



PETROLEUM PRODUCTS

July 31, 1978

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

DHC - 258
Due - 8/22/78

AUG - 2 1978

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

RE: DOWNHOLE COMMINGLING
G. L. Erwin "A" Fed. Well No. 4

ATTENTION: MR. JOE D. RAMEY
SECRETARY-DIRECTOR

Gentlemen:

Texaco Inc. respectfully requests administrative approval to commingle production from the Justis Blinebry and Justis Tubb-Drinkard pools in the wellbore of the G. L. Erwin "A" Federal Well No. 4 in accordance with NMOCC Rule 303-C. Dual completion of this well was authorized by NMOCC Order MC-1316.

The attached "Data Sheet for Wellbore Commingling" contains the data required by NMOCC Rule 303-C (a, b, f, g and h). Form C-116 showing the current test for the Justis Blinebry pool and the most recent test from the Justis Tubb-Drinkard pool (5-24-74) is attached. Decline curves for each zone, a plat of the subject lease, and wellbore diagrams of the existing and proposed completions are attached. Approval to downhole commingle the Justis Blinebry and Justis Tubb-Drinkard pools along with the Justis Devonian has been previously obtained for Texaco's G. L. Erwin "A" Federal Well No. 3 under NMOCC Order R-5050.

Commingled production from this well will be artificially lifted. It is recommended that 60% of the commingled oil and 40% of the gas be assigned to the Justis Blinebry with 40% of the oil and 60% of the gas assigned to the Justis Tubb-Drinkard in accordance with the well tests and decline curves.

JULY 31, 1978

Ownership of the two zones is common throughout. Commingling will not jeopardize the efficiency of any secondary recovery operations. All offset operators (list attached) and the U.S.G.S. have been notified of this application by copy of this letter.

Yours very truly,



J. V. Gannon
District Superintendent

WRH:las

Attachments

NMOCC - Hobbs, N.M.
U.S.G.S. - Hobbs, N.M.
Offset Operators

OFFSET OPERATORS

Amerada Hess Corporation
P. O. Box 591
Midland, Texas 79701

Shell Oil Company
P. O. Box 1509
Midland, Texas 79701

Getty Oil Company
P. O. Box 249
Hobbs, New Mexico 88240

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO INC.

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

Lease and Well No.: G. L. Erwin "A" Federal Well No. 4

Location: 990' FWL & 1980' FSL, Section 35, T-24-S, R-37-E

WELL DATA

	<u>Upper Pool</u>	<u>Middle Pool</u>	<u>Lower Pool</u>
Name of Pool	Justis Blinebry		Justis Tubb-Drinkard
Producing Method	Pump		SI (Pump)
BHP	Est. 800		Est. 950
Type Crude	Sweet		Sweet
Gravity	37.6		38.8
GOR Limit	6000		6000
Completion Interval	(Perfs) 5381'-5704' (5381-5781 after workover)		(Perfs) 5912'-6083'
Current Test Date			5-24-74
Oil	4		2
Water	0		1
GOR	1750		8000
Selling Price of Crude - \$/BBL.	14.78		--
Daily Income - \$/Day	59.12		--

COMMINGLED DATA:

Gravity of Commingled Crude 38.3 Production is currently surface commingled.

Selling Price of Commingled Crude - \$/BBL. 14.78

Daily Income - \$/Day 192.14

Net (Gain) ~~(Loss)~~ from Wellbore Commingling - \$/Day 133.02 (9 BOPD increase)
based on current producing rates.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS


C-116
Revised 1-1-65

Operator TEXACO INC.		Pool Justis Blinebry, Justis Tubb-Drinkard		County Lea										
Address P. O. Box 728 - Hobbs, New Mexico 88240		TYPE OF TEST - (X) <input type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Special		Completion <input type="checkbox"/> <input checked="" type="checkbox"/>										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	SIZE OF CHOKE	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
G. L. Erwin "A" Fed. Justis Blinebry Justis Tubb-Drinkard	1 -	L	35	24	37	7- -78 5-24-74	P -- --	6 1	24 24	0 1	37.6 38.8	4 2	7 16	1750 8000

