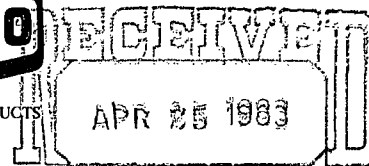




PETROLEUM PRODUCTS



OIL CONSERVATION DIVISION

SANTA FE

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-4 NO. 1
UNIT P, SECTION 31, 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

Case 7878

Attention: Mr. Joe D. Ramey
Secretary-Director

Gentlemen:

Texaco Inc. requests that an Examiner Hearing be schedule 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-4 Well No. 1.

The downhole commingling is necessary to permit the production of the Drinkard and Tubb zones which would not otherwise be produced. 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 Interests, Royalty Interest and Overriding Royalty Interest) is common.

Attached are supporting documents and data for this request.

State of New Mexico

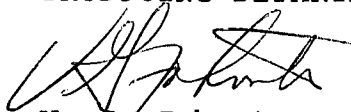
-2-

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

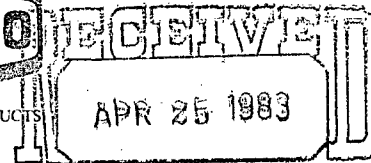
Department of Energy & Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico, 88240

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



PETROLEUM PRODUCTS



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

April 19, 1983

DOWNHOLE COMMINGLING

A. H. BLINEBRY FEDERAL NCT-4 NO. 1
UNIT P, SECTION 31, 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

Case 7878

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-4 Well No. 1.

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

Blinebry - 35% Oil, 18% Gas
Tubb - 24% Oil, 51% Gas
Drinkard - 41% Oil, 31% 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

OFFSET OPERATORS

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

Aztec Energy Corporation
1206 East 20th Street
Farmington, New Mexico, 87401

Cities Service Company
P. O. Box 1919
Midland, Texas, 79702

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

Union Texas Petroleum Corporation
1300 Wilco Building
Midland, Texas, 79701

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P.O. BOX 2038
SANTA FE, NEW MEXICO 87501

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator		Pool		County	
TEXACO Inc.		Blinebry		Lea	
Address				TYPE OF TEST - (X)	
P. O. Box 728, Hobbs, New Mexico, 88240				Scheduled ☐ Special ☒	
LEASE NAME		WELL NO.		DATE OF TEST	
A. H. Blinebry Federal NCT-4		1		4/6/83	
LOCATION		DATE OF TEST		CHOKE SIZE	
U S T R		F 22/64		T.B.G. PRESS.	
P 31 22S 38E		0-200		DAILY ALLOW-ABLE	
6		24		LENGTH OF TEST HOURS	
0		38 ³		5	
107		21,400		GAS - OIL RATIO CU.FT/BSL	

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 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.
Well 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

April 19, 1983

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-4 Well No. 1

Location: Unit P, 660' FSL and 660' FEL, Section 31, T-22-S, R-38-E
Lea County, New MexicoWELL DATA

	Upper Pool	Middle Pool	Lower Pool
Name of Pool	Blinebry	Tubb	Drinkard
Producing Method	Flow	Shut-in	Abandoned
BHP	445	554	400 (Est.)
Type Crude	Sweet	Sweet	Sweet
Gravity	38.3*	38.3*	37.8*
GOR Limit	428 MCFD	284 MCFD	852 MCFD
Completion Interval	5556-5730	6100-6220	6419-6974
Current Test Date	4/6/83	12/80	9/77
Oil	5	3	4
Water	0	0	0
GOR	21,400	86,667	29,750
Selling Price of Crude - \$/BBL.			
Daily Income - \$/Day			

COMMINGLED DATA:Gravity of Commingled Crude 38.8*

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-4 WELL NO. 1
PROPOSED ALLOCATION FORMULA

<u>Pool</u>	<u>Blinebry</u>	<u>Tubb</u>	<u>Drinkard</u>
Anticipated Oil Prod.-BOPD	5	3	4
Anticipated Gas Prod.-MCFD	107	260	120
Decline Rate-%	22	19	14
Life-Years	13	13	13
% Oil Allocation	35	24	41
% Gas Allocation	18	51	31

This recommended allocation is based on total recoveries over the well's producing life with the initial producing rates and decline rates for each zone as shown.

