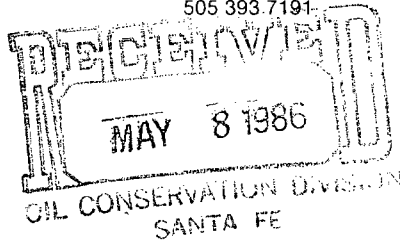




Texaco USA

P O Box 728
Hobbs NM 88240
505 393 7191



May 1, 1986

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

Attention: Mr. R. L. Stamets
Secretary-Director

RE: DOWNHOLE COMMINGLING
A. H. BLINEBRY FEDERAL (NCT-1) NO. 13
UNIT E, SEC. 29, T-22-S, R-38-E
BLINEBRY OIL & GAS & DRINKARD FIELDS
LEA COUNTY, NEW MEXICO

Gentlemen:

Texaco Inc. respectfully requests Administrative approval to downhole commingle production from the Blinebry Oil and Gas and Drinkard pools in the wellbore of A. H. Blinebry Federal NCT-1 Well No. 13 in accordance with NMOC Rule 303-C. Downhole commingling of these zones was previously approved for this well by Permit No. DHC-130. However, the Blinebry zone was squeezed in 1977 to allow deepening the well to test the Granite Wash formation. The Granite Wash proved to be nonproductive and the well has produced as a single Drinkard completion since that time.

This well meets all prerequisites for downhole commingling, as described in NMOC Rule 303-C, 1(a-h). The ownership of these zones is common, including working interest, royalty and overriding royalty. These zones have been surface commingled on this lease and no incompatibility of the fluids has been found.

Allocation of these oil zones will be as follows: 90% to Blinebry Oil and Gas and 10% to Drinkard.

State of New Mexico

-2-

May 1, 1986

All Offset Operators (list attached) and the United States Geological Survey have been notified of this application by copy of this letter.

Yours very truly,



W. B. CADE
District Operations Manager

GKB:JRB

Attachments

cc: Department of Energy & Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

United States Geological Survey
P. O. Box 1157
Hobbs, New Mexico 88240

Offset Operators
(List Attached)

OFFSET OPERATORS
A. H. BLINEBRY FEDERAL NCT-1 LEASE

Bravo Energy, Inc.
P. O. Box 2160
Hobbs, New Mexico 88240

Kirby Exploration Co. of TX.
1527 - 19th Street
Denver, Colorado 80202

Chevron U.S.A., Inc.
P. O. Box 670
Hobbs, New Mexico 88240

Samedan Oil Corporation
10 Desta Drive
Suite 240
Midland, Texas 79705

Exxon Company U.S.A.
P. O. Box 2180
Exxon Building
Houston, Texas 77001

Summit Energy, Inc.
112 N. First Street
Artesia, New Mexico 88210

Fina Oil & Chemical Company
1004 N. Big Spring St.
Midland, Texas 79701

Union Texas Petroleum
4001 Bloomfield Highway
Farmington, New Mexico 87401

Hanson Operating Co., Inc.
P. O. Box 1515
Roswell, New Mexico 88202-1515



Texaco USA

P O Box 728
Hobbs NM 88240
505 393 7191

May 1, 1986

Bureau of Land Management
P. O. Box 1857
Roswell, New Mexico 88201

RE: DOWNHOLE COMMINGLING
A. H. BLINEBRY FEDERAL (NCT-1) NO. 13
UNIT E, SEC. 29, T-22-S, R-38-E
BLINEBRY OIL & GAS & DRINKARD FIELDS
LEA COUNTY, NEW MEXICO

Gentlemen:

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This well meets all prerequisites for downhole commingling, as described in NMOCD Rule 303-C, 1(a-h). The ownership of these zones is common, including working interest, royalty and overriding royalty. These zones have been surface commingled on this lease and no incompatibility of the fluids has been found.

Allocation of these oil zones will be as follows: 90% to Blinebry Oil and Gas and 10% to Drinkard.

May 1, 1986

All Offset Operators (list attached) and the United States Geological Survey have been notified of this application by copy of this letter.

