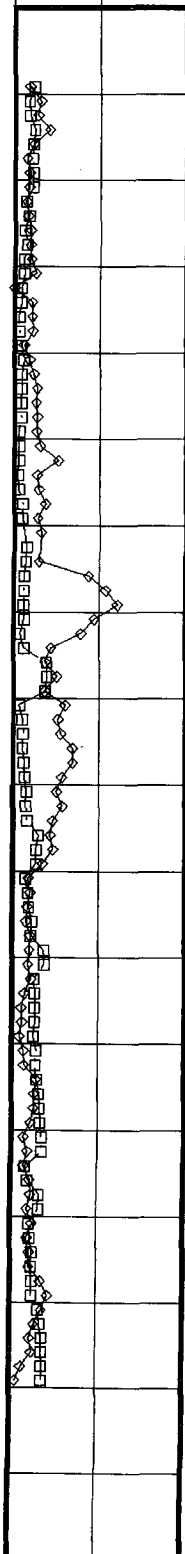
INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

API NO: 300252054000 GENID: 4W020412



OIL
WELL: STATE CK 0000003
FIELD: PADDOCK (PADDOCK) PD 008055274
OPERATOR: AMOCO PRODUCTION CO 019922
STATE: NM 30 COUNTY: LEA 025
FIRST PROD LAST PROD 90 12
REQUESTOR: CALDWELL-18JTAG
LOCATION: SWTNM BU
PERFS:
RESERVOIR: PD
COMP DATE: 83 06
TOT. OIL CUM: 218,744
TOT. GAS CUM: 84,173

