



PETROLEUM PRODUCTS

April 19, 1983

TEXACO
U.S.A.
A DIVISION OF TEXACO INC.
P. O. BOX 728
HOBBS, NEW MEXICO 88240
(505) 393-7191

DOWNHOLE COMMINGLING

A. H. BLINEBRY FEDERAL NCT-2 NO. 5
UNIT M, SECTION 29, T-22-S, R-38-E
BLINEBRY, TUBB AND DRINKARD FIELDS
LEA COUNTY, NEW MEXICO

U. S. Department of the Interior
Mineral Management Service
P. O. Box 1857
Roswell, New Mexico, 88201

Attention: Mr. Armando Lopez

Gentlemen:

Texaco Inc. requests approval to downhole commingle production from the Blinebry, Tubb and Drinkard Fields in the wellbore of A. H. Blinebry Federal NCT-2 Well No. 5.

Allocation of production to these zones is to be as follows:

Blinebry - 20% Oil, 1% Gas
Tubb - 34% Oil, 36% Gas
Drinkard - 46% Oil, 63% Gas

Texaco has requested that the New Mexico Oil Conservation Division schedule an Examiner Hearing to consider this matter. A complete copy of this request is attached.

Your early consideration of this matter will be appreciated.

Yours very truly,

TEXACO INC.
PRODUCING DEPARTMENT-UNITED STATES

V. G. Johnston
Assistant District Manager

JAH:JEB

Attachments

RECEIVED

APR 25 1983

FIELD
INVESTIGATIVE OFFICE



PETROLEUM PRODUCTS

TEXACO
U.S.A.

A DIVISION OF TEXACO INC.
P. O. BOX 728
HOBBS, NEW MEXICO 88240
(505) 393-7191

April 19, 1983

DOWNHOLE COMMINGLING

A. H. BLINEBRY FEDERAL NCT-2 NO. 5
UNIT M, SECTION 29, T-22-S, R-38-E
BLINEBRY, TUBB AND DRINKARD FIELDS
LEA COUNTY, NEW MEXICO

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

Attention: Mr. Joe D. Ramey
Secretary-Director

Gentlemen:

Texaco Inc. requests that an Examiner Hearing be scheduled to consider Texaco's request for an exception to Rule 303-A to allow downhole commingling of Blinebry, Tubb and Drinkard production in the wellbore of the A. H. Blinebry Federal NCT-2 Well No. 5.

The downhole commingling is necessary to permit the production of the Blinebry zone which ceased to produce in 1980. These zones have been surface commingled and downhole commingled on this lease and on other leases in the area and no incompatibilities between the fluids have been found. Further, the commingled production will be artificially lifted to minimize the possibility of crossflow between zones.

Ownership of all three zones (including Working Interest, Royalty Interest and Overriding Royalty Interest) is common.

Attached are supporting documents and data for this request.

April 19, 1983

By copy of this letter, the United States Department of the Interior-Mineral Management Service and all Offset Operators have been notified of this request.

Yours very truly,

TEXACO INC.
PRODUCING DEPARTMENT-UNITED STATES



V. G. Johnston
Assistant District Manager

JAH:JEB

Attachments

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

U. S. Department of the Interior
Mineral Management Service
P. O. Box 1857
Roswell, New Mexico, 88201

White, Koch, Kelly & McCarthy
Attention: Mr. Ken Bateman
P. O. Box 787
Santa Fe, New Mexico, 87501

Gulf Oil Exploration & Production Company
P. O. Box 670
Hobbs, New Mexico, 88240

Amoco Production Company, USA
P. O. Box 68
Hobbs, New Mexico, 88240

Summit Energy, Inc.
112 North First
Artesia, New Mexico, 88210

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2063
SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator		Pool		County												
Texaco Inc.		Tubb, Drinkard		Lea												
Address				Type of Test - (X)		Scheduled		Completion		Special						
P. O. Box 728, Hobbs, New Mexico, 88240				☐		☐		☐		☒						
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/BSL		
		U	S	T	R						WATER BSL.	GRAV. OIL BSL.	GAS M.C.F.			
A. H. Blinbry Federal NCT-2	5	M	29	22S	38E											
						4/6/83	F	27/64	150	6	24	0	--	0	160	--
						4/6/83	F	26/64	100	8	24	1	36 ⁴ / ₄	6	390	65,000
Tubb																
Drinkard																

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.