Yours very truly,



W. B. CADE
District Operations Manager

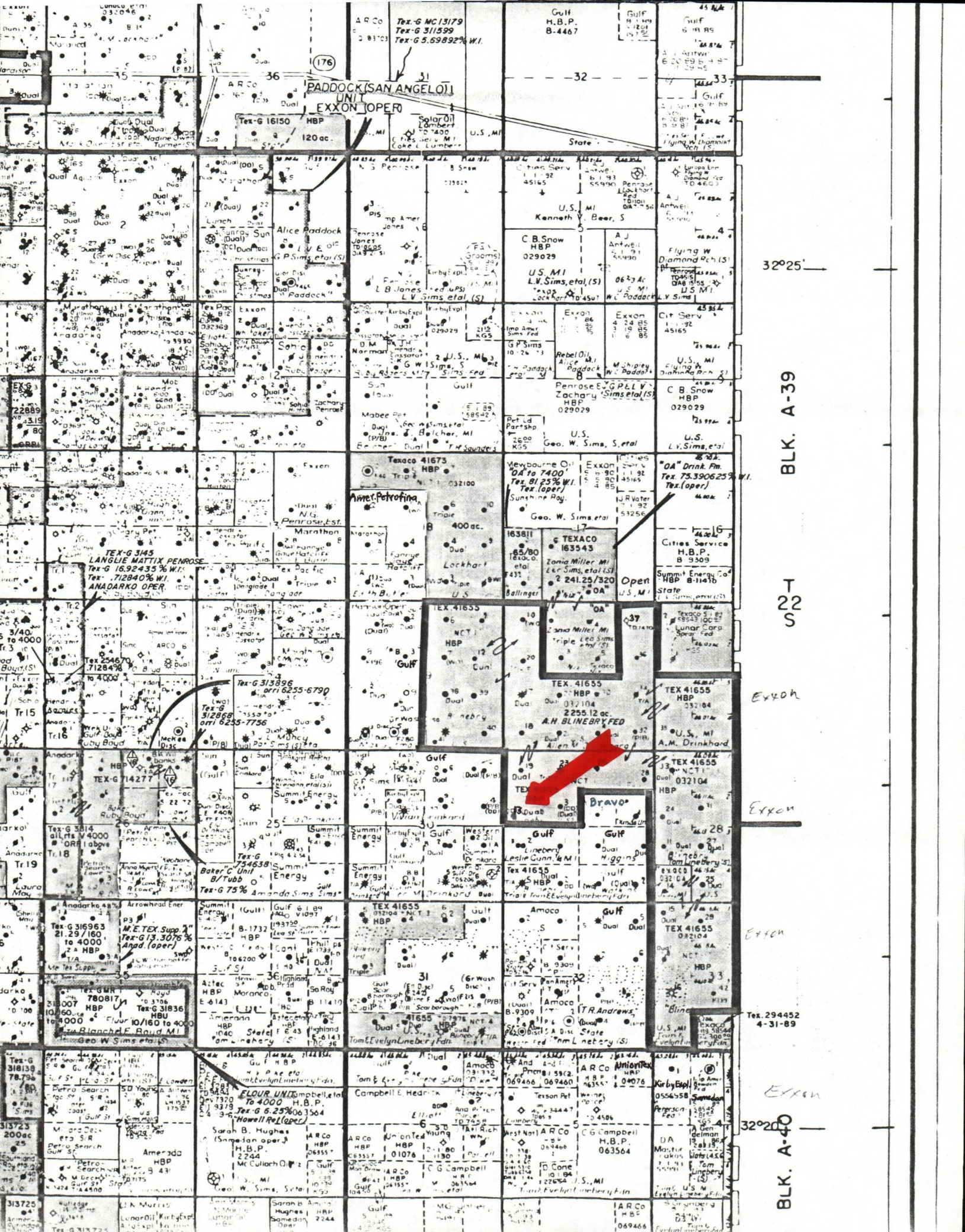
GKB:JRB

Attachments

cc: Department of Energy & Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240

United States Geological Survey
P. O. Box 1157
Hobbs, New Mexico 88240

Offset Operators
(List Attached)



PADDOCK (SAN ANGELO) UNIT
EXXON OPER

32°25'

BLK. A-39

T 22 S

Exxon

Exxon

Exxon

Exxon

32°20'

BLK. A-40

Tex. 294452
4-31-89

Exxon

Exxon

Exxon

DATA SHEET FOR WELLBORE COMMINGLING

Operator: Texaco Inc.
Address: P. O. Box 728, Hobbs, New Mexico 88240
Lease and Well No: A. H. Blinebry Federal NCT-1 Well No. 13
Location: Unit E; 2310 Feet from the North Line and
330 Feet from West Line of Section 29;
Township 22-S, Range 38-E; Lea County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Blinebry Oil & Gas</u>	<u>Drinkard</u>
Producing Method	<u>Pump</u>	<u>Pump</u>
BHP	<u>550 (Est.)</u>	<u>850 (Est.)</u>
Type Crude	<u>Sweet</u>	<u>Sweet</u>
Gravity	<u>38.4° API</u>	<u>38.4° API</u>
GOR Limit	<u>428 MCFD</u>	<u>852 MCFD</u>
Completion Interval	<u>5497 - 5982</u>	<u>7026 - 7256</u>
Current Test Date	<u>4-23-86</u>	<u>3-10-86</u>
Oil	<u>87</u>	<u>6</u>
Water	<u>150</u>	<u>3</u>
GOR	<u>1264</u>	<u>6000</u>
Selling Price of Crude-\$/BBL.	<u>14.02</u>	<u>14.02</u>
Daily Income - \$/Day	<u>1,219.74</u>	<u>84.12</u>

COMMINGLED DATA:

Gravity of Commingled Crude 38.4
Selling Price of Commingled Crude - \$/BBL. 14.02
Daily Income - \$/Day 1,303.86

Net (Gain) (Loss) From Wellbore Commingling - \$/Day 1,219.74
Based on current producing rates.