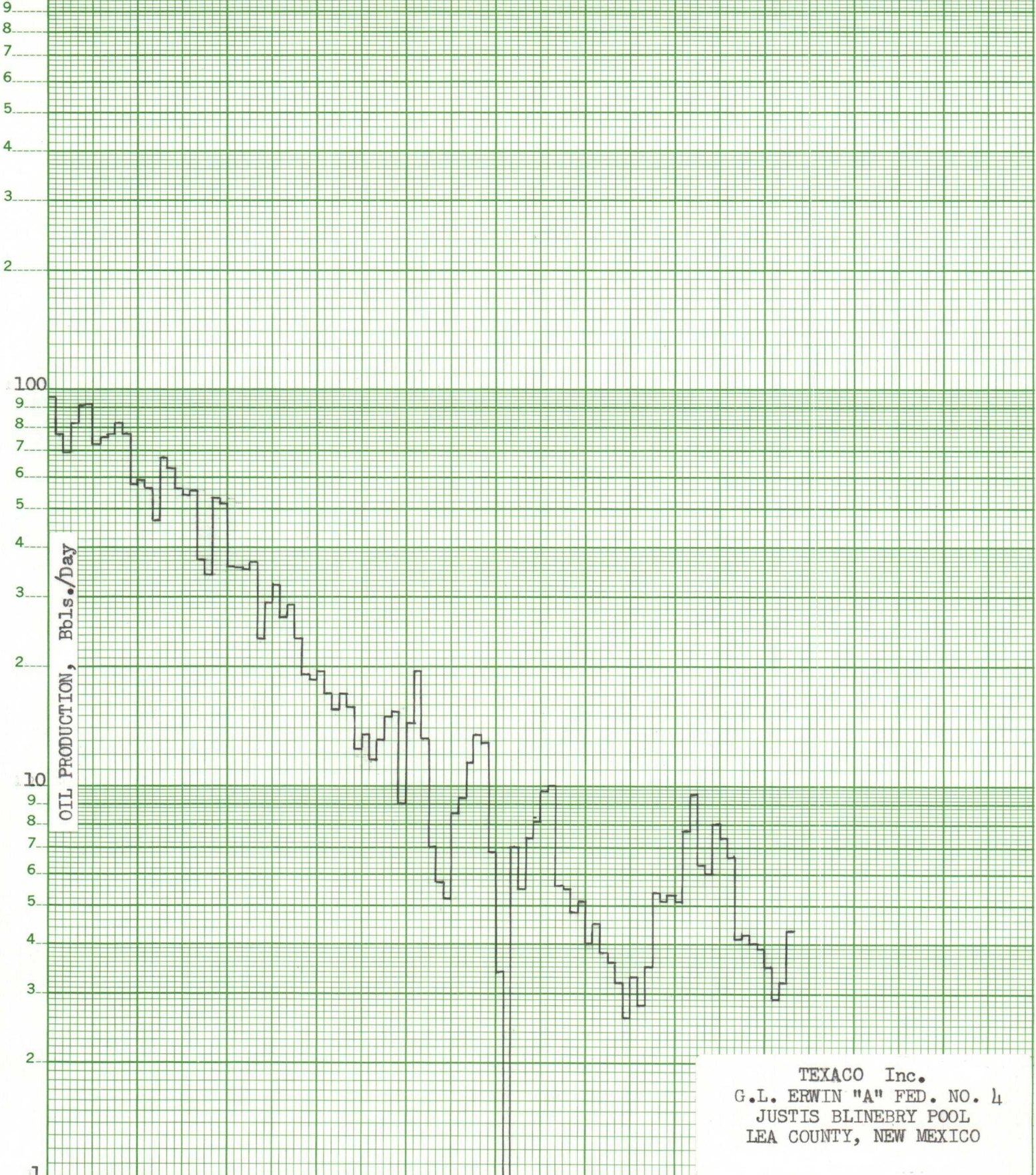
No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage 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.