(Signature)
Assistant District Manager

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-2, Well No. 5

Location: Unit M, 660' FSL & 660' FWL, Section 29, T-22-S, R-38-E
Lea County, New MexicoWELL DATA

	Upper Pool	Middle Pool	Lower Pool
Name of Pool	Blinebry (Oil)	Tubb (Gas)	Drinkard (Oil)
Producing Method	Shut-in	Flowing	Flowing
BHP	500 (Est.)	547	426
Type Crude	Sweet	N/A	Sweet
Gravity	39.6*	N/A*	36.4*
GOR Limit	428 MCFD	284 MCFD	852 MCFD
Completion Interval	5554-5932	6108-6300	6349-6566
Current Test Date	1/80	4/6/83	4/6/83
Oil	5	0	6
Water	4	0	1
GOR	2420	160 MCFD	65,000
Selling Price of Crude - \$/BBL.			
Daily Income - \$/Day			

COMMINGLED DATA:Gravity of Commingled Crude 36.4*

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

Daily Income - \$/Day _____

Net (Gain) (Loss) from Wellbore Commingling - \$/Day _____
based on current producing rates.* These zones are currently commingled on the surface, therefore, there will be
no change in the value of the crude.

A. H.. BLINEBRY FEDERAL NCT-2 WELL NO. 5
PROPOSED ALLOCATION FORMULA

<u>Pool</u>	<u>Blinebry</u>	<u>Tubb</u>	<u>Drinkard</u>
Anticipated Oil Prod.-BOPD	5	4	6
Anticipated Gas Prod.-MCFD	12	200	390
Decline Rate-%	33	16	18
Anticipated Life-Years	15	15	15
% Oil Allocation	20	34	46
% Gas Allocation	1	36	63

This recommended allocation is based on total recoveries over the well's producing life with the initial producing rates for each zone as shown. Prior to downhole commingling, Texaco will open and separately test the Blinebry and Tubb. Should these tests indicate the need for an allocation formula different from that shown, Texaco will recommend a new allocation at that time.

-2779)*

018 547

All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. **SEE RULE 302.**

April 4, 1983

(Date)