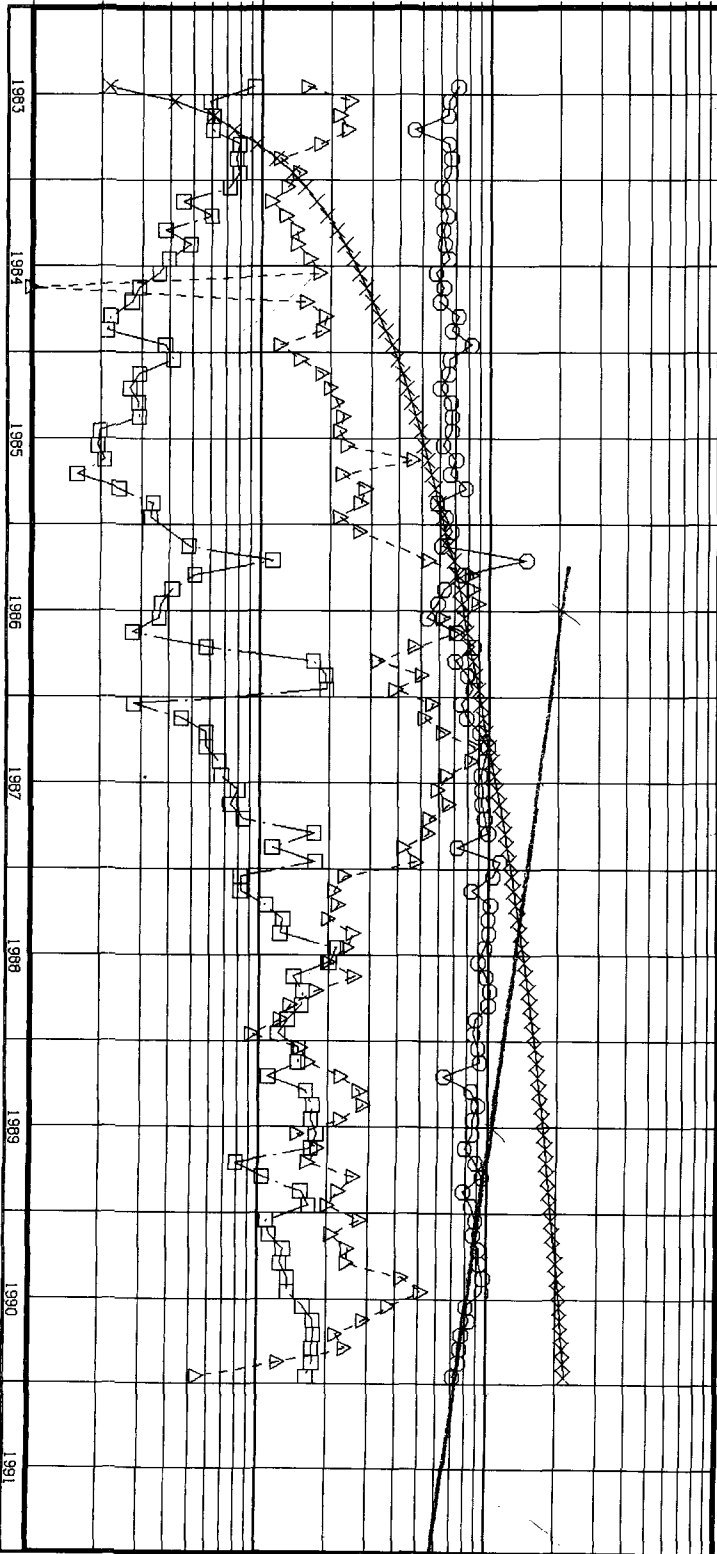
PERCENT BSW
FTP IN PSIG
GOR - CFPB



MAJOR PRODUCT

1983 1984 1985 1986 1987 1988 1989 1990 1991

CUM OIL PROD - BBLs
GROSS WATER PROD - BWPD
GROSS GAS PROD - MCFD