(Signature)
Assistant District Superintendent
(Title)
July 31, 1978
(Date)

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TEXACO Inc.
 G.L. ERWIN "A" FED. NO. 4
 JUSTIS BLINEBRY POOL
 LEA COUNTY, NEW MEXICO

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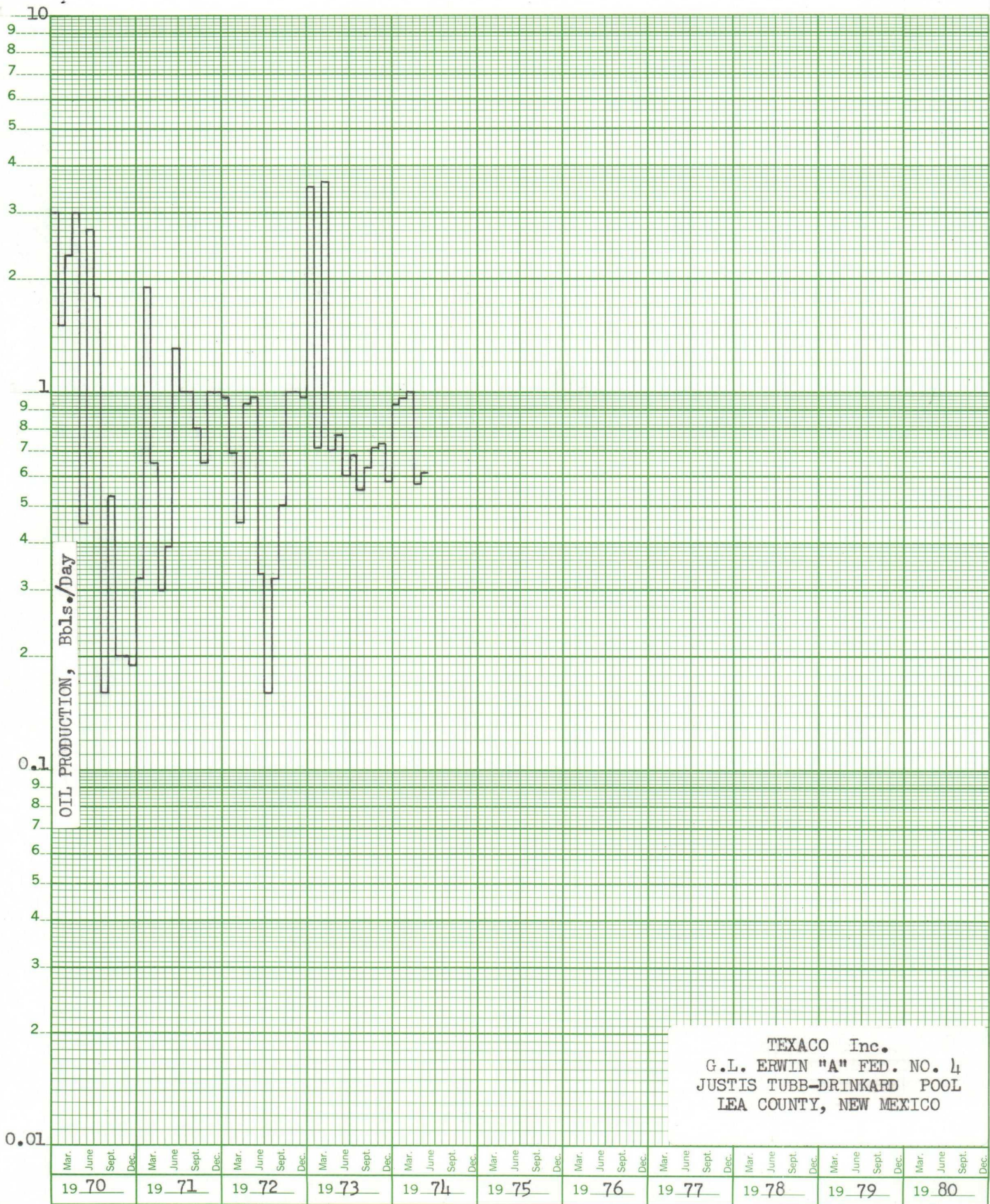
