

OIL CONSERVATION COMM.
Santa Fe



PETROLEUM PRODUCTS

February 26, 1974

DHC - 141
Due 3/19/74

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
C. H. Weir "B" Well No. 1
Skaggs Glorieta and Skaggs
Drinkard Pools
Lea County, New Mexico

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

Gentlemen:

Texaco Inc. requests administrative approval to commingle in the wellbore oil production from the Skaggs Glorieta Pool and the Skaggs Drinkard Pool which are dually completed as permitted by Administrative Order No. R-1165 dated April 22, 1958, in Well No. 1 on the C. H. Weir "B" Lease, located in Section 11, Township 20 South, Range 37 East, Lea County, New Mexico.

The subject well, for which wellbore commingling approval is requested, qualifies under the provisions of Statewide Rule 303 C, which provides for administrative application and approval of wellbore commingling. Both zones are classified as oil zones and produce at rates below the limits specified in the subject order. The Glorieta zone is pumping and the Drinkard zone is flowing but upon completion of the commingling, production will be by artificial lift. There is no water produced from the subject well. The fluids from these two reservoirs have been commingled on the surface in common storage for several years and are known to be compatible. Ownership of the minerals in both zones is common, and the value of the commingled fluids is not less than the total value of the fluids if they were marketed separately. Secondary operations will not be jeopardized by approval of this application.

An established decline in production for the past several years has not been established due to frequent remedial work to open additional pay and repair communication as is shown on the attached Oil Conservation Commission form C-103's. A rate of decline can be established for this well based on the production history prior to the remedial work.

Mr. A. L. Porter, Jr.

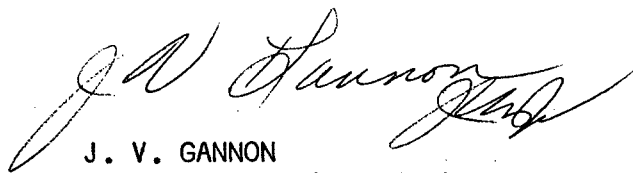
-2-

February 26, 1974

A data sheet is attached listing all required data for the two reservoirs that are productive in the well. Also attached is a production decline curve for each zone in the well and a current Bottom Hole Pressure for the Drinkard zone. Well tests are included as submitted on Form C-116.

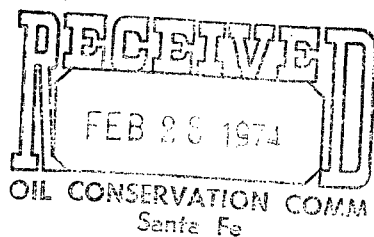
Copies of this application are being mailed to each of the offset operators shown on the attached list.

Yours very truly,



J. V. GANNON
District Superintendent

JBS-ECH-ks
MAS, Jr.
NMOCC - Hobbs
Attachments



DATA SHEET FOR WELLBORE COMMINGLING

Operator: Texaco Inc.

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

Lease and Well No: C. H. Weir "B" No. 1

Location: Unit H; 1984 Feet from the North Line and
660 Feet from East Line of Section 11;
Township 20-S, Range 37-E; Lea County.

WELL DATA

	<u>Upper Pool</u>	<u>Lower Pool</u>
Name of Pool	<u>Skaggs Glorieta</u>	<u>Skaggs Drinkard</u>
Producing Method	<u>Pump</u>	<u>Flow</u>
BHP	<u>320</u>	<u>811</u>
Type Crude	<u>Sour</u>	<u>Sour</u>
Gravity	<u>36.6°</u>	<u>36.6°</u>
GOR Limit	<u>2,000</u>	<u>2,000</u>
Completion Interval	<u>5266' - 5310'</u>	<u>6823' - 6896'</u>
Current Test Date	<u>2-4-74</u>	<u>1-5-74</u>
Oil	<u>2</u>	<u>35</u>
Water	<u>0</u>	<u>0</u>
GOR	<u>19,000</u>	<u>8,086</u>
Selling Price of Crude-\$/BBL.	<u>5.12</u>	<u>5.12</u>
Daily Income - \$/Day	<u>10.24</u>	<u>179.20</u>

COMMINGLED DATA:

Gravity of Commingled Crude 36.6° (Commingled at Battery)

Selling Price of Commingled Crude - \$/BBL. 5.12

Daily Income - \$/Day 189.44

Net (Gain) (Loss) From Wellbore Commingling - \$/Day 0
based on current producing rates.