GROSS OIL PROD - BOPD



1991-06-28

TIME

REPORT NUMBER 321

6/10



Amoco Production Company
Diagrammatic Sketch

Elevations

KB: 3,514'

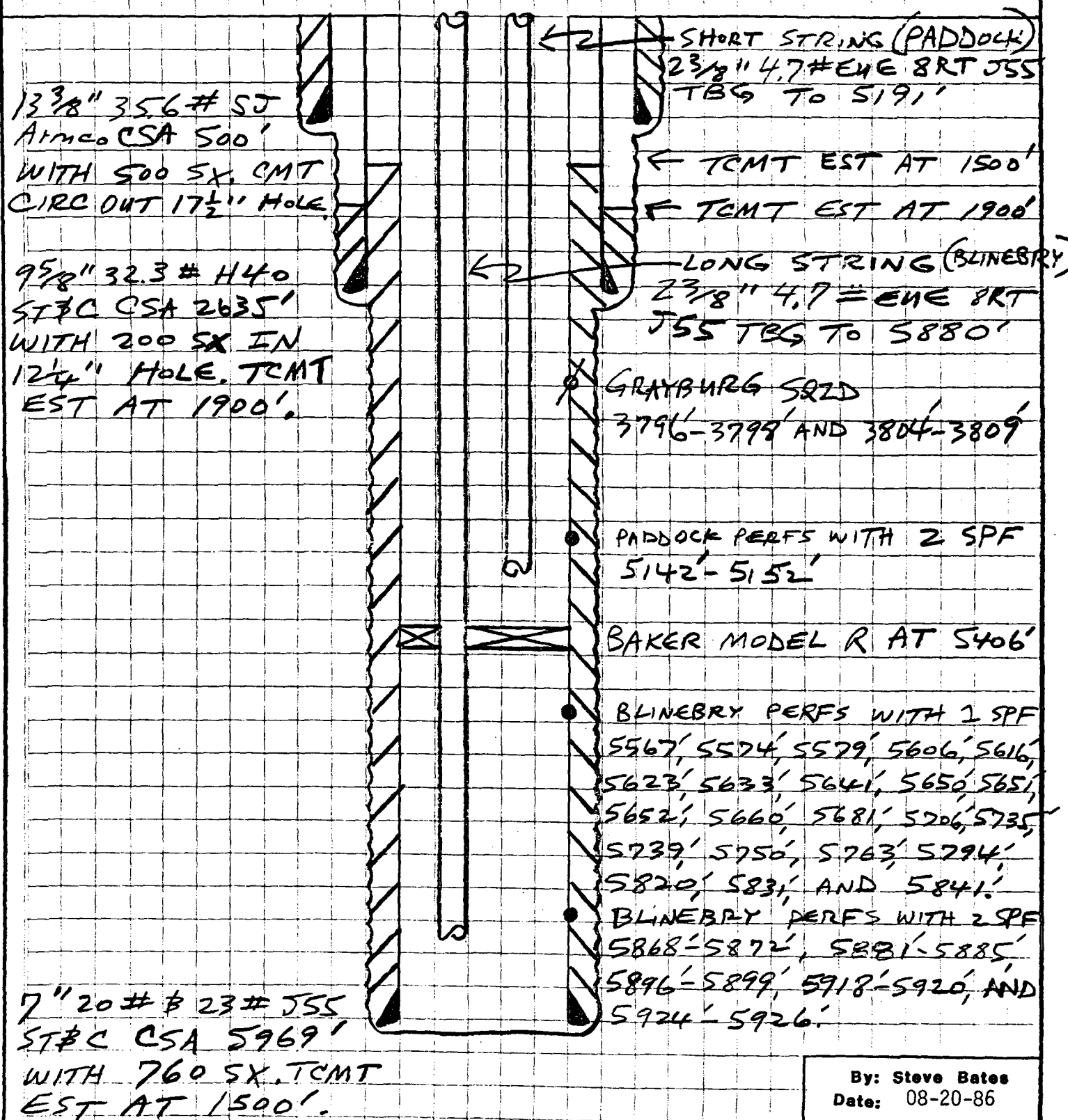
DF: 3,513'