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 -- 393-8274

HOBBS, NEW MEXICO 88240

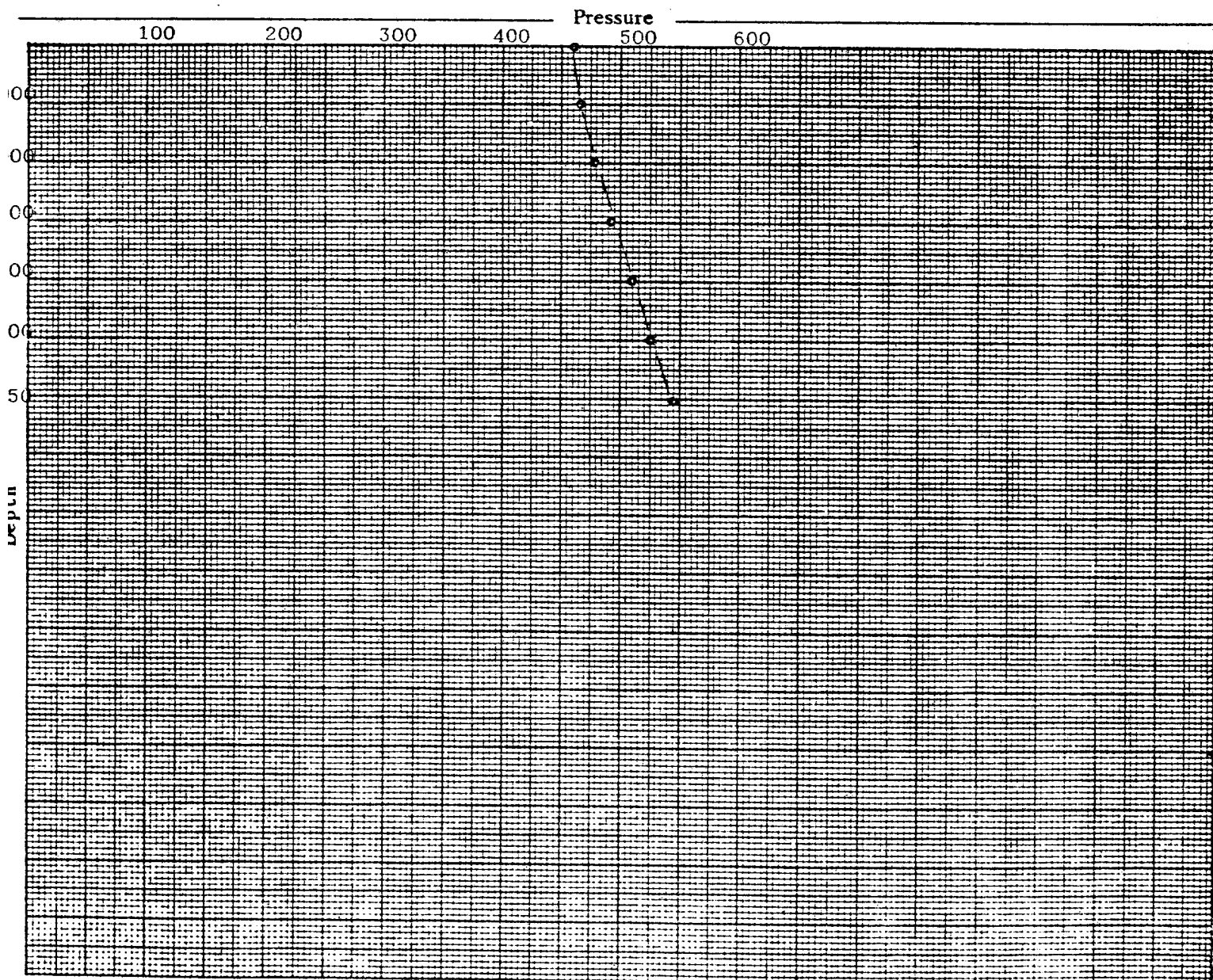
BOTTOM HOLE PRESSURE RECORD

OPERATOR Texaco USA
 FIELD Tubb
 FORMATION Tubb
 LEASE A.H. Blinebry NCT-2 WELL #5
 COUNTY Lea STATE New Mexico
 DATE 3/30/83 TIME 11:30 AM
 Status Shut in
 Test Depth 6050'
 Time S. I. 49.5 hrs Last test date -
 Tub Pres. 460 DWT BHP last test -
 Cas. Pres. 430 DWT BHP change -
 Elev. 3390' DE Fluid top None
 Datum (-2779)** Water top None
 Temp. @ 102 F Run by JSI #13
 Cal. No. A15064N Chart No. 1

Depth	Pressure	Gradient
0	460	-
1000	464	.004
2000	478	.014
3000	493	.015
4000	509	.016
5000	526	.017
6050	545	.018
6169 (-2779)	547 * **	(.018)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



Form C-124
Revised 10-1-78

4/1/83

(-3068) *

DATA*	
WT. OF GAS COL. # 51	GAS. PRESS.

011.

10

10

[illegible]