GAS-OIL RATIO TESTS

Page 2 of 9

Company		Address		County		Loc.		Schedule		Completion		Records																					
TEXACO INC.				Drinhard				TEST - (X)		Completion ☐		Records ☐																					
P. O. Box 728, Hobbs, New Mexico 88240				TYPE OF TEST - (X)		Schedule ☒		Completion ☐		Records ☐																							
LEASE NAME				WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TBO. PRESS.		DAILY ALLOW. ABLR		WATER TEST		PROD. DURING TEST		GAS - OIL RATIO													
A. H. Blinbury Federal				11		L		28		225		38E		3-12-84		R				4		24		-		367		4		24		6000	
Drinhard = 50%																				2		24		-		367		2		~		"	
Downhole Comingling																				2		24		-		367		2		~		"	
Permit No. DHC-7																																	
12				M		19		225		38E		3-8-84		R						7		24		2		377		9		56		6222	
Drinhard = 40% - 0 = 80% - G																				4		24		1		377		4		45		11250	
Blinbury = 60% - 0 = 20% - G																				3		24		1		377		6		11		1833	
Downhole Comingling																																	
Permit No. DHC-271																																	
13				E		29		225		38E		3-10-84		R						6		24		3		384		6		36		6000	
14				M		28		225		38E		780																					
15				D		33		225		38E		3-5-84		R						2		24		-		367		1		3		2000	
19				D		29		225		38E		3-6-84		R						3		24		-		384		3		14		4667	
Drinhard = 40%																				1		24		-		364		1		~		"	
Blinbury = 60%																				2		24		-		364		2		~		"	
Downhole Comingling																																	
Permit No. DHC-54																																	
20				E		20		225		38E		3-12-84		R						4		24		3		377		6		53		8833	
Drinhard = 75% - 0 = 70% - G																				2		24		-		377		4		37		9250	
Blinbury = 12% - 0 = 0% - G																				1		24		2		377		1		3		3000	
Tubg = 12% - 0 = 24% - G																				1		24		1		377		1		13		13000	

The well can be assigned an allowable greater than the amount of oil produced on the official test.

During go-out role test, each well shall be produced at a rate not exceeding the top well 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 allowable when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 14.73 psia and a temperature of 60° F. Specific gravity base will be 0.64.

Stopper testing procedure in lieu of tubing pressure for any well producing through casing.

Keep original and send copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 203 and appropriate pool rules.

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

Signature

Find

(Dover)

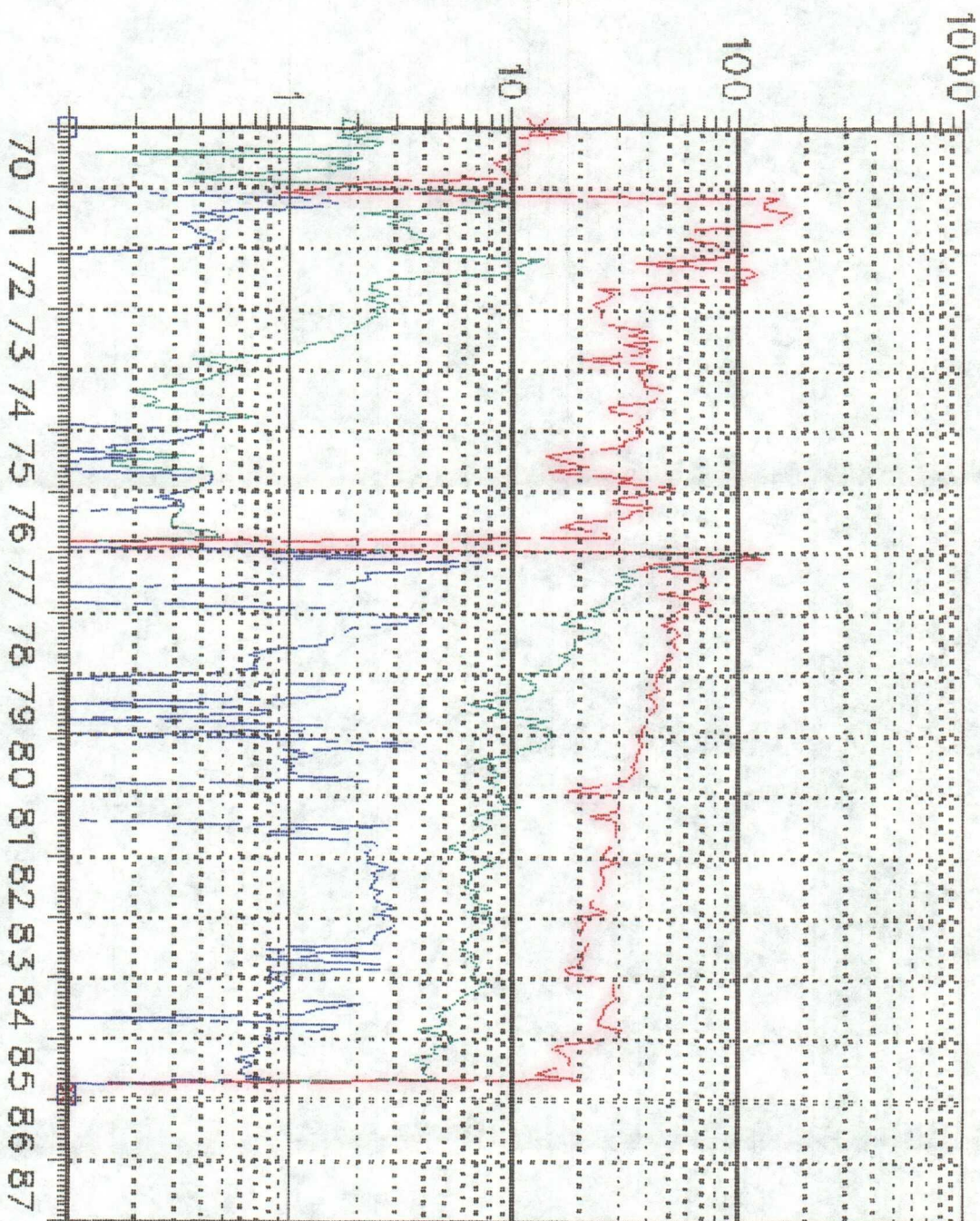
NEW MEXICO REGION

PRODUCTION VS TIME

86-04-25

STATE: NEW MEXICO
REG. DIST: -DIST NOT OBTAINED-
COUNTY: LEA
FLD: DRINKARD
ZONE: DRINKARD

PROP: A H BLINBERRY FEDERAL NCT 1 BATTERY
PROP NO: 53070 WNUM: 013
LOCATION: 22S 38E 29 E
OPER: TEXACO INCORPORATED



UPPER PERF:
LOWER PERF:

