

August 31, 1973

Wellbore Comingling and Dual Completion
C. H. Weir "B" Well No. 4
Skaggs Glorieta, Weir Blinebry East, and
Weir Tubbs East Pools
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2068
Santa Fe, New Mexico 87501

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

Gentlemen:

TEXACO Inc. respectfully requests administrative approval of the attached applications for:

1. The comingling in the wellbore of production from the Skaggs Glorieta and the Weir Blinebry East Pools.
2. The dual completion of the comingled Skaggs Glorieta and Weir Blinebry East Pools with the Weir Tubbs East Pool.

TEXACO's C. H. Weir "B" Well No. 4, located in Unit I of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, is presently a triple completion in the Eumont Gas, Skaggs Glorieta and Weir Blinebry East Pools as permitted by administrative order no. NC-1918. TEXACO Inc. proposes to perform the following remedial work on the subject well:

1. Abandon the Eumont Gas Zone by squeezing the perforated interval with cement.
2. Complete the well in the Weir Tubbs East Pool.
3. Downhole comingling the Skaggs Glorieta and Weir Blinebry East Pools.

New Mexico Oil Conservation Commission

(2)

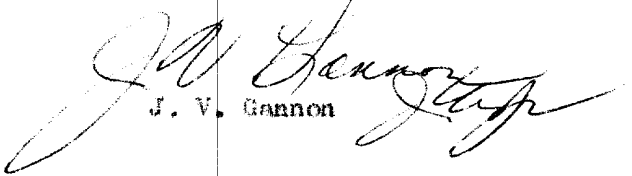
August 31, 1973

Production from the Skaggs Clorieta and Weir Blinbry East Pools is presently commingled at the surface in a common tank battery. The two fluids are compatible as the surface commingling has not caused the development of undesirable precipitates or scale. Due to the surface commingling, no loss of revenue will be experienced from downhole commingling.

All offset operators have been notified of TEXACO's intentions by copy of this application.

Your cooperation in approval of this application is appreciated.

Yours very truly,


J. V. Gannon

CES/kw
NMOCC-Hobbs
Offset Operators
Attachments

1. The first part of the paper is devoted to the study of the

properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function. The second part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function.

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator TEXACO Inc.		County Lea		Date August 31, 1973
Address Box 728, Hobbs, New Mexico 88240		Lease C. H. Weir "B"		Well No. 4
Location of Well I	Unit 11	Section 11	Township T-20-S	Range R-37-N

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. **H-2161 MC-1597**; Operator Lease, and Well No.: **TEXACO Inc.**
C. H. Weir "B" Well No. 5 & **C. H. Weir "B" Well No. 10**

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Shaggs Glorieta	Weir Blinney East	Weir Tubbs East
b. Top and Bottom of Pay Section (Perforations)	5303 to 5313	5783 to 5975	6430 to 6510
c. Type of production (Oil or Gas)	Oil	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Artificial lift	Artificial lift	Flowing

4. The following are attached. (Please check YES or NO)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

*Submitted to Oil Conservation Commission on previous application.

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Continental Oil Company, Box 431, Permian Bldg., Midland, Texas 79701

Cities Service Oil Company, box 4906, 200 Vanden Bldg., Midland, Texas 79701

Gulf Oil Company, Box 1150, Gulf Bldg., Midland, Texas 79701

Exxon Oil Company, Box 1000, Midland, Texas 79701

Southwest Production Company, 3108 Southland Center, Dallas, Texas

APCO Oil Corporation, 17th Floor, Houston Natural Gas Bldg., Houston, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐. If answer is yes, give date of such notification _____.