TYPE OF REPORT - (X)
Initial Completion
Special
General Survey

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P.O. BOX 2068
SANTA FE, NEW MEXICO 87501

Form C-124
Revised 10-1-78

RESERVOIR PRESSURE REPORT

Operator	Texaco USA	Loc.	Blinebry	County	Lea	Date	4/4/83
Address	Box 728 Hobbs, New Mexico	Producing Formation	Blinebry	Oil Gradient	Water Gradient	Gas Gradient	Vacuum Pressure
				psi/ft.	psi/ft.	psi/ft.	(-2287) *

LEASE	WELL NO.	LOCATION				ELEV. OR CAS. (ft.)	DATE TESTED	SHUT-IN TOC. PRESS.	BOMB TEST DATA				SONIC INSTRUMENT TEST DATA*				PRESS. AT DATUM		
		U	S	T	M				TEST DEPTH	B.H. TEMP. °F	OB. SERVED PRESS.	PROD. TEST (BBL./DAY)	LIQUID LEVEL	LIQUID GRAD. TENT. PSI/FT.	WT. OF LIQUID COLL. PSI	WT. OF GAS COLL. PSI		CSG. PRESS.	
A.H. Blinebry Federal NCT-4	1	P	31	22	38	3356 KB	0	3/30/83	53	390	5450	92	442					.013	4
											* MIDPOINT OF CASING PERFORATIONS								

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.

• Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

JARREL SERVICES, INC.

Paul A. Jarrell
(Signature)

Agent

(Title)

April 4, 1983

(Date)

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

HOBBS, NEW MEXICO 88240

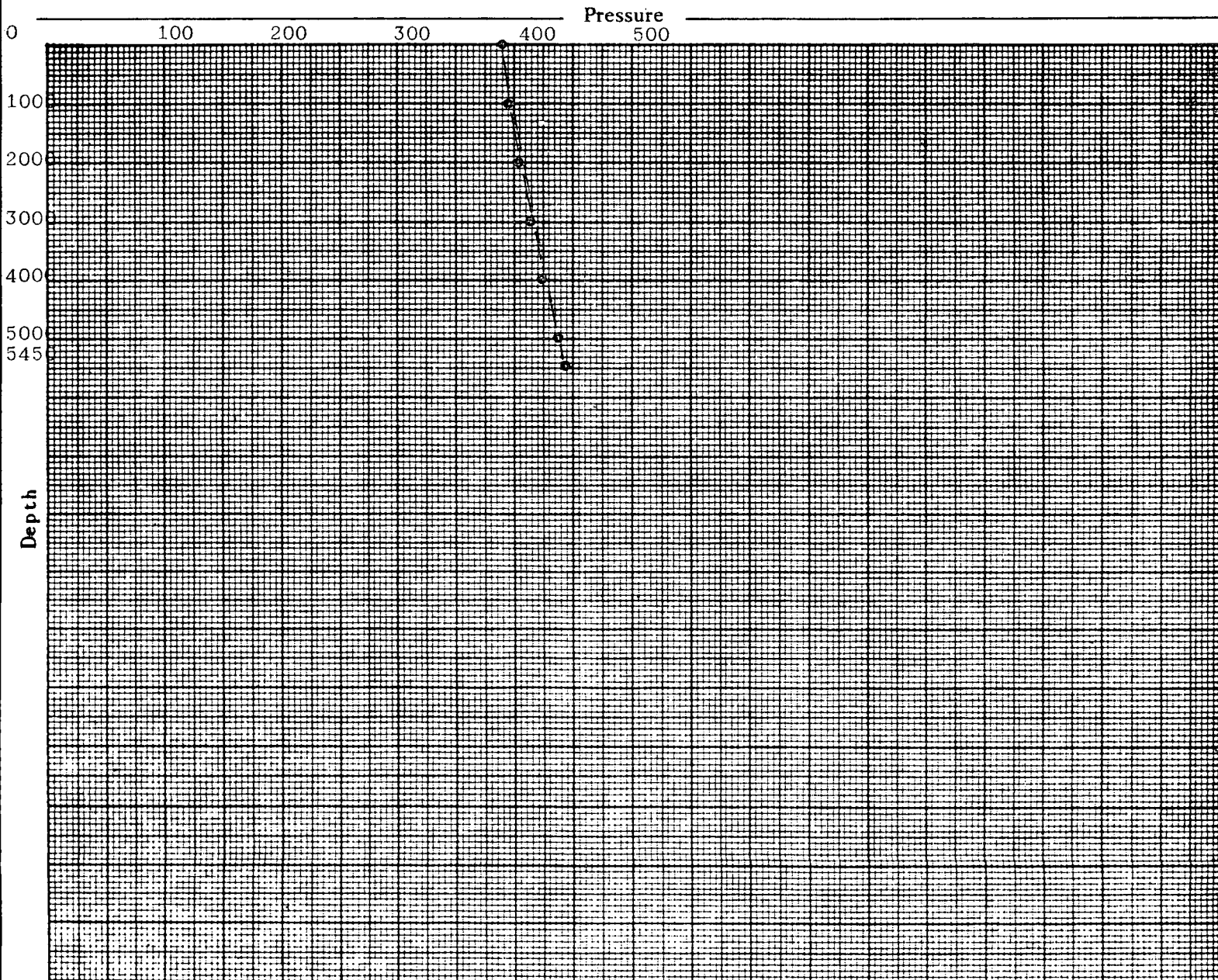
OPERATOR Texaco USA
 FIELD Blinebry
 FORMATION Blinebry
 LEASE A.H. Blinebry NCT-4 WELL #1
 COUNTY Lea STATE New Mexico
 DATE 3/30/83 TIME 3:00 PM
 Status Shut in
 Test Depth 5450'
 Time S. I. 53.0 hrs. Last test date -
 Tub Pres. 390 DWT BHP last test -
 Cas. Pres. Dual BHP change -
 Elev. 3356' KB Fluid top None
 Datum (-2287)** Water top None
 Temp. @ 92° Run by JSI #13
 Cal. No. A15064N Chart No. 3