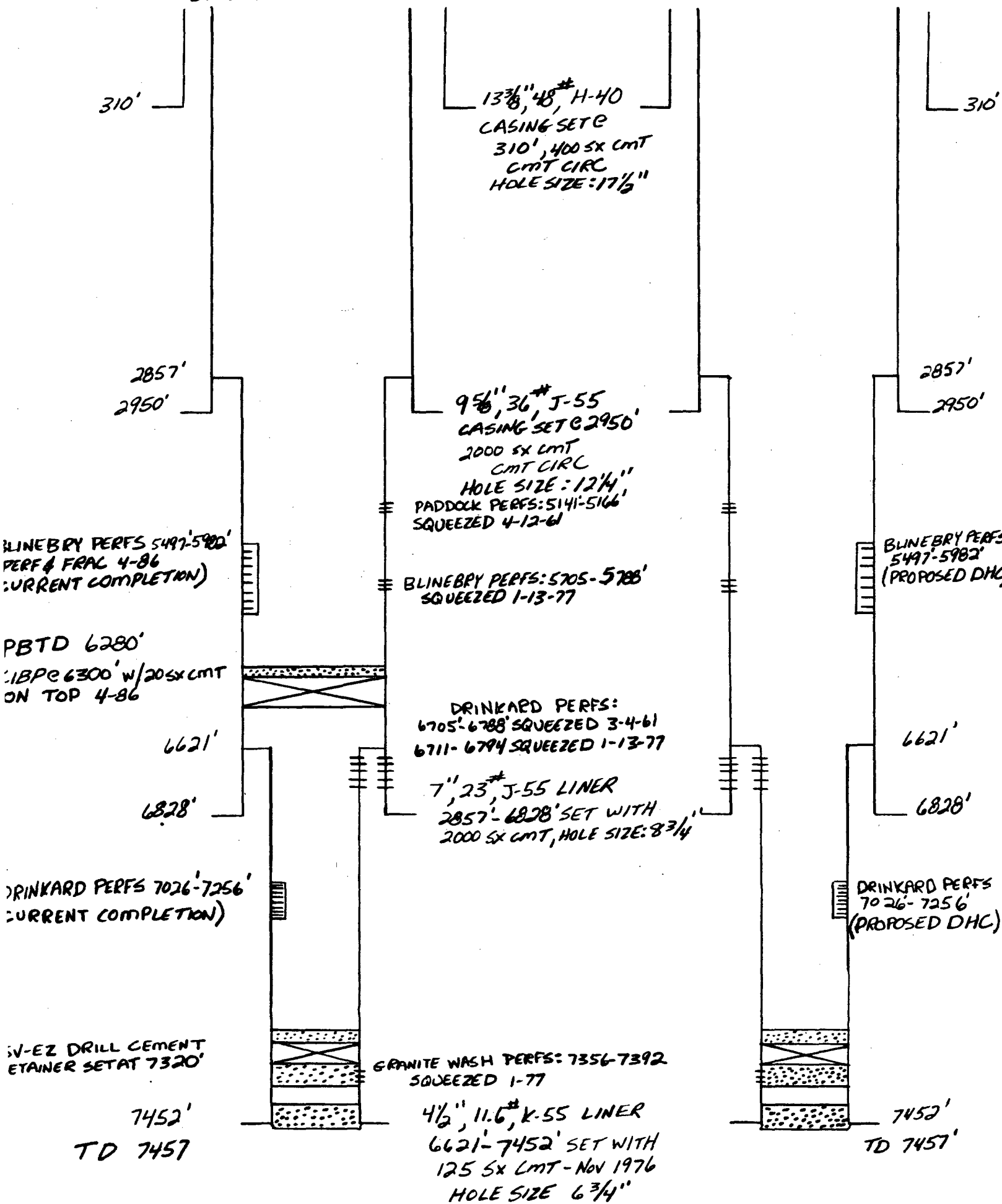
CUM. TOTALS
THRU 12/31/85
CRUDE: 65751
GAS : 299253
WATER: 4983

△ CRUDE (BBLS)
× GAS (MCF)
□ WATER (BBL)

A.H. BLINEBRY FEDERAL (NCT-1) No.13
 UNIT E, SECTION 29, T-22S, R-38E
 BLINEBRY OIL AND GAS & DRINKARD FIELDS
 3375' G.L.
 3387' K.B. - ALL MEASUREMENTS

PRESENT
 SINGLE ZONE PRODUCTION

PROPOSED
 DOWNHOLE COMMINGLING

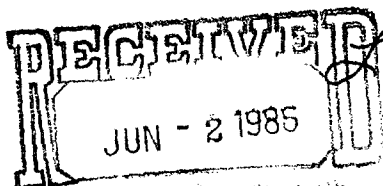


LUPE DE LEON

5-30-86

David,

here is the form C-116 that
you requested. If additional
information is needed, please
call me at 393-7191. Thank you.