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 Drinkard FORMATION Drinkard

LEASE C. H. Weir B WELL No. 1

COUNTY Lea STATE New Mexico

DATE 2-20-74 TIME 1:00 Pm

Status Shut In Test depth 6770'

Time S. I. 24.0 Hrs Last test date -

Tub Pres. 675 BHP last test -

Cas. Pres. Dual BHP change -

Elev 3602' KB-10' Fluid top NONE

Datum (-3258') ** Water top NONE

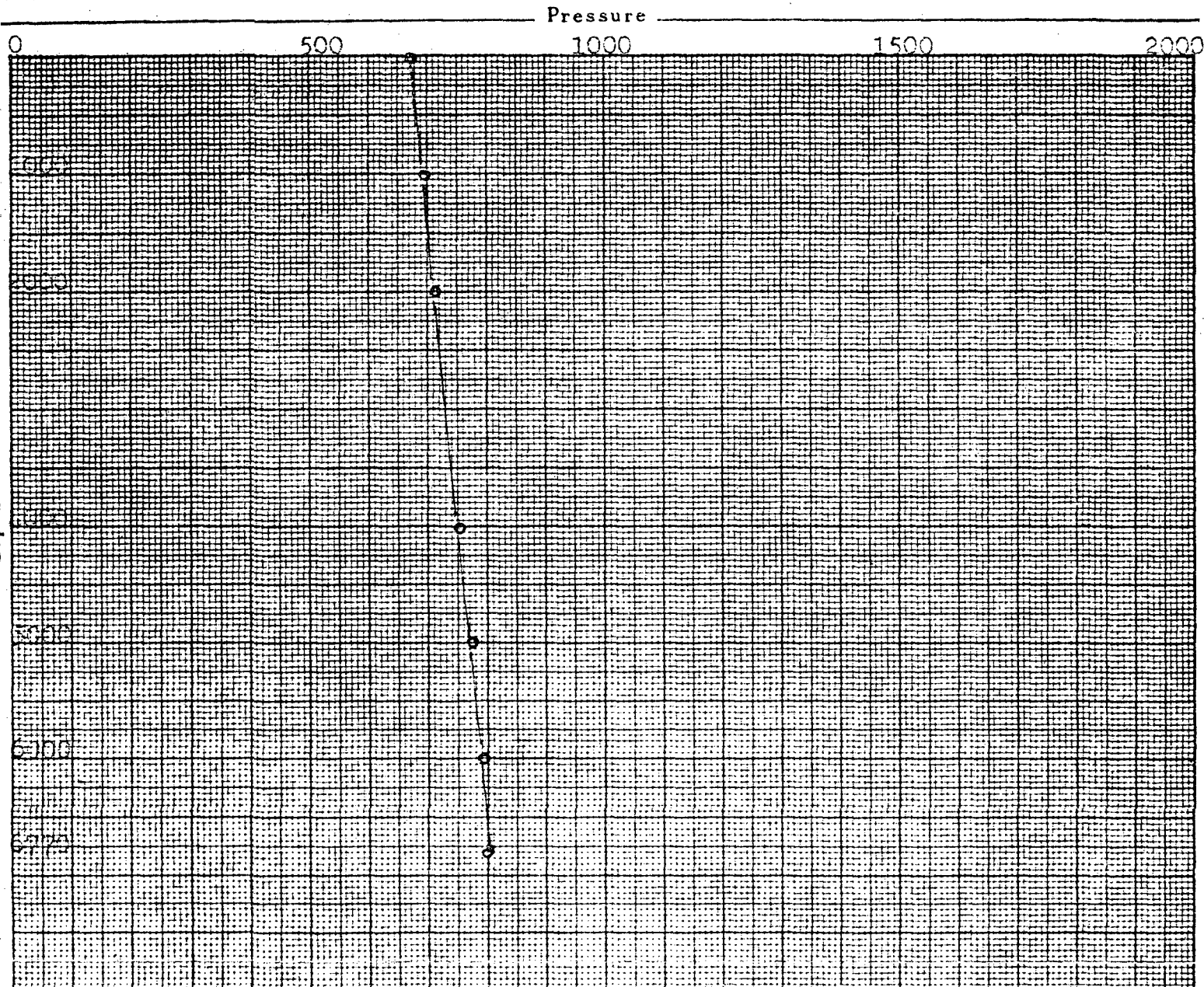
Temp. @ 105°F Run by Adkins

Cal. No. A4586N Chart No. 1

Depth	Pressure	Gradient
0	675	-
1000	691	.016
2000	711	.020
4000	751	.020
5000	772	.021
6000	793	.021
6775	809	.021
6860 (-3258)	811* **	(.021)

* Extrapolated pressure

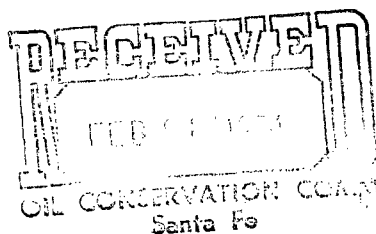
** Mid point of casing perforations



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Texaco Inc.		County Lea													
Address P. O. Box 728 - Hobbs, New Mexico 88240		Pool Skaggs Drinkard													
TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒													
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBL.	GRAV. OIL		OIL BBL.	GAS M.C.F.
C. H. Weir "B"	1	H	11	20S	37E	1-5-74	F21/64	75	37	24	0	37	35	283	8,086



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

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.

[Signature]
(Signature)

Assistant District Superintendent

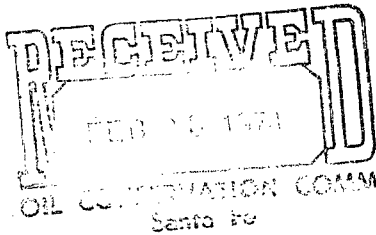
(Title)
2-26-74

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Texaco Inc.		Pool Skaggs Glorieta		County Lea											
Address P. O. Box 728 - Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