1

1

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April 4, 1983

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

HOBBS, NEW MEXICO 88240

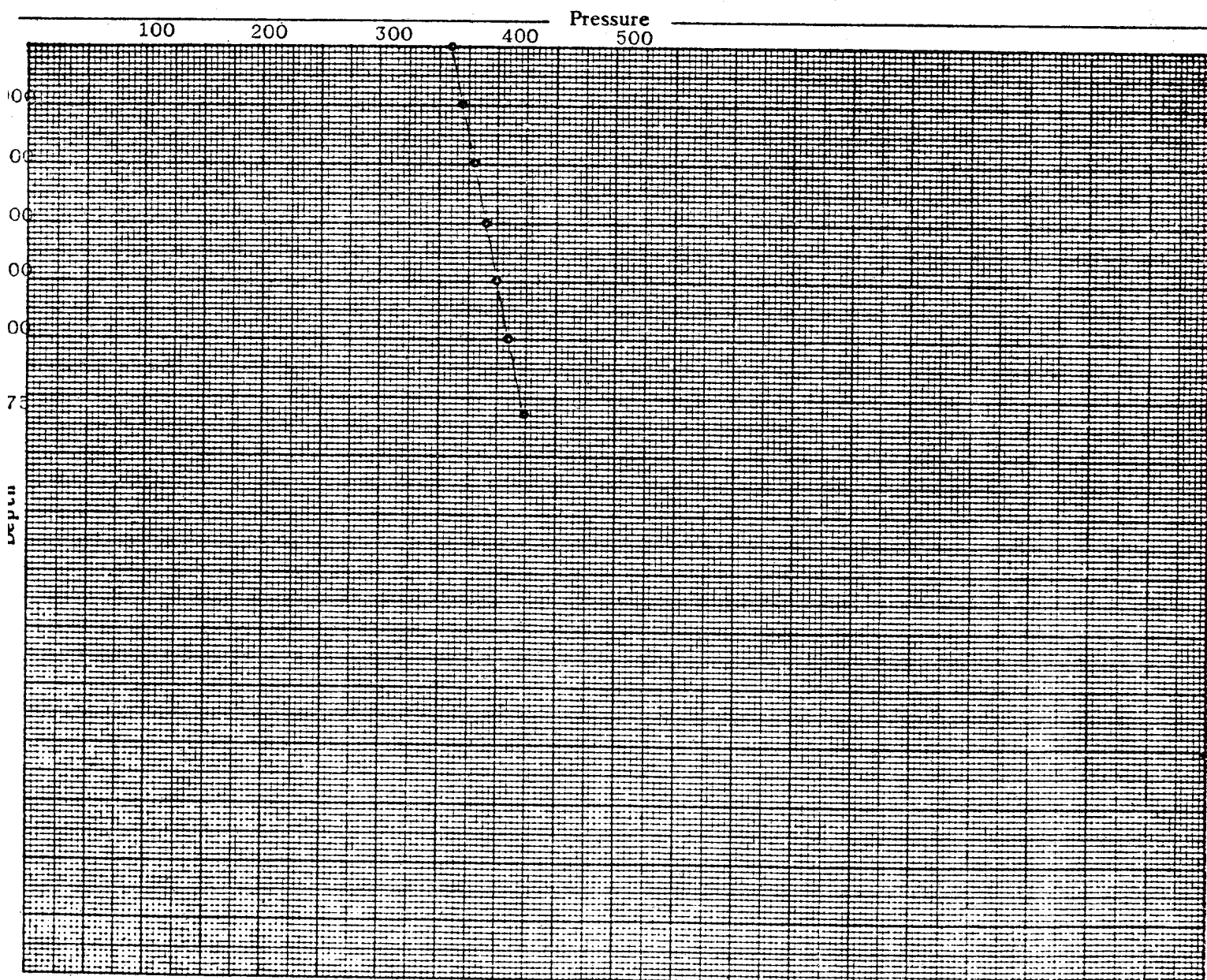
OPERATOR Texaco USA
 FIELD Drinkard
 FORMATION Drinkard
 LEASE A.H. Blinebry NCT-2 WELL #5
 COUNTY Lea STATE New Mexico
 DATE 3/30/83 TIME 1:00 PM
 Status Shut in
 Test Depth 6275'
 Time S. I. 51.0 hrs Last test date -
 Tub Pres. 360 DWT BHP last test -
 Cas. Pres. 430 DWT BHP change -
 Elev. 3390' DF Fluid top None
 Datum (-3068)** Water top None
 Temp. @ 106 F Run by JSI #13
 Cal. No. A15064N Chart No. 2

BOTTOM HOLE PRESSURE RECORD

Depth	Pressure	Gradient
0	360	-
1000	370	.010
2000	380	.010
3000	390	.010
4000	400	.010
5000	410	.010
6000	421	.011
6275	424	.011
6458 (-3068)	426 * **	(.011)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



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HOODS OFFICE

GAS PRODUCTION (MCF/DAY)