GL: 3,504'

Well: State "CK" No. 3

Location: 330' FSL x 1549' FWL (N-19-21-37), Lea County, NM

Date: 06-13-63
(of first completion)



By: Steve Bates
Date: 08-20-86

State "CK" Well No. 3 (330' FSL x 1549' FWL)
(Unit Letter N, Section 19, T-21-S, R-37-E)
Blinebry - 40 Acres Dedicated
Paddock - Shares 40 Acres With State "CK" No. 1
Casinghead Gas Sold to Getty
Blinebry-Paddock Dual - Oil
Page 1 of Well History

- 12/04/62: Spud. 17-1/2" hole. 13-3/8" OD 35.6# SJ Armco casing set @ 500' w/ 500 sxs Neat Cmt circulated. Reduced hole to 12-1/4".
- 12/09/62: 9-5/8" OD 32.3# H-40 ST&C csg and set at 2635' w/ 200 sxs Neat Cmt. Reduced hole to 8-3/4" at 2635'. 7" OD 20-23# J-55 ST&C csg x set @ 5,969' w/ 420 sxs Incor Neat and 2# Tuffplug per sx followed w/ 340 sxs Incor Neat. Top cmt 1500'.
- 06/13/63: Perf Blinebry @ intervals 5868-72', 5881-85', 5896-99', 5918-20', and 5924-26' w/ 2 JSPF. Acd w/ 1000 gals. Max 2750, min 2700, AIR 4 BPM. S-O-F w/ 17,000 oil and 34,000# sand. Re-perf 5868-98', 5918-26 w/ 2 JSPF, re-acd w/ 15,000 gallons. Max 4700, min 2000, ISIP 2250, AIR 6 BPM. Perf Grayburg intervals 3796-98', 3804-09' w/ 2 SPF and acd w/ 1000 gals LSTNE. Max 2200, min 1500, AIR 5 BPM. Set Baker Model "D" Packer at 4000'. Sand oil frac'd w/ 10,000 gallons oil & 20,000# sand. On tst, Grayburg flwd 62 BO x 15 BW x 276 MCFD in 24 hrs thru 14/64" choke. Well dually completed in Penrose Skelly Grayburg and Blinebry.
Blinebry IPF: 11 BOPD x 0 BWPD x 19 MCFD.
- 12/01/69: Recomplete from dual Penrose Skelly/Blinebry to dual Paddock/Blinebry as follows:
Squeeze perfs 3796-98' and 3804-09' w/ 100 sxs. Incor Neat.
- 01/28/70: Perf add'l. Blinebry intervals 5567', 5574', 5579', 5606', 5616', 5623', 5633', 5641', 5650-52', 5660', 5681', 5706', 5735', 5739', 5750', 5763', 5794', 5820', 5831', 5841' w/ 1 JSPF. Acd 5,567-5,841' w/ 3,000 gals. 15% LSTNE. Max 3700, min 2400, ISIP 1000, AIR 15 BPM. Frac w/ 40,000 gallons of gelled brine x 35,000# sand. Flush w/ brine wtr containing 25#/1000 gallons guar gum. Perf Paddock from 5142' to 5152' w/ 2 JSPF. Acd Paddock perfs w/ 500 gals 15% LSTNE. Max 2000, min 800, AIR 4 BPM, ISIP 600. Well dually completed in Blinebry and Paddock.
PPWO: Blinebry: Flw 11 BOPD x 0 BWPD x 113 MCFD.
PAWO: Blinebry: Flw 0 BOPD x 12 BWPD x 930 MCFD.
Paddock: Pmp 88 BOPD x 42 BWPD x 12 MCFD.
- 09/12/83: Blinebry reclassified from gas well to oil well.

