

March 5, 1965

New Mexico Oil Conservation Commission
P. O. Box 2038
Santa Fe, New Mexico

Re: Revision of Administrative
Order No. MC-1589 for
Combination Triple Completion,
TEXACO Inc. C. H. Weir "B"
Well No. 6, Lea County, New
Mexico

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

Gentlemen:

TEXACO Inc. respectfully requests revision of Administrative Order No. MC-1589 to permit the triple completion of C. H. Weir "B" Well No. 6 in such manner as to produce oil from the Glorieta formation adjacent to the Skaggs Glorieta Pool, gas from an Undesignated Elinebry Gas Pool and gas from an Undesignated Drinkard Gas Pool. Order No. MC-1589 authorized completion of the subject well in such manner as to produce oil from the Elinebry formation adjacent to the East Weir Elinebry Pool and from the Tubb formation adjacent to the Monument Tubb Pool through parallel strings of 2-7/8 inch casing cemented in a common well bore.

Subsequent to receiving Order No. MC-1589, the well was drilled to total depth and logging surveys indicated the Glorieta zone as being more prospective than anticipated, the Elinebry and Tubb zones as probably being gas productive rather than oil productive as anticipated, and the Drinkard zone as being more highly developed than anticipated and probably productive of gas. Due to the limiting size of the 8-5/8 inch surface casing, only two strings of production casing were run, both strings being 2-7/8 inch casing. The Glorieta zone was completed as a oil producer in one string and the Drinkard zone was completed as a gas producer in the other string.

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It is proposed to complete the well in such manner as to produce oil from the Glorieta zone through one 2-7/8 inch casing string, gas from the Brinkard zone through 1.9 inch OD API Integral Joint H-80 tubing run and set inside of the other 2-7/8 inch casing string with a packer set between the Blinbery and Brinkard zones, and gas through the 1.9 inch x 2-7/8 inch tubing-casing annulus. Completion in this manner would be commensurate with prudent conservation procedures and practices based on economics, equipment used and the ability of each gas zone to produce when completed in the aforementioned manner. The estimated cost to complete the Blinbery zone in the described manner is \$17,900 as compared to \$59,600 for drilling and completing a Blinbery single tubingless completion well. The ability of each well to produce is illustrated by test data on the attached "DATA SHEET".

TEXACO Inc. C. H. Weir "A" Well No. 9 is the nearest well to the subject well completed in the Blinbery gas zone. Logs indicate the Blinbery zone in the subject well as being developed better than in C. H. Weir "A" Well No. 9. Therefore, it may reasonably be assumed that the producing capability of the Blinbery zone in the subject well will be greater than the attached data indicates. Since each zone produces relatively small liquid volumes, no production problems are expected due to the presence of liquids. Also, it is anticipated that no liquids shall be produced from either gas zone at the time when the bottom hole pressure of each zone declines to the economic producing limit.

The 1.9 inch OD, 1.61 inch ID, tubing has a minimum collapse pressure of 6900 psi and minimum internal yield pressure of 10,600 psi. It is proposed that a Brown Oil Tools, Inc. "Husky" retrievable hookwall type packer be set between the Blinbery and the Brinkard zones. This packer has been tested to 8000 psi differential pressure on the bottom and to 6000 psi differential pressure on the top. Both tubing and packer strength specifications exceed all anticipated requirements.

The New Mexico Oil Conservation Commission has previously approved completion of the Glorieta, Blinbery and Brinkard zones in TEXACO Inc.'s C. H. Weir "A" Well No. 9 by Administrative Order No. MC-1217.

In view of the aforementioned producing capabilities that may be expected from the Blinbery and Brinkard zones, the quality of material to be used that considerably exceeds all expected requirements, and the economics of completing the subject well in the proposed manner, TEXACO Inc. would appreciate receiving administrative approval of the subject well. If administrative approval cannot be granted, TEXACO Inc. respectfully requests that an examiner hearing be scheduled on the earliest available docket for considering the proposed completion.

Yours very truly,


H. D. Raymond
Assistant District Superintendent

WPY/os
cc: HMOCC - Hobbs
Offset Operators

Attachments

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DATA SHEET

TEXACO Inc.

Application For Multiple Completion

C. H. Weir "A" Well No. 6

Lea County, New Mexico

<u>WELL</u>	<u>ZONE</u>	<u>DEPTH</u>	<u>B. DIST./C.</u>	<u>WAND</u>	<u>GRADE</u>	<u>SURFACE FLOW PRESS</u>	<u>SURFACE SI PRESS</u>	<u>DEP (STATIC)</u>	<u>STOCK TANK DISE. CR.</u>	<u>FLOW THROUGH</u>
C. H. Weir "A" #9	Elmore	1334.1	21.0	0	13/64"	2050 psi	2100 psi	2407 psi	72.0	2-7/8" cas.
C. H. Weir "B" #6	Drilhard	2172.0	2.5	0	15/64"	1750 psi	1962 psi	2432 psi	66.3	2-7/8" cas.

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1. Introduction to the study of the history of the world.

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

Form C-107
 5-1-61

Operator TEACO Inc.		County Log	Date March 5, 1966
Address Box 720, Hobbs, New Mexico		Lease C. H. Weir "A"	Well No. 9
Location of Well	Unit 11	Township 20 South	Range 37 East

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 1 NO _____

2. If answer is yes, identify one such instance: Order No. AG-1217; Operator Lease, and Well No.: TEACO Inc. C. H. Weir "A" well no. 9

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Shaggs Gloria	C. H. Weir Alimbry	Shaggs Drinkard
b. Top and Bottom of Pay Section (Perforations)	5265-5275'	5752-5926'	6771-6871'
c. Type of production (Oil or Gas)	oil	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Art. Lift	Flow	Flow

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 checked="" type="checkbox"/> | <input 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.) |

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

Continental Oil Company, P. O. Box 427, Hobbs, New Mexico

Cities Service Oil Company, P. O. Box 69, Hobbs, New Mexico

Humble Oil & Refining Company, P. O. Box 2100, Hobbs, New Mexico

Gulf Oil Corporation, P. O. Box 1938, Roswell, New Mexico

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES 1 NO _____. If answer is yes, give date of such notification March 5, 1966 (by registered mail)

CERTIFICATE: I, the undersigned, state that I am the Assistant Dist. Supt of TEACO 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.