BOTTOM HOLE PRESSURE RECORD

Depth	Pressure	Gradient
0	390	-
1000	395	.005
2000	403	.008
3000	413	.010
4000	424	.011
5000	436	.012
5450	442	.013
5643 (-2287)	445 * **	(.013)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2068
SANTA FE, NEW MEXICO 87501

Form C-124
Revised 10-1-78

TYPE OF REPORT - (X)	
Initial Completion	
Special	X
General Survey	

RESERVOIR PRESSURE REPORT

Operator	Texaco USA	Field	Tubb	County	Lea	Date	4/4/83
----------	------------	-------	------	--------	-----	------	--------

Address	Box 728 Hobbs, New Mexico 88240	Producing Formation	Tubb	Oil Gradient	Water Gradient	Gas Gravity	Datum Point
---------	------------------------------------	---------------------	------	--------------	----------------	-------------	-------------

LEASE	WELL NO.	LOCATION				ELEV.	DATE TESTED	IN TUB. PRESS.	BORE TEST DATA				SONIC INSTRUMENT TEST DATA*						PRESS. AT DATUM																
		U	S	T	N				TEST DEPTH	B.H. TEMP. °F	OO. SERVICE PRESS.	PROD. TEST (BBL./DAY)	LIQUID LEVEL	LIQUID GRAD. TENT. PSI/FT.	WT. OF LIQUID COLL. PSI	WT. OF GAS COLL. PSI	CSG. PRESS.																		
A.H. Blinebry Federal NCT-4	1	P	31	22	38	3356 KB	0	3/30/83	54.5	470	6000	102	551							.017	554														
																						* MIDPOINT OF CASING PERFORATIONS													

All depths plus or minus sea level; all pressures psi. Bore 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.

Well shall be produced at least 24 hours prior to starting in for sonic test.

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

JARREL SERVICES, INC.

Joe A. Jarrell
(Signature)

Agent

(Title)

April 4, 1983

(Date)

JARREL SERVICES, INC.