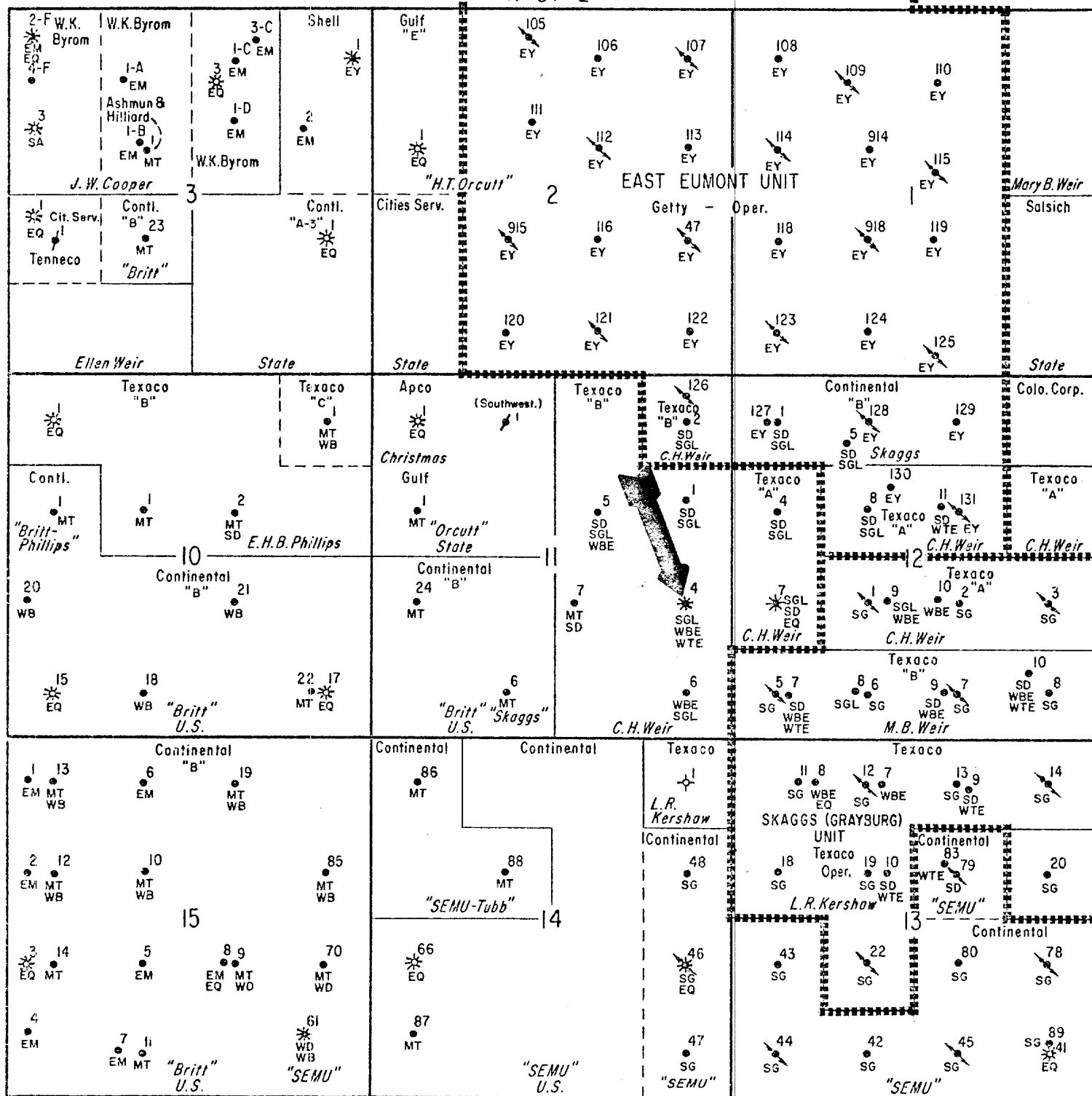
CERTIFICATE: I, the undersigned, state that I am the **Assistant District Mgr.** of the **TEXACO Inc.