Year	Month	Production (MCF/DAY)
1981	Mar	20
1981	June	18
1981	Sept	16
1981	Dec	15
1982	Mar	14
1982	June	12
1982	Sept	10
1982	Dec	9
1983	Mar	8
1983	June	7
1983	Sept	6
1983	Dec	5
1984	Mar	4.5
1984	June	4
1984	Sept	3.5
1984	Dec	3
1985	Mar	2.8
1985	June	2.5
1985	Sept	2.2
1985	Dec	2
1986	Mar	1.8
1986	June	1.6
1986	Sept	1.4
1986	Dec	1.2
1987	Mar	1.1
1987	June	1
1987	Sept	0.9
1987	Dec	0.8
1988	Mar	0.7
1988	June	0.6
1988	Sept	0.5
1988	Dec	0.4
1989	Mar	0.35
1989	June	0.3
1989	Sept	0.25
1989	Dec	0.2
1990	Mar	0.18
1990	June	0.16
1990	Sept	0.14
1990	Dec	0.12

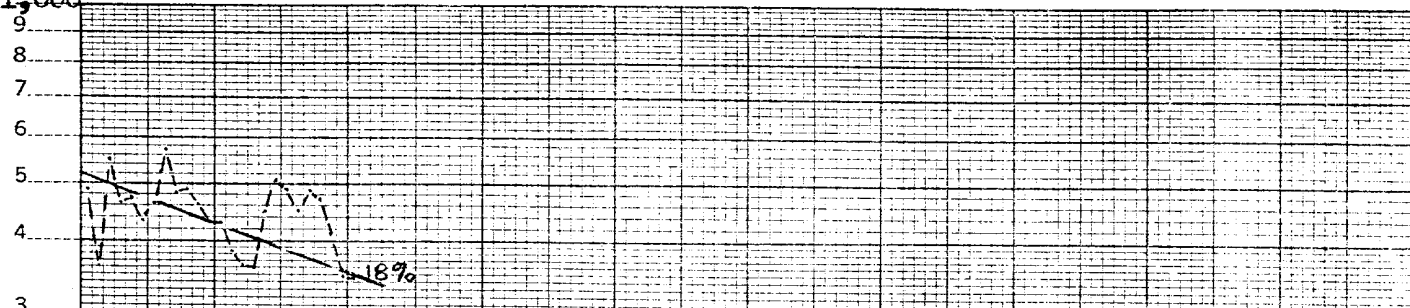
OIL PRODUCTION (BBLS/DAY)

Year	Month	Production (BBLS/DAY)
1981	Mar	4.5
1981	June	4.2
1981	Sept	4
1981	Dec	3.8
1982	Mar	3.5
1982	June	3.2
1982	Sept	3
1982	Dec	2.8
1983	Mar	2.6
1983	June	2.4
1983	Sept	2.2
1983	Dec	2
1984	Mar	1.8
1984	June	1.6
1984	Sept	1.4
1984	Dec	1.2
1985	Mar	1.1
1985	June	1
1985	Sept	0.9
1985	Dec	0.8
1986	Mar	0.7
1986	June	0.6
1986	Sept	0.5
1986	Dec	0.4
1987	Mar	0.35
1987	June	0.3
1987	Sept	0.25
1987	Dec	0.2
1988	Mar	0.18
1988	June	0.16
1988	Sept	0.14
1988	Dec	0.12
1989	Mar	0.1
1989	June	0.09
1989	Sept	0.08
1989	Dec	0.07
1990	Mar	0.06
1990	June	0.05
1990	Sept	0.04
1990	Dec	0.03