POST OFFICE BOX 1654

PHONES 505 393-5396 — 393-8274

HOBBS, NEW MEXICO 88240

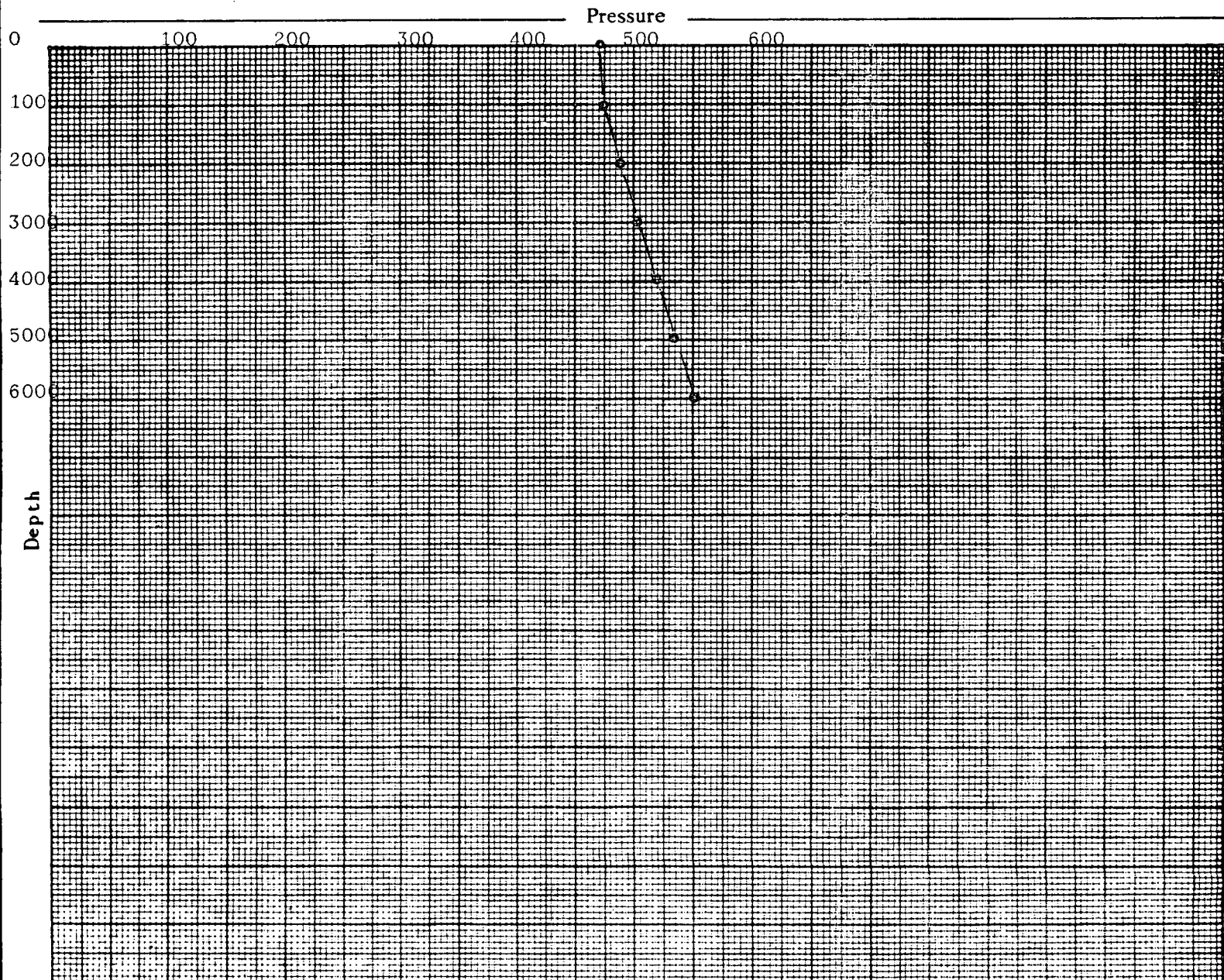
OPERATOR Texaco USA
 FIELD Tubb
 FORMATION Tubb
 LEASE A.H. Blinbry NCT-4 WELL #1
 COUNTY Lea STATE New Mexico
 DATE 3/30/83 TIME 4:30 PM
 Status Shut in
 Test Depth 6000'
 Time S. I. 54.5 hrs. Last test date -
 Tub Pres. 470 DWT BHP last test -
 Cas. Pres. Dual BHP change -
 Elev. 3356' KB Fluid top None
 Datum (-2805)** Water top None
 Temp. @ 102° F Run by JSI #13
 Cal. No. A15064N Chart No. 4