Lupe de Leon

OIL CONSERVATION DIVISION
SANTA FE

Re: Downhole Commingling Application

A.H. Blinbry Nct-1 No. 13

GAS-OIL RATIO TESTS

Operator		Pool		County										
TEXACO INCORPORATED		BLUEBRY OIL AND GAS		LEA										
Address		TYPE OF TEST - (X)		Completion ☒ Special ☐										
P.O. BOX 708, HOBBS, NEW MEXICO 88240		SCHEDULED ☐												
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BBL
		U	S	T						R	WATER BBL.	GRAV. OIL	OIL BBL.	
A.H. BLUEBRY FEDERAL NCT-1	13	E	29	22S	38E	5-23-86	P	N/A	24	33	38.4	33	210	6364

No well will be assigned an allowable greater than the amount of oil produced on the official test.

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 allowable 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.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Division in accordance with Rule 301 and appropriate pool rules.

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

W. H. Baker
(Signature)
DISTRICT OPERATIONS MANAGER
(Title)
E-30-01



PETROLEUM PRODUCTS

January 13, 1977

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

Re: Administrative Order No. DHC-130
A.H. Blinebry Federal (NCT-1)
Well No. 13, Unit E, Section 29,
Township 22 South, Range 38 East
NMPM, Blinebry and Drinkard

Gentlemen:

Please cancel subject administrative Order No. DHC-130, as Blinebry zone has been abandoned and Well No. 13 is now completed as a single completion in the Drinkard zone.

Yours very truly,

V. G. JOHNSTON
Asst. Dist. Supt.

JWB/kw

Texaco, Inc.

Above referenced order has been cancelled in compliance with your request.

J. D. RAMEY
Secretary-Director



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 1157
Hobbs, New Mexico 88240

May 9, 1973

Texaco Inc.
Attention: J. V. Cannon
P. O. Box 728
Hobbs, New Mexico 88240

Gentlemen:

Your letter of April 27 requests approval to commingle production from the Blinebry and Drinkard formations in the well bore of well No. 13 Blinebry Federal (NCT-1) located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 22 S., R. 38 E., Lea County, New Mexico, lease Las Cruces 032104.

Your proposal to commingle Blinebry and Drinkard production in the well bore of well No. 13 Blinebry Federal (NCT-1) is hereby approved subject to like approval by the New Mexico Oil Conservation Commission.

Sincerely yours,

(Orig. Sgd.) ARTHUR R. BROWN

Arthur R. Brown
District Engineer

cc: New Mexico Oil Conservation Commission ✓
P. O. Box 2088
Santa Fe, New Mexico 87501





OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

May 20, 1973

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

Texaco Inc.
Drawer 728
Hobbs, New Mexico 88240

Attention: Mr. J. V. Gannon

Administrative Order No. DHC-130
A. H. Blinebry Federal (NCT-1)
Well No. 13, Unit E, Section 29,
Township 22 South, Range 38 East,
NMPM, Blinebry and Drinkard

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Commission Rules and Regulations for the subject dually completed well to permit the removal of the down-hole separation equipment and to commingle the production from both pools in the well-bore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not be violated thereby, you are hereby authorized to commingle the production as described above and Commission Order No. MC-1074, which authorized the dual completion and required separation of the zones, is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C, total commingled oil production from the subject well shall not exceed 100 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by multiplying 6000 by top unit allowable for the Drinkard Pool.

-2-

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Upper Pool: 90%
Lower Pool: 10%

Pursuant to Rule 303-C 5, the commingling authority granted by this order may be rescinded by the Secretary-Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,

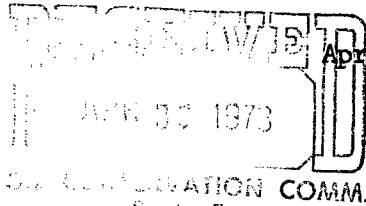
A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico



PETROLEUM PRODUCTS



April 23, 1973

DHC-130
Rec May 20
TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Wellbore Commingling
A. H. Blinebry Federal NCT-1 Well No. 13
Blinebry (Oil) and Drinkard (Oil) Pools
Lea County, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

TEXACO Inc. respectfully requests administrative approval under the provisions of Order No. R-3845 to commingle in the wellbore oil production from the Blinebry and Drinkard pools which are dually completed as permitted by Administrative Order MC-1074, dated June 7, 1961, in Well No. 13 on the A. H. Blinebry Federal (NCT-1) Lease, Battery 2, located in Unit E, Section 29, Township 22-South, Range 38-East, Lea County, New Mexico.

The subject well, for which wellbore commingling approval is requested, qualifies under the provisions of Statewide Rule 303C; which provides for administrative application and approval of wellbore commingling. Both zones are classified as oil zones and produce oil and gas rates below the limits specified in the subject order. The Blinebry zone is flowing, while the Drinkard zone is produced by artificial lift. Therefore, the commingled production is to be produced by artificial lift as per requirements. Neither the Blinebry nor the Drinkard zone produce water in the subject well. The fluids from these two reservoirs have been commingled in common storage on the surface for several years and are known to be compatible. There is no evidence of scale or precipitates forming due to the commingling of these pools. The total value of the crudes will not be reduced as they are already sold through common lease storage. The working interest, royalty, and overriding royalty on both zones are common. Future secondary recovery operations will not be jeopardized in either zone by commingling.

To comply with the above mentioned order, a data sheet is attached with all the required data for the two reservoirs currently being produced in the well. Also attached is a production curve for each zone which may be used to allocate production. Well tests are included as submitted on Form C-116.

April 23, 1973

As the lease on which the subject well is located is a Federal Lease, a copy of this application is being submitted to the U. S. Geological Survey. Copies are also being mailed to each of the offset operators shown on the attached list.