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

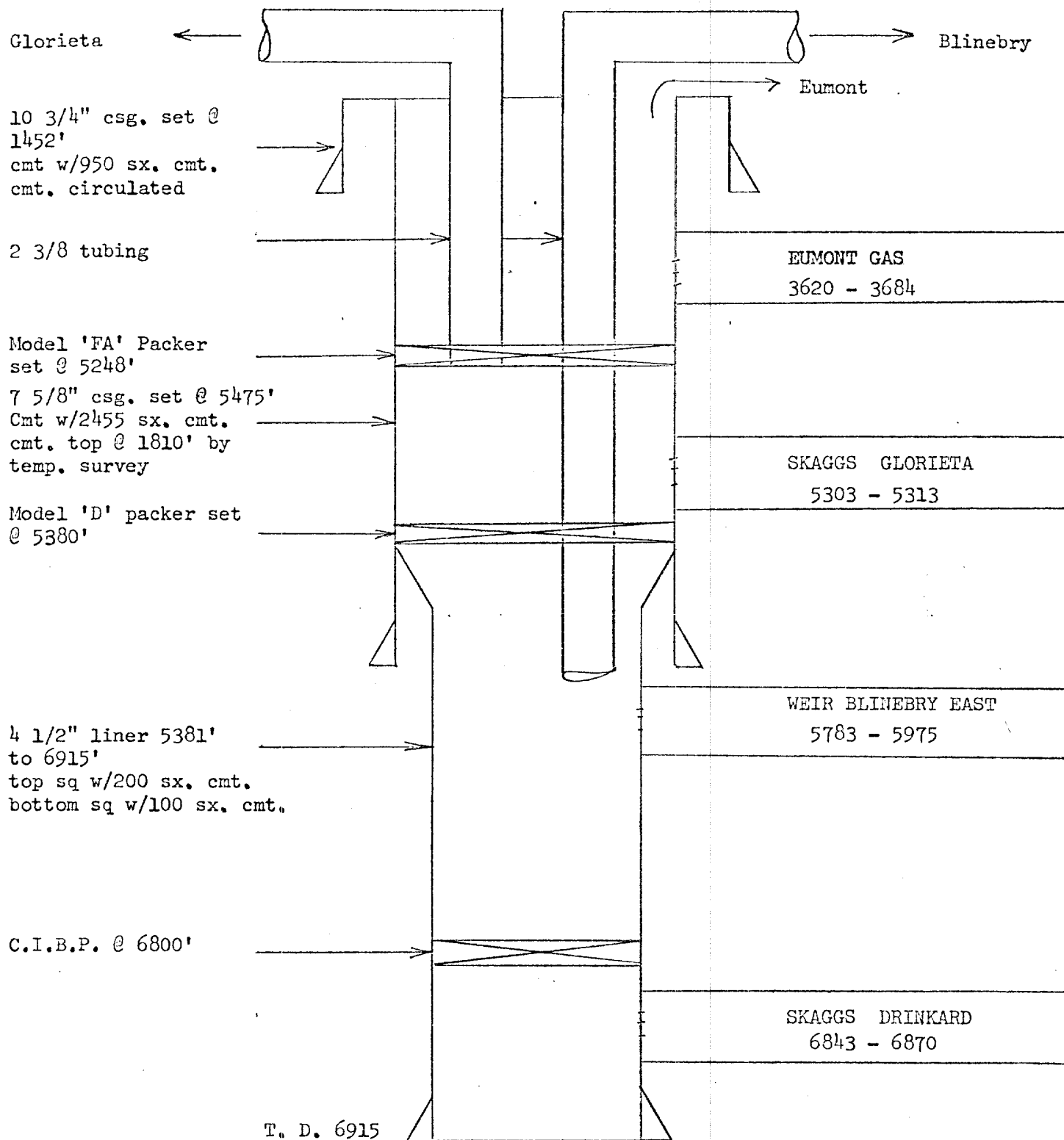
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LEGEND :