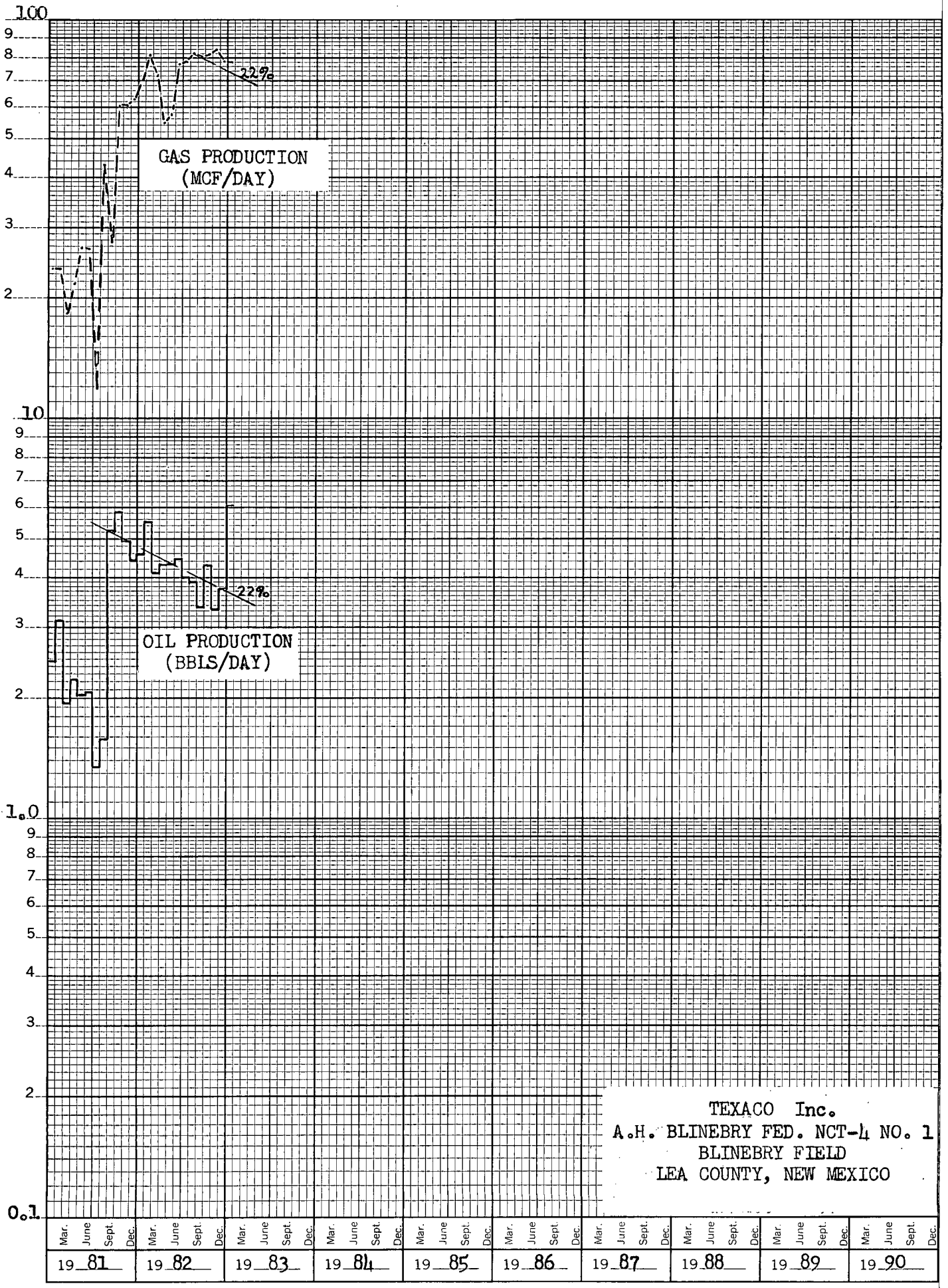
BOTTOM HOLE PRESSURE RECORD

Depth	Pressure	Gradient
0	470	-
1000	475	.005
2000	489	.014
3000	503	.014
4000	518	.015
5000	534	.016
6000	551	.017
6161 (-2805)	554 * **	(.017)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS





TEXACO Inc.
A.H. BLINEBRY FED. NCT-14 NO. 1
BLINEBRY FIELD
LEA COUNTY, NEW MEXICO

1,000

9
8
7
6
5
4
3
2GAS PRODUCTION
(MCF/DAY)

19%

100

9
8
7
6
5
4
3
2

10

9
8
7
6
5
4
3
2OIL PRODUCTION
(BBL/DAY)