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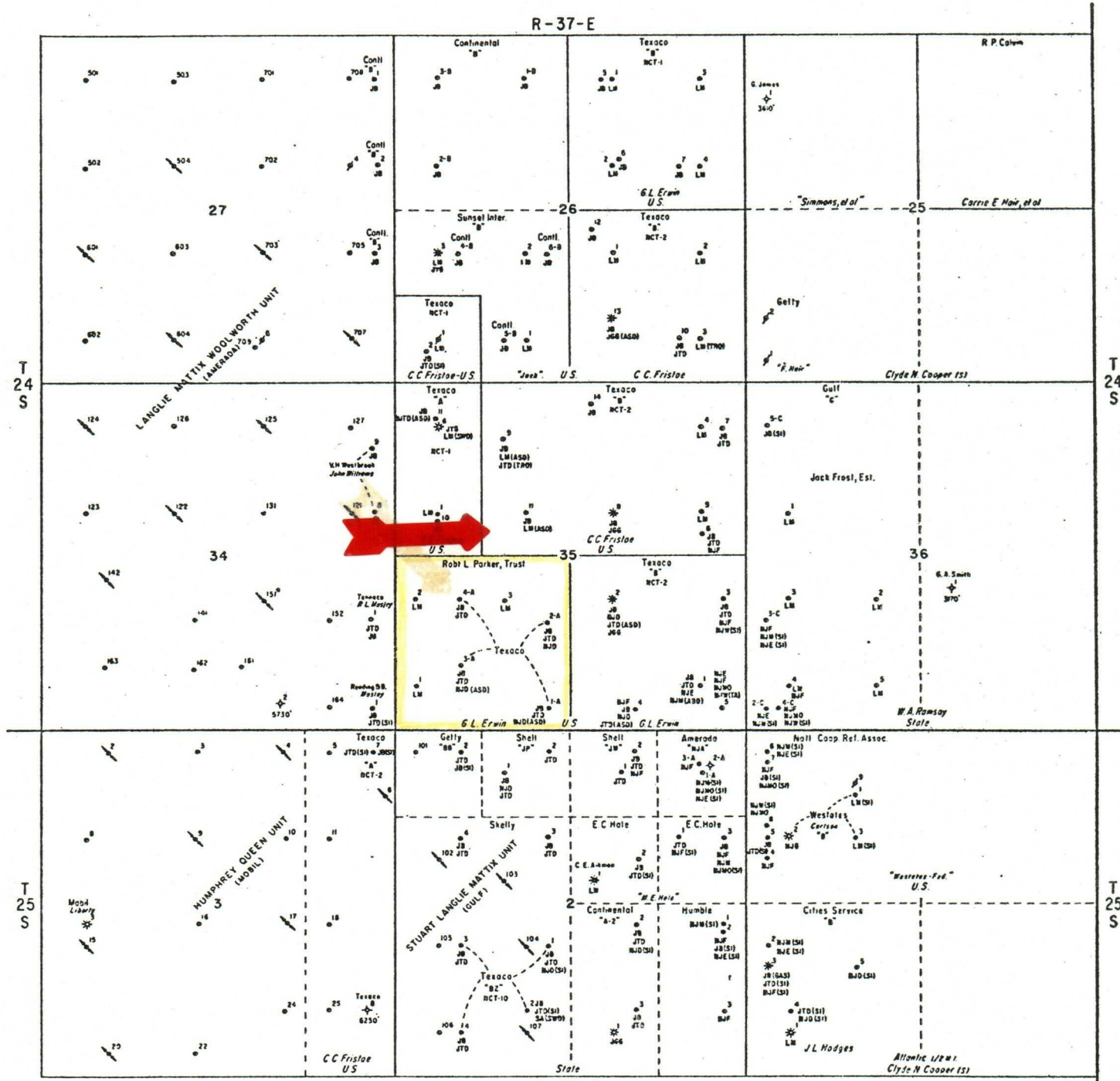
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TEXACO Inc.
 G.L. ERWIN "A" FED. NO. 4
 JUSTIS TUBB-DRINKARD POOL
 LEA COUNTY, NEW MEXICO