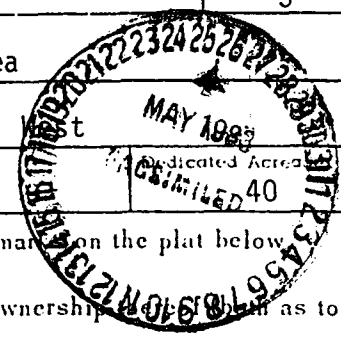
NF MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION AT

Form C-102
Supersedes C-128
Effective 1-1-65

WE

All distances must be from the outer boundaries of the Section.

Operator Amoco Production Company			Lease State CK			Well No. 3
Unit Letter N	Section 19	Township 21-S	Range 37-E	County Lea		
Actual Footage Location of Well: 330 feet from the South line and 1549 feet from the East line						
Ground Level Elev. 3504'	Producing Formation Blinebry		Pool Blinebry-Oil		Dedicated Acreage 40	

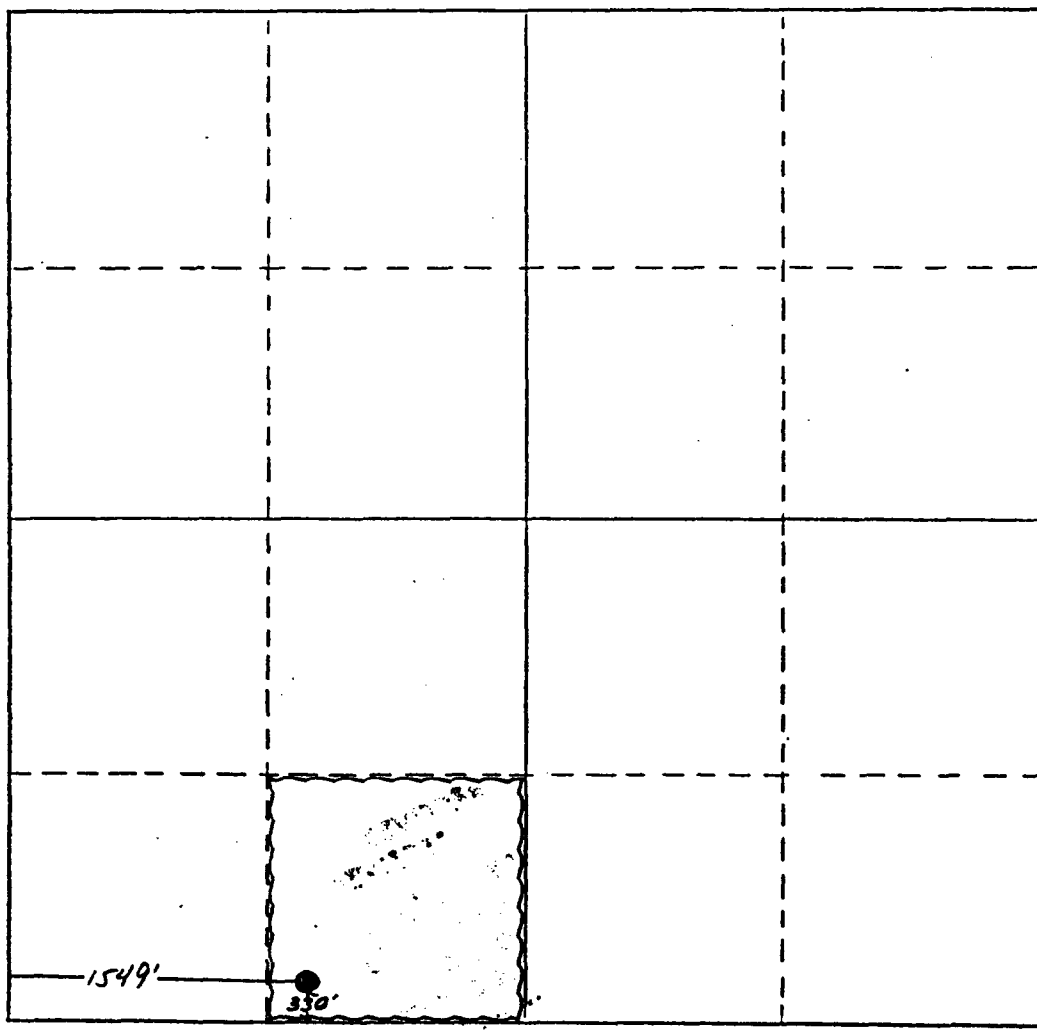


1. Outline the acreage dedicated to the subject well by colored pencil or hatchure mark on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership (as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name *Charles M. Lanning*
Position
Assist. Admin. Analyst

Company
Amoco Production Company

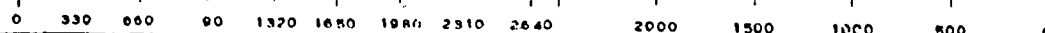
Date
May 23, 1983

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.



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

OIL CONSERVATION DIVISION

GAS - OIL RATIO TEST

Operator						Pool		County		Lea					
Amoco Production Company															
Address P. O. Box 3092, Houston, TX 77253						Drinkard									
						TYPE OF TEST - (X)		Scheduled ☒		Completion ☐ Special ☐					
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	TBG PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU.FT/BBL.		
		U	S	T	R						WATER BRLS.	OIL BRLS.		GAS MCF.	
State CK	1	N	19	21	37	3/28/92	P			24	4	33.2	13	392	
	2	K	19	21	37	4/2/92 Drinkard Blinebry	P	0 11 <u>40</u> 60	Gas <u>57</u> 43		24	39 15.6 23.4	22.6 9 13.6	25 14 11	1,106 1,556 809
State E Tract 27	1	N	18	21	37	2/23/92 Drinkard Blinebry	P	0 11 <u>61</u> 39	Gas <u>31</u> 69		24	3 2 1	11 6.7 4.3	56 17 39	5,091 2,537 9,070

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

Signature Richard L. Collins

Printed name and title Kim A. Colvin Asst. Admin. Analyst

Date 5/6/92 Telephone No 713/596-7686

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

AMOCO PRODUCTION COMPANY - WELL TESTS FOR APR/01/92-JUN/09/92

FIELD: 1196 - HOBBS

STATE /CK/ STATE /CK/	WELL NAME	WELL NO.	FLAC	TEST DATE	OIL BBLs	WATER BBLs	GAS MCF	GOR	WOR	BSW	INJ. VOL
3 3		3	925045015 925045015	05/28/92 04/23/92	1.00 .00	1.00 .00	170 168	170.000 .000	1.00 .00	50.0 .0	0 0