19%

1

Mar.	June	Sept.	Dec.	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 79	19 80	19 81	19 82	19 83	19 84	19 85	19 86	19 87	19 88																		

TEXACO Inc.
A.H. BLINEBRY FED. NCT-4 NO. 1
TUBB FIELD
LEA COUNTY, NEW MEXICO

1,000

9
8
7
6
5
4
3
2GAS PRODUCTION
(MCF/DAY)

100

9
8
7
6
5
4
3
2

14%

10

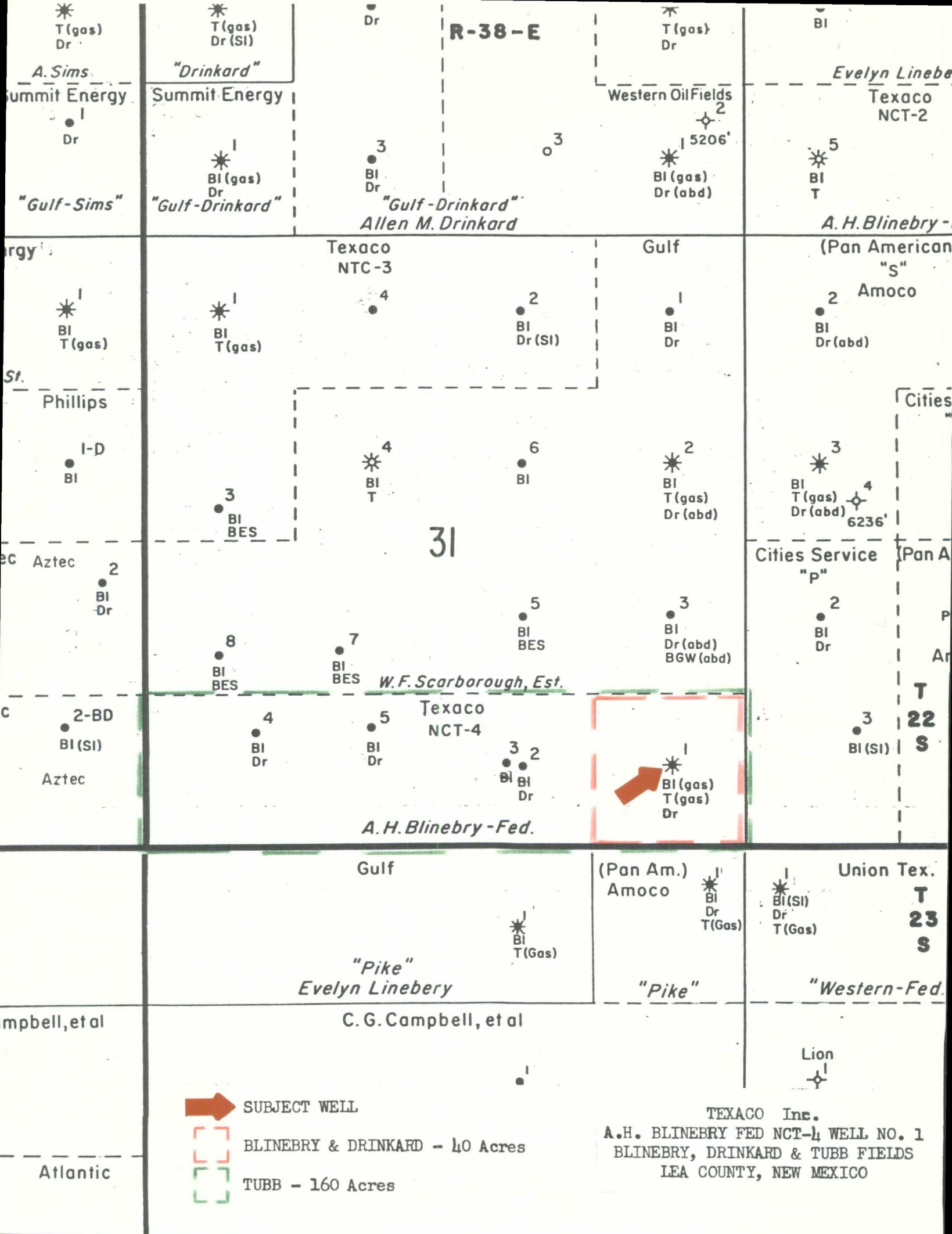
9
8
7
6
5
4
3
2OIL PRODUCTION
(BBL/DAY)