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Wsp - copy



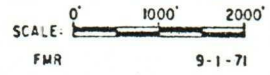
POOL INDEX

JYG	JALMAT YATES GAS	NJE	NORTH JUSTIS	ELLENBURGER
JB	JUSTIS BLINEBRY	NJF	FUSSELMAN	
JGG	JUSTIS GLORIETA GAS	NJM	" "	MCKEE
JTD	JUSTIS TUBB-DRINKARD	NJWO	" "	MONTROYA
LW	LANGLIE MATTIX 7 RIVERS	NJTD	" "	TUBB-DRINKARD
NJB	NORTH JUSTIS BLINEBRY	NJW	" "	WADDELL
NJD	DEVONIAN			

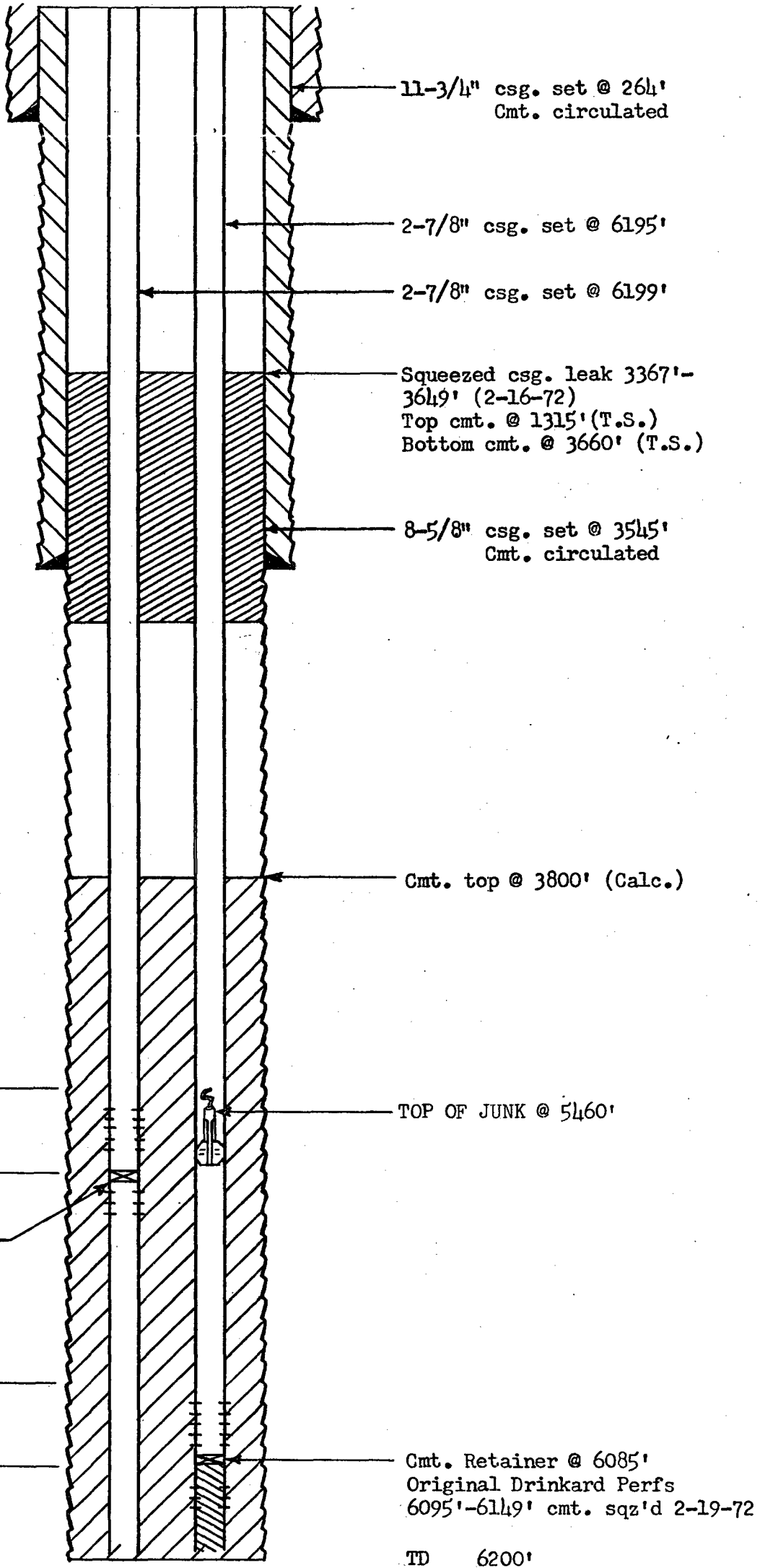
LESENO

(ABD)	ABANDONED
(ASD)	ABANDONED-SALVAGE DEFERRED
(SI)	SHUT IN
(SWD)	SALT WATER DISPOSAL
(TA)	TEMPORARILY ABANDONED
(TRO)	TO BE RECONDITIONED FOR OIL