Yours very truly,



E. V. Gannon
District Superintendent

EOT-dh

Attachment
NMOCC-Hobbs
USGS
Offset Operators

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator TEXACO Inc.		Pool Blinebry		County Lea	
Address P. O. Box 728, Hobbs, New Mexico 88240				Type of Test - (X) ☐ Scheduled ☐ Completion ☐ Special ☒	
LEASE NAME A. H. Blinebry Fed. NCT-1	WELL NO. 13	LOCATION U S T R			DATE OF TEST 4-6-73
		E	29	22-S	
					4-6-73
					F 22/64
					145
					5
					24
					0
					87.8
					5
					87
					17,400

No well will be assigned an allowable greater than the amount of oil produced on the official test.

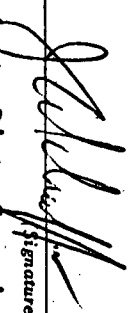
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized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

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.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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


 Asst. Dist. Superintendent
 (Title)
 April 19, 1973
 (Date)

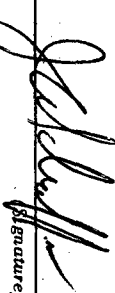
**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

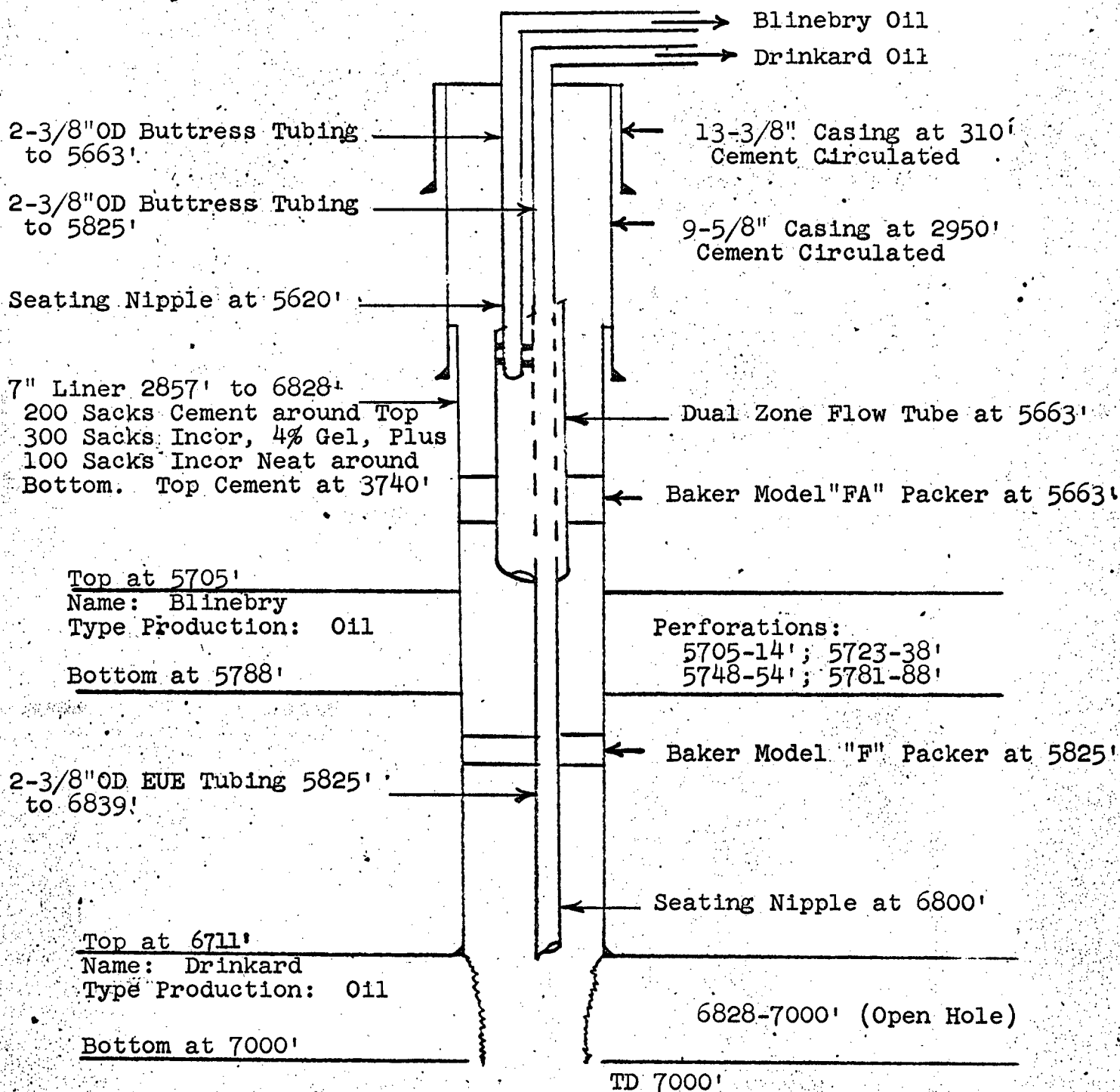
Operator TEXACO Inc.		Pool Drinkard		County Lea										
Address P. O. Box 728 - Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion ☐ Special ☒										
LEASE NAME A. H. Blinebry Fed. NCT-1	WELL NO. 13	LOCATION			DATE OF TEST 4-11-73	STATES P	CHOKE SIZE -	TBG. PRESS. -	DAILY ALLOW-ABLE 3	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL. 13,000
		U	S	T							R	WATER BBLs.	GRAV. OIL BBLs.	