C. H. Weir "B"	1	H	11	20S	37E	2-4-74	P	-	3	24	0	35.8	2	38	19,000



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(Signature)
Assistant District Superintendent
(Title)
2-26-74
(Date)

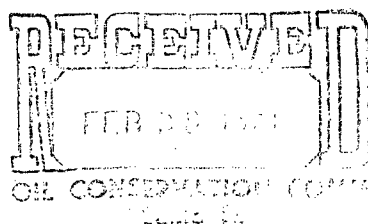
OFFSET OPERATORS

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

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

Cities Service Oil Company
Cities Service Building
Bartlesville, Oklahoma 74003

Exxon Company USA
P. O. Box 1600
Humble Building
Midland, Texas 79701



NEW FILE

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

JUN 20 6 12

Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name
2. Name of Operator TEXACO Inc.	8. Farm or Lease Name C. H. Weir 'B'
3. Address of Operator P. O. Box 728, Hobbs, New Mexico 88240	9. Well No. 1
4. Location of Well UNIT LETTER <u>H</u> 1984 FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>11</u> TOWNSHIP <u>20-S</u> RANGE <u>37-E</u> NMPM.	10. Field and Pool, or Wildcat SkAggs Drinkard
15. Elevation (Show whether DF, RT, GR, etc.) 3590' (GR)	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐
ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The Following Work Has Been Completed On Subject Well:

1. Pulled production pump and rods from Glorieta zone and tubing from Drinkard zone.
2. Replace joints damaged in Drinkard string and re-run equipment in both zones.
3. Acidized Drinkard perforations 6856-6886' w/5000 gal 15% HF Acid.
4. Swab, test and return to production.