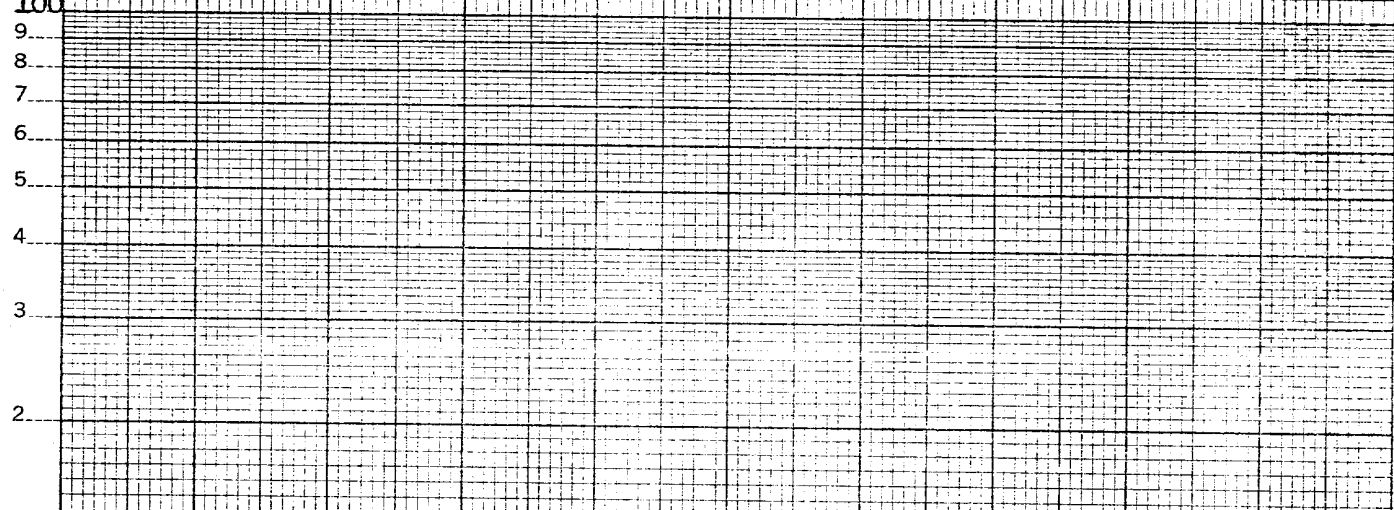
TEXACO Inc.
A.H. BLINEBRY FED. NCT-2 NO. 5
TUBB FIELD
LEA COUNTY, NEW MEXICO

TEXACO Inc.
A.H. BLINEBRY FED. NCT-2 NO. 5
TUBB FIELD
LEA COUNTY, NEW MEXICO

1,000



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TEXACO Inc.
A.H. BLINEBRY FED. NCT-2 NO. 5
DRINKARD FIELD
LEA COUNTY, NEW MEXICO

Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
19_81	19_81	19_81	19_81	19_82	19_82	19_82	19_82	19_83	19_83	19_83	19_83	19_84	19_84	19_84	19_84	19_85	19_85	19_85	19_85	19_86	19_86	19_86	19_86

R-38-E

Texaco

Texaco

NCT-1

NCT-1

A.H. Blinebry
U.S.

35

Dr

"A.H.

Gulf

7

BI

19

BI

Dr

23

BI

Dr

26

BI

Dr

28

BI

Dr

T

33

T

Dr

4

BI

Dr (SI)

13

BI

Dr

3

BI

T (gas)

Dr (abd)

Moran Oil

BI

Dr

T

Dr

24

T

Dr

T
22
S

Summit Energy

I-A

T (gas)

Dr

2

BI

1

BI (gas)

T (gas)

Dr (abd)

1

BI

Dr (abd)

2

BI (SI)

Dr (SI)

Pd

11

T

Dr

Western Oil Fields

Gulf

2

5206'

BI

(gas)

Dr (abd)

Evelyn Linebry

Texaco

NCT-2

5

BI

T

2

Dr

E. C. Higgins

Gulf

1

BI

T (gas)

Dr (abd)

2

BI

Dr

14

Pd

T (abd)

Dr

A.H. Bl

Te

N

Gulf

1

BI

Dr

A. H. Blinebry - Fed.

(Pan American)

"S"

Amoco

2

BI

Dr (abd)

1

BI

Dr

1

BI

Dr (abd)

5

BI

Dr (abd)

15

Pd

Dr

Cities Service

"P"