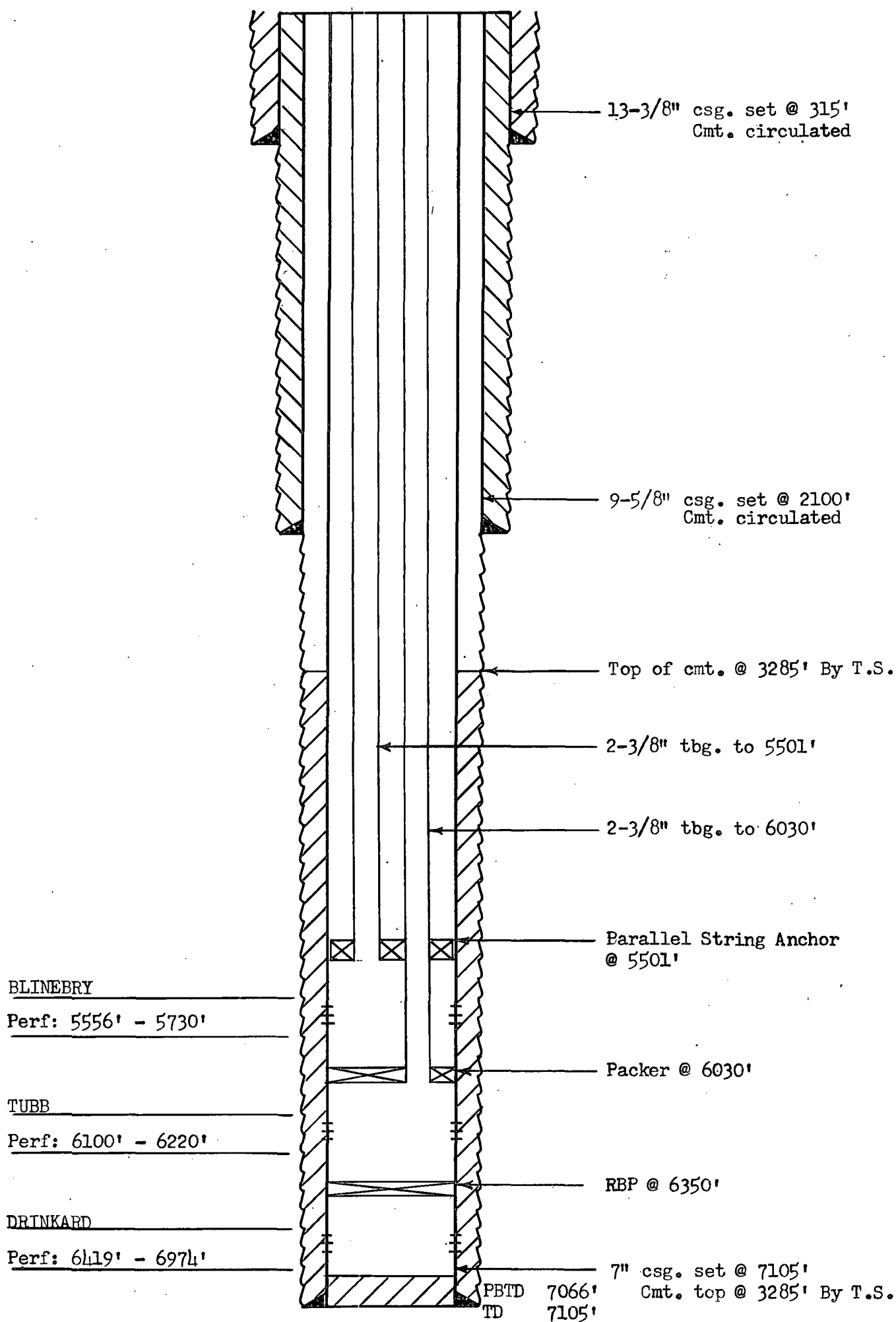
14%

1

Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	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_76				19_77				19_78				19_79				19_80				19_81				19_82				19_83				19_84				19_85			