TEXACO Inc.
JUSTIS & LANGLIE MATTIX POOLS
 LEA COUNTY, NEW MEXICO

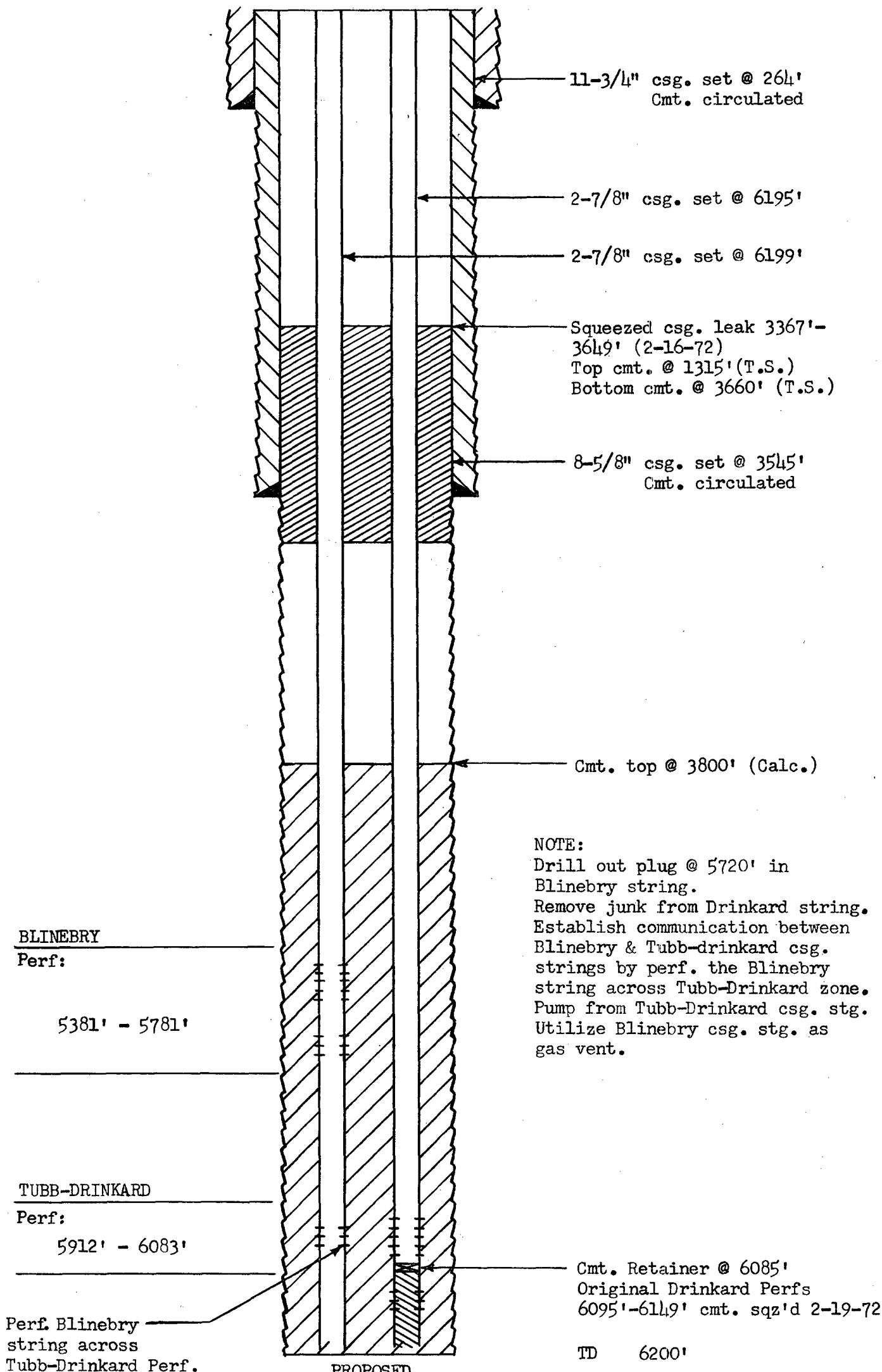


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PRESENT COMPLETION

TEXACO Inc.
G. L. ERWIN "A" FED. NO. 4
JUSTIS (BLINEBRY & TUBB-DRINKARD) POOL
LEA COUNTY, NEW MEXICO



11-3/4" csg. set @ 264'
Cmt. circulated

2-7/8" csg. set @ 6195'

2-7/8" csg. set @ 6199'

Squeezed csg. leak 3367'-
3649' (2-16-72)
Top cmt. @ 1315' (T.S.)
Bottom cmt. @ 3660' (T.S.)

8-5/8" csg. set @ 3545'
Cmt. circulated

Cmt. top @ 3800' (Calc.)

NOTE:
Drill out plug @ 5720' in
Blinebry string.
Remove junk from Drinkard string.
Establish communication between
Blinebry & Tubb-drinkard csg.
strings by perf. the Blinebry
string across Tubb-Drinkard zone.
Pump from Tubb-Drinkard csg. stg.
Utilize Blinebry csg. stg. as
gas vent.

BLINEBRY
Perf:
5381' - 5781'

TUBB-DRINKARD
Perf:
5912' - 6083'

Perf. Blinebry
string across
Tubb-Drinkard Perf.

Cmt. Retainer @ 6085'
Original Drinkard Perfs
6095'-6119' cmt. sqz'd 2-19-72

TD 6200'

PROPOSED
DOWNHOLE COMMINGLING PROCEDURE
TEXACO Inc.
G. L. ERWIN "A" FED. NO. 4
JUSTIS (BLINEBRY & TUBB-DRINKARD) POOL
LEA COUNTY, NEW MEXICO

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE August 4, 1978

RE: Proposed MC _____
Proposed DHC _____ X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

AUG - 7 1978

Gentlemen:

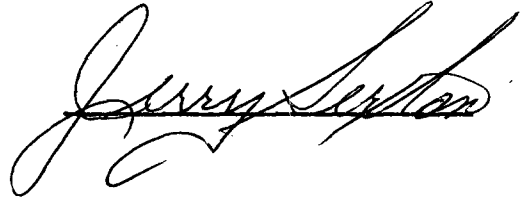
I have examined the application dated _____

for the Texaco Inc. G. L. Erwin "A" Federal #4-L 35-24-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,



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