EM - EUNICE MONUMENT GRAYBURG SAN ANDRES	SG - SKAGGS GRAYBURG
EQ - EUMONT QUEEN GAS	SGL - SKAGGS CLORIETA
EY - EUMONT YATES SEVEN RIVERS	WB - WEIR BLINEBRY
MT - MONUMENT TUBB	WBE - WEIR BLINEBRY EAST
SA - SAN ANDRES MIDDLE GAS	WD - WEIR DRINKARD
SD - SKAGGS DRINKARD	WTE - WEIR TUBB EAST

TEXACO Inc.
OIL & GAS COMPLETIONS
IN PART OF
T-20S R-37-E
LEA COUNTY, NEW MEXICO
CPC/FMR 5-25-72



DIAGRAMATIC SKETCH

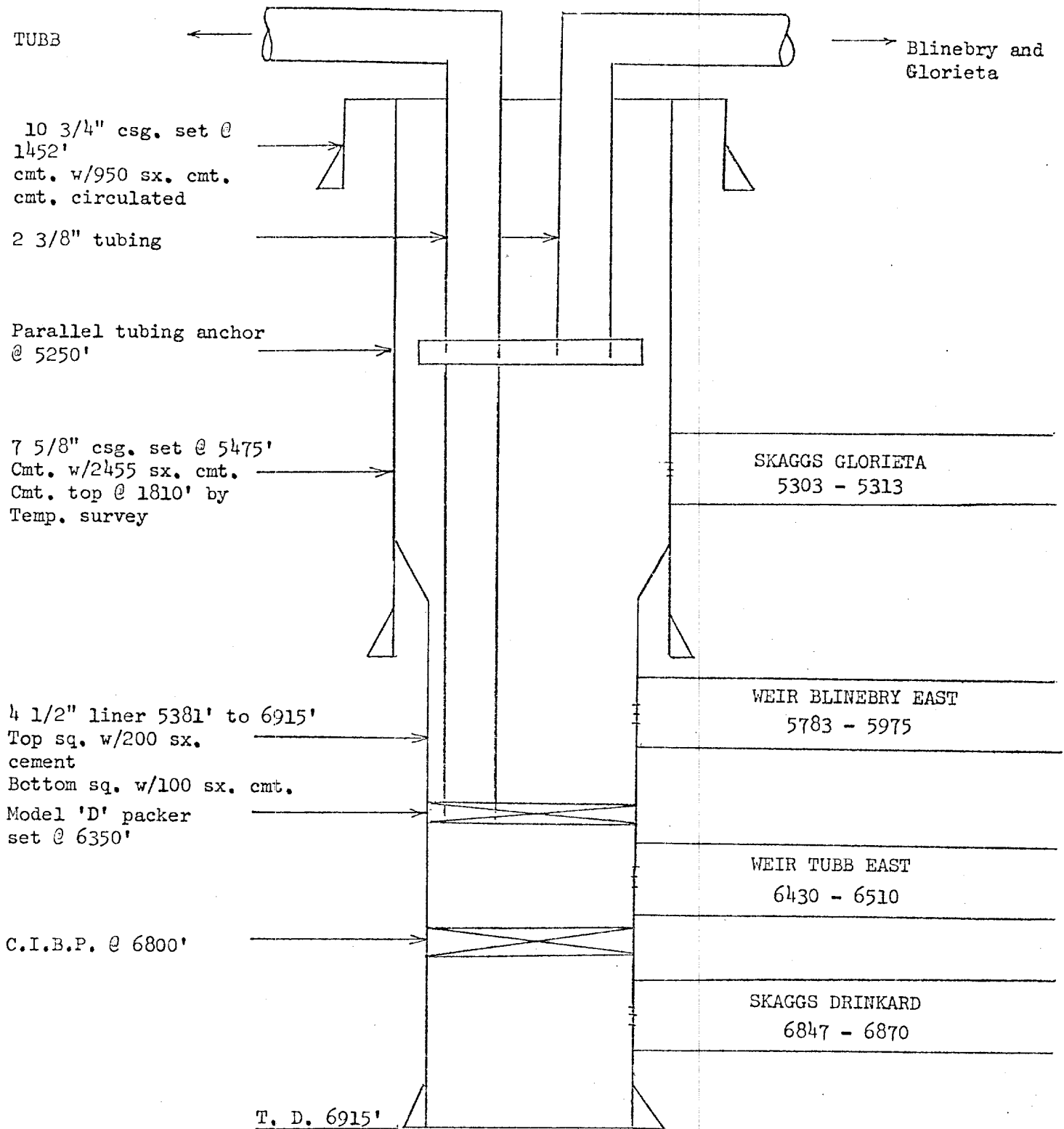
PRESENT COMPLETION

TEXACO INC.

C. H. WEIR "B" WELL NO. 4

EUMONT GAS, SKAGGS GLORIETA AND WEIR BLINEBRY EAST POOLS

LEA COUNTY, NEW MEXICO



DIAGRAMATIC SKETCH

PROPOSED COMPLETION

TEXACO INC.

C. H. WIER "B" WELL NO. 4

SKAGGS GLORIETA, WEIR BLINEBRY EAST, AND WEIR TUBB EAST POOLS

LEA COUNTY, NEW MEXICO

DATA SHEET FOR WELLBORE COMMINGLING

Operator: TEXACO Inc.

Address: Box 728, Hobbs, New Mexico 88240

Lease and Well No.: C. H. Weir 'B' Well No. 4

Location: Unit I, Section 11, T-20-S, R-37-E, Lea County, New Mexico

WELL DATA

	<u>Upper Pool</u>	<u>Middle Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Skaggs Glorieta</u>	<u>Weir Blinberry East</u>	
Producing Method	<u>Pumping</u>	<u>Pumping</u>	
BHP	<u>500 psi</u>	<u>1000 psi</u>	
Type Crude	<u> Sour</u>	<u> Sour</u>	
Gravity	<u>36.8</u>	<u>37.0</u>	
GOR Limit	<u>2000: 1</u>	<u>2000: 1</u>	
Completion Interval	<u>5303'-5313'</u>	<u>5783'-5975'</u>	
Current Test Date	<u>8-20-73</u>	<u>8-6-73</u>	
Oil	<u>12</u>	<u>5</u>	
Water	<u>3</u>	<u>0</u>	
GOR	<u>7500</u>	<u>4400</u>	
Selling Price of Crude - \$/BBL.	<u>3.62</u>	<u>3.62</u>	
Daily Income - \$/Day	<u>43.44</u>	<u>18.10</u>	

COMMINGLED DATA:

Gravity of Commingled Crude 36.9

Selling Price of Commingled Crude - \$/BBL. 3.62

Daily Income - \$/Day 61.54

Net (Gain) (Loss) from Wellbore Commingling - \$/Day None-Production currently being commingled on surface.

C-116
Revised 1-1-65

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)

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator TEXACO Inc.		Pool Weir Blinberry East		County Lea											
Address Box 728, Hobbs, New Mexico 88240		TYPE OF TEST - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>		Completion <input type="checkbox"/>											
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'S.	GRAV. OIL		OIL BBL'S.	GAS M.C.F.
C. H. Weir 'B'	4	I	11	20-S	37-E	8-6-73	-	-	5	24	0	37	5	22	4400

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

(Signature)
Assistant District Superintendent

(Title)

(Date)

UNIT 1, SEC. 11, T-20-S, R-37-E
SKAGGS GLORIETA AND WEIR BLINEBRY EAST POOLS
LEA COUNTY, NEW MEXICO

OIL PRODUCTION - BBLIS/DAY