No well will be assigned an allowable greater than the amount of oil produced on the official test.
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 Commission.
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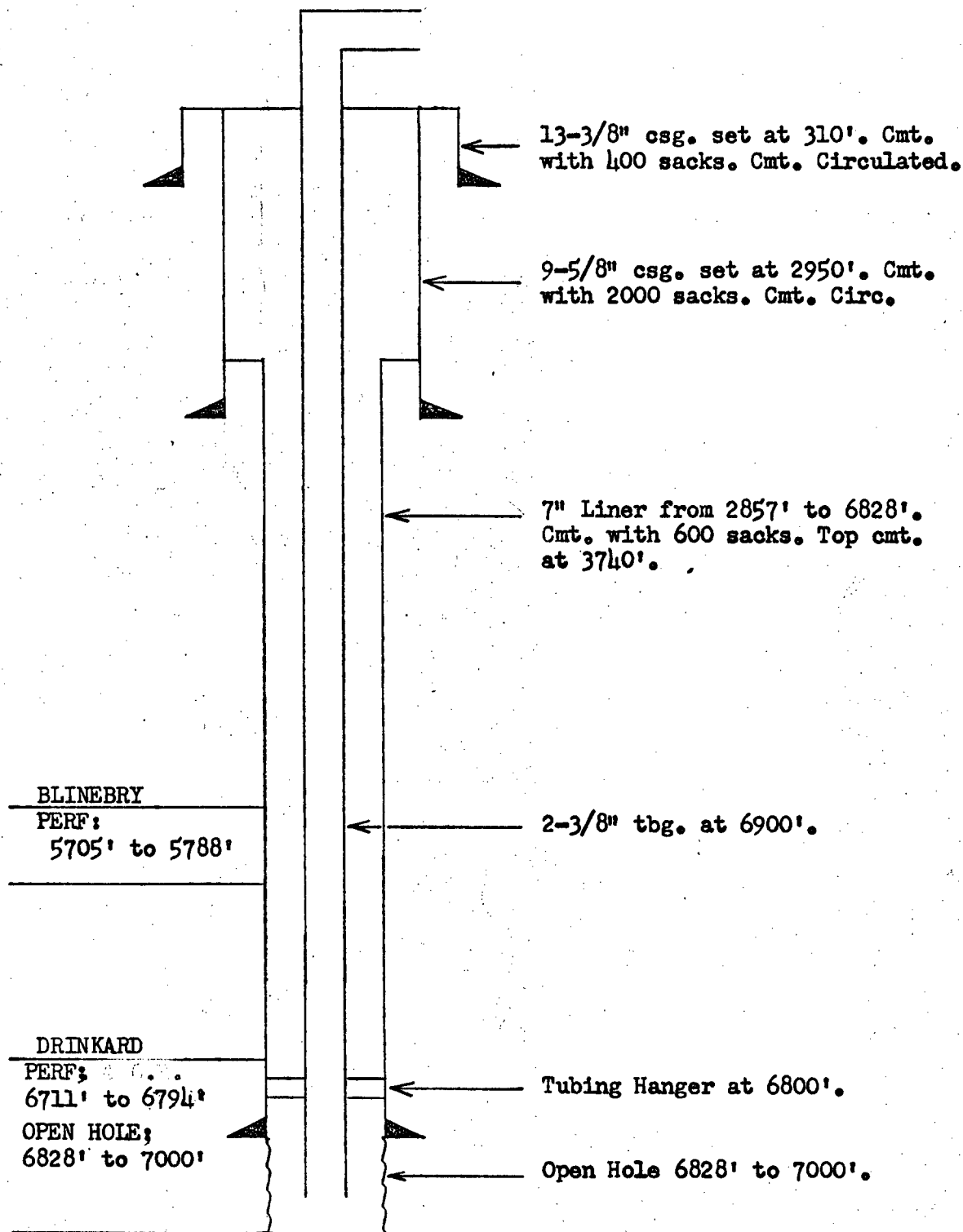


Asst. Dist. Superintendent
(Title)
April 19, 1973
(Date)



DIAGRAMMATIC SKETCH OF DUAL COMPLETION INSTALLATION

TEXACO Inc.
 A. H. Blinebry (NCT-1) Well No. 13
 Blinebry (Oil) and Drinkard Pools



PROPOSED COMPLETION
 TEXACO INC.
 A.H. BLINEBRY (NCT-1) WELL NO. 13
 BLINEBRY AND DRINKARD POOLS
 LEA COUNTY, NEW MEXICO

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

Address: P. O. Box 728, Hobbs, New Mexico 88240

Lease and Well No.: A. H. Blinebry Federal NCT-1 Well No. 13

Location: Unit E, 2310 Feet from the North Line and 330 Feet from West
Line of Section 29; Township 22-S, Range 38-E; Lea County New Mexico.