SUBJECT WELL



BLINEBRY, TUBB, DRINKARD - 40 Acres

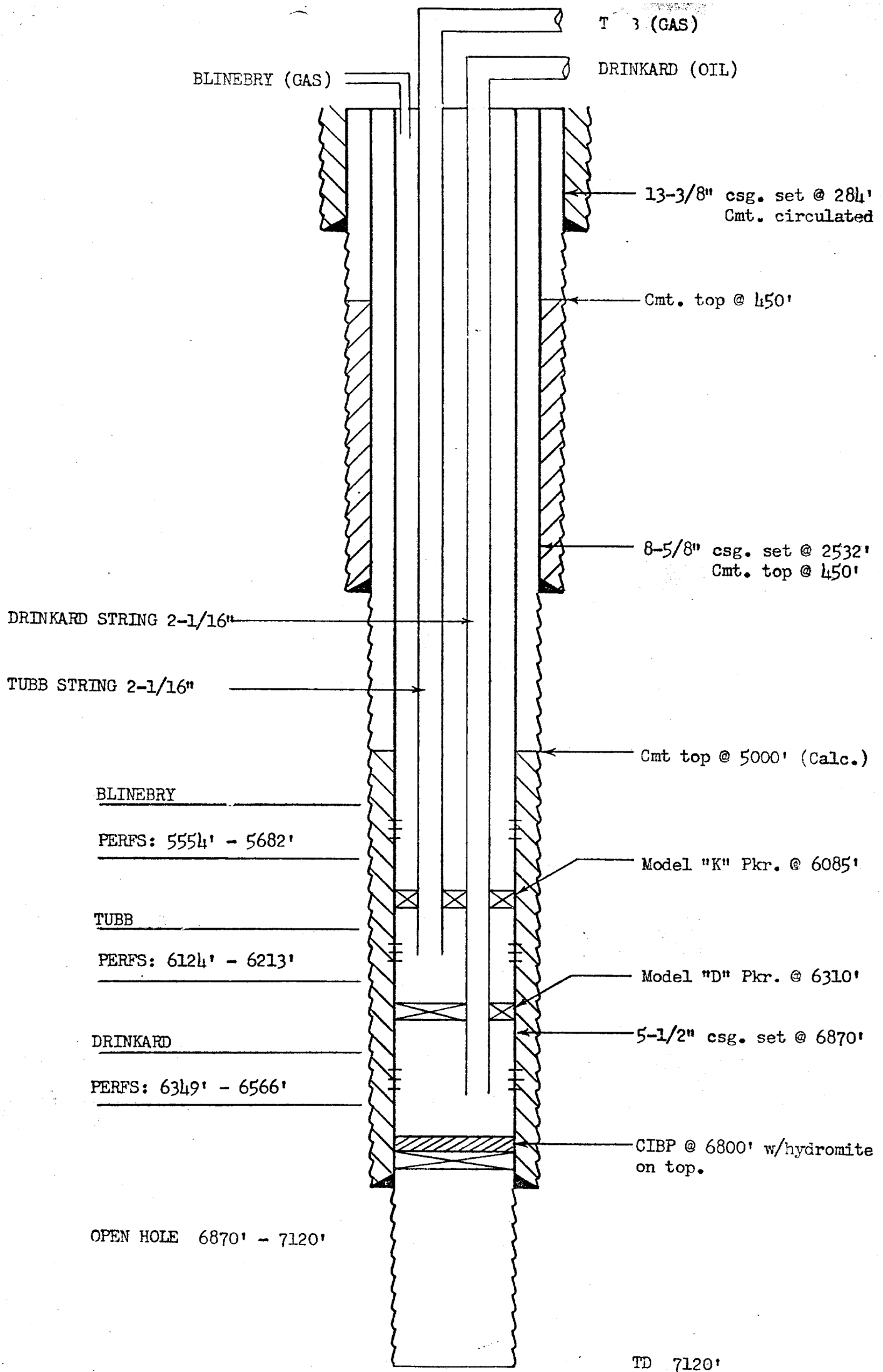
TEXACO Inc.