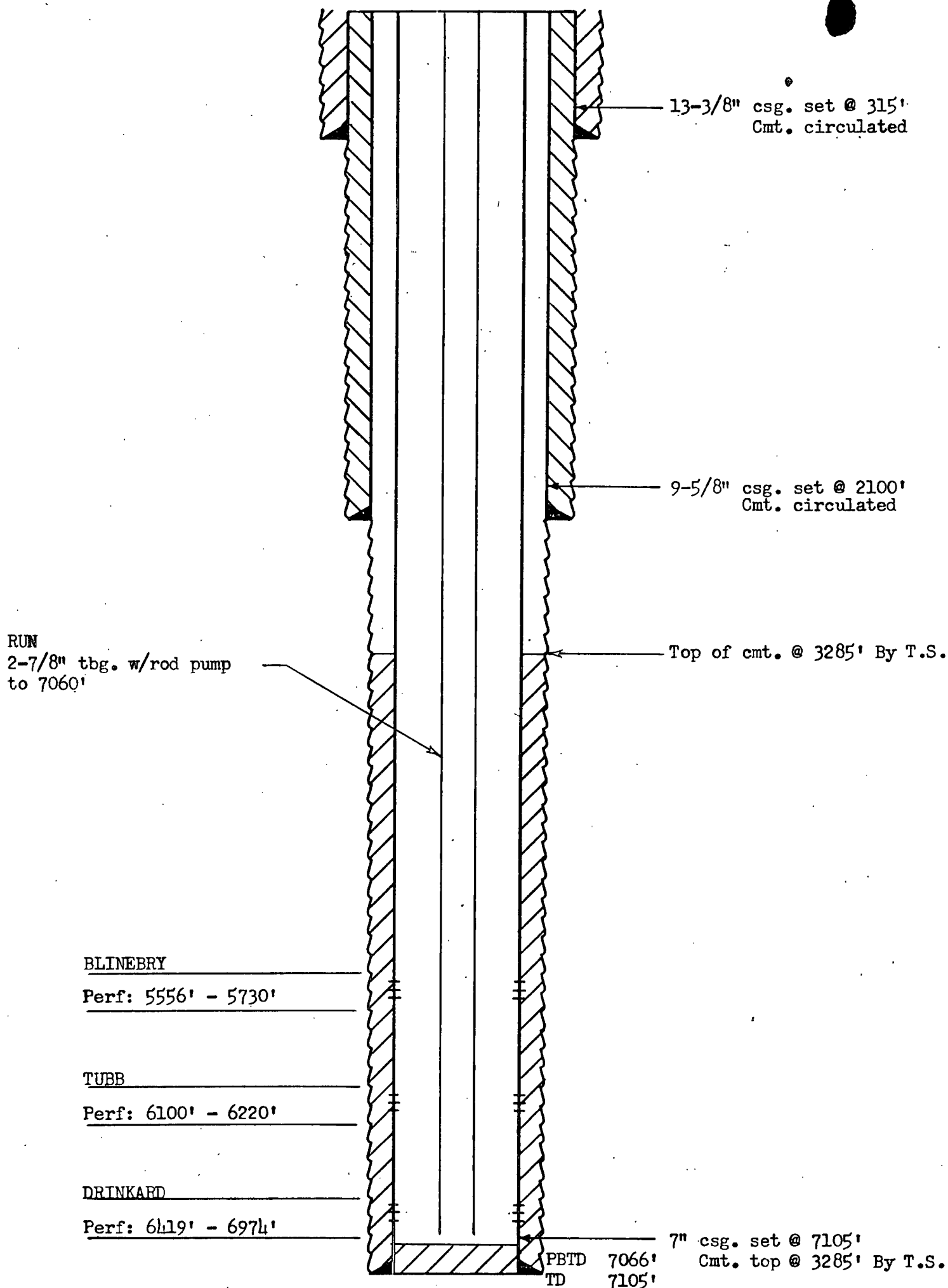
TEXACO Inc.
A.H. BLINEBRY FED. NCT-4 NO. 1
DRINDARD FIELD
LEA COUNTY, NEW MEXICO





PRESENT COMPLETION
 TEXACO Inc.
 A.H. BLINEBRY FED. NCT-4 NO. 1
 BLINEBRY, TUBB & DRINKARD FIELDS
 LEA COUNTY, NEW MEXICO

JAH/CRC 4-18-83



PROPOSED COMPLETION
 TEXACO Inc.
 A.H. BLINEBRY FED. NCT-4 NO. 1
 BLINEBRY, TUBB & DRINKARD FIELDS
 LEA COUNTY, NEW MEXICO

JAH/CRC 4-18-83