WELL DATA

	<u>Upper Pool</u>	<u>Middle Pool</u>	<u>Lower Pool</u>
Name of Pool	Blinebry		Drinkard
Producing Method	Flowing		Pumping
BHP	902		500 (Est.)
Type Crude	Sweet		Sweet
Gravity	37.8		38.6
GOR Limit	6000		6000
Completion Interval	5705-5788		6711-7000
Current Test Date	4-6-73		4-11-73
Oil	5		2
Water	0		0
GOR	17,400		13,000
Selling Price of Crude - \$/BBL.	\$3.51		\$3.51
Daily Income - \$/Day	\$17.55		\$7.02

COMMINGLED DATA:

Gravity of Commingled Crude 38.0

Selling Price of Commingled Crude - \$/BBL. \$3.51

Daily Income - \$/Day \$24.57

Net (Gain) (Loss) from Wellbore Commingling - \$/Day None Crudes are now com-
based on current producing rates. mingled on surface



COLEMAN PETROLEUM ENGINEERING COMPANY

PHONE 393-3813

3713 W. MARLAND ST.

P. O. BOX 1829

HOBBS, NEW MEXICO 88240

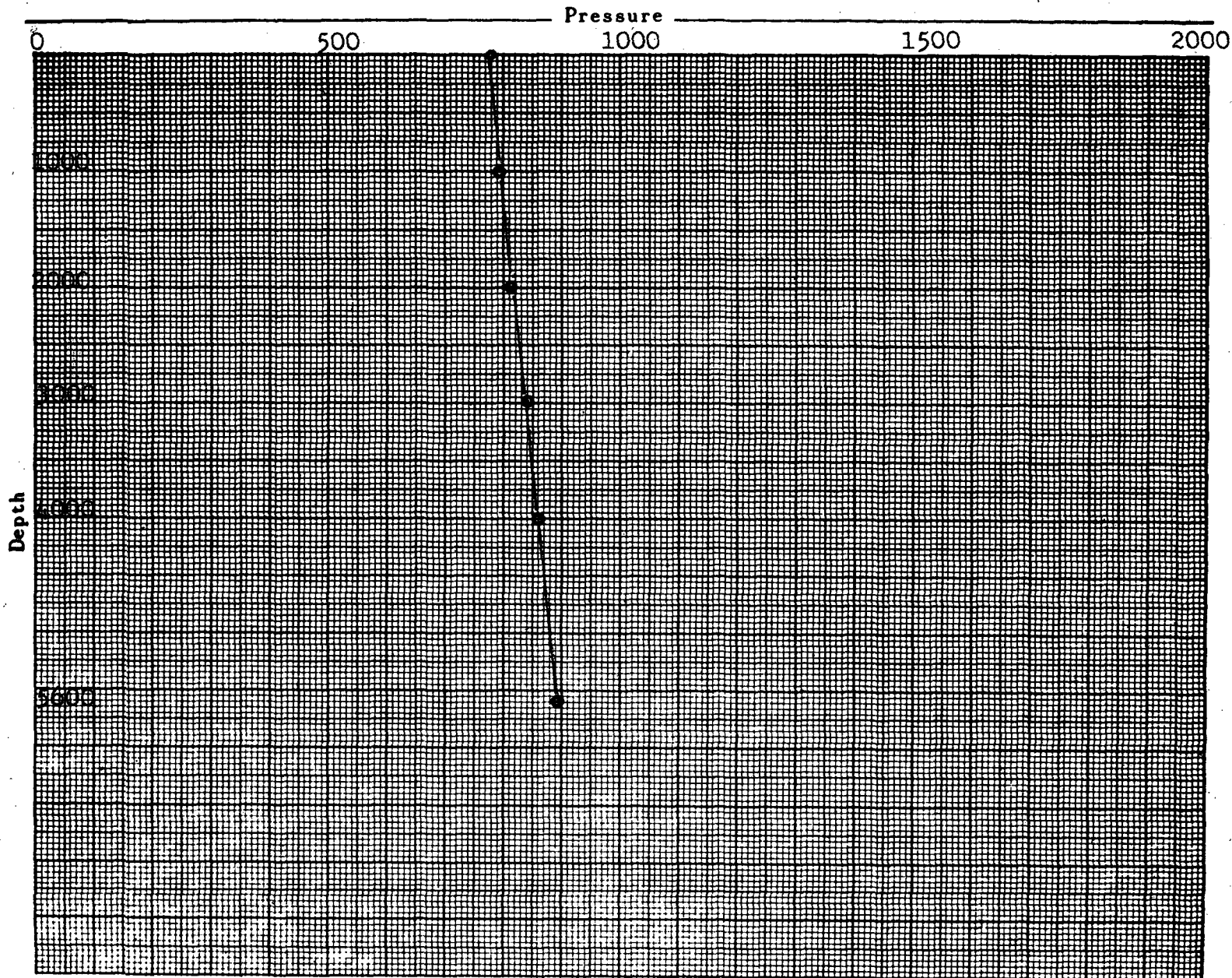
BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco, Inc.
FIELD Blinebry FORMATION Blinebry
LEASE A.H.Blinebry NCT-1 WELL No. 13
COUNTY Lea STATE New Mexico
DATE 4-18-73 TIME 2:30 Pm
Status Shut In Test depth 5600'
Time S. I. 48.0 Hrs Last test date -
Tub Pres. 776 BHP last test -
Cas. Pres. Dual BHP change -
Elev. 3387' KB Fluid top NONE
Datum (-2360') ** Water top NONE
Temp. @ 98°F Run by Weaver
Cal. No. A4586N Chart No. 5

Depth	Pressure	Gradient
0	776	-
1000	797	.021
2000	818	.021
3000	840	.022
4000	863	.023
5600	899	.023
5747(-2360)	902* **	(.023)

* Extrapolated pressure

** Mid point of casing perforations



LIST OF
OFFSET OPERATORS

TEXACO Inc.
A. H. BLINEBRY FEDERAL NCT-1 WELL NO. 13
LEA COUNTY, NEW MEXICO

Gulf Oil Corp. - Hobbs Area
P. O. Box 670
Hobbs, New Mexico 88240

Moranco
P. O. Box 1919
Hobbs, New Mexico 88240

Western Oil Fields
112 N. First
Artesia, New Mexico 88210