Conduct ptr - leakage test

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

SIGNED

RECEIVED

Assistant District

TITLE Superintendent

DATE June 19, 1969

APPROVED BY

TITLE

DATE

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OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
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5a. Indicate Type of Lease

State ☐ Fee ☒

5. State Oil & Gas Lease No.

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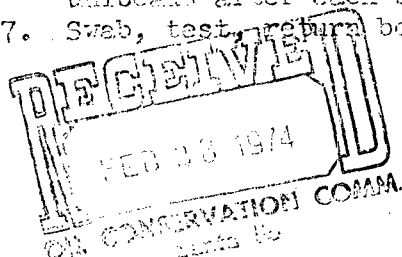
SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☒ Repair Communication

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The following work has been completed on subject well

1. Pull production rods, pump, and tubing on Glorieta zone. Pull tubing on Drinkard
2. Run 2 3/8" OD tubing thru packer and hang @ 6815'.
3. Perforate 5 1/2" OD casing in Drinkard w/1-JSPF from 6823' to 6838'; w/1 JSPI @ 6844', 6848', 6849', and 6850'.
4. Pull tubing. Replace bad joints of Drinkard and run 2 1/16" Drinkard tubing w/P.S. Anchor @ 5152' and latch into packer.
5. Run 2 1/16" Glorieta tubing & latch into anchor @ 5152'. Run rods and pump.
6. Acidize Drinkard perforations w/4000 gals. 15% Acid in 4 equal stages w/50# unibeads after each stage.
7. Swab, test, return both zones to production.



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

SIGNED [Signature] Assistant District SUPERINTENDENT DATE July 2, 1970

APPROVED BY [Signature] SUPERVISOR DISTRICT DATE JUL 6 1970

CONDITIONS OF APPROVAL IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

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TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER ☐

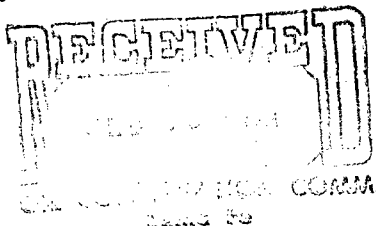
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REMEDIAL WORK ☒	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The following work on subject well has been completed:

1. Pulled rods and pump from Glorieta string.
2. Unlatch Glorieta tubing from the parallel string anchor and pull.
3. Release the Drinkard tubing from the Model "D" packer and pull.
4. Ran RBP and packer. Set at 5400'. Packer @ 5227'.
5. Spotted 2 drums of Gypsol III solution and 1 drum fresh water across perforations 5266' - 5310' and let solution soak overnight.
6. Circulate out spent Gypsol solution.
7. Acidized perforations 5266' - 5310' w/1000 gals 15% homogenized acid in 4 - 250 gal stages w/15 bbls NE water between stages and 200# rock salt/stages.
8. Released packer, pull bridge plug and 2-1/16" tubing.
9. Ran 2-1/16" Drinkard and Glorieta tubing.
10. Ran rods in Glorieta string.
11. Swab Drinkard zone.
12. Return Glorieta to production.
13. Took packer leakage test.
14. Return both zones to production.



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

SIGNED <u>[Signature]</u>	TITLE Assistant District Superintendent	DATE May 13, 1971
APPROVED BY <u>[Signature]</u>	TITLE SUPERVISOR DISTRICT 1	DATE MAY 17 1971
CONDITIONS OF APPROVAL, IF ANY:		