A.H. BLINEBRY FED NCT-2 WELL NO. 5

BLINEBRY, DRINKARD & TUBB FIELDS

LEA COUNTY, NEW MEXICO

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HOUSE OFFICE

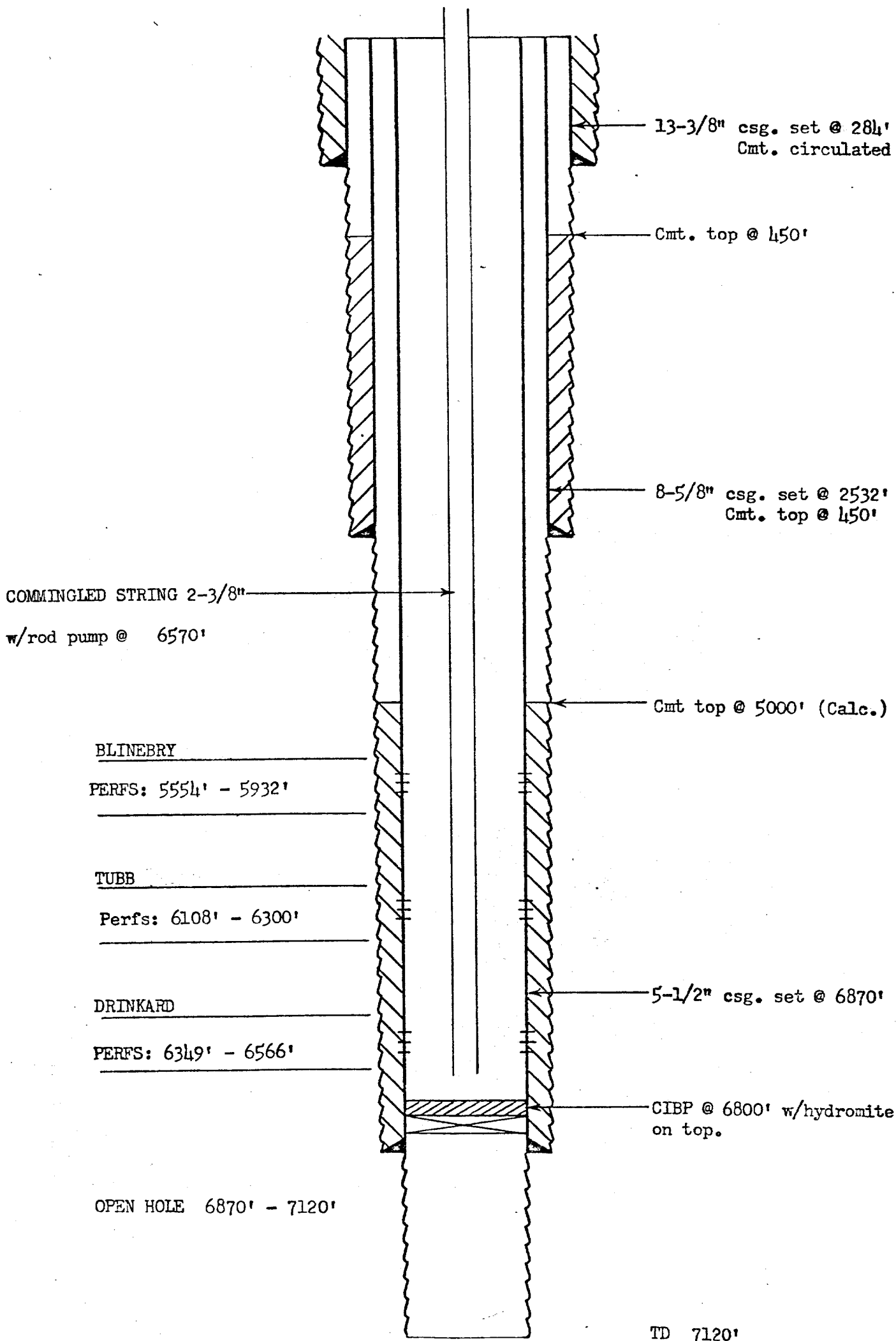


PRESENT COMPLETION

TEXACO Inc.
A.H. BLINEBRY FED. NCT-2 NO. 5
BLINEBRY TUBB AND DRINKARD
LEA COUNTY, NEW MEXICO

JAH/CRC 3-18-83

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O.C.O.
HOBBS OFFICE



PROPOSED DOWNHOLE COMMINGLING

TEXACO Inc.
A.H. BLINEBRY FED. NCT-2 NO. 5
BLINEBRY TUBB AND DRINKARD
LEA COUNTY, NEW MEXICO

JAH/CRC 3-18-83

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NOBB'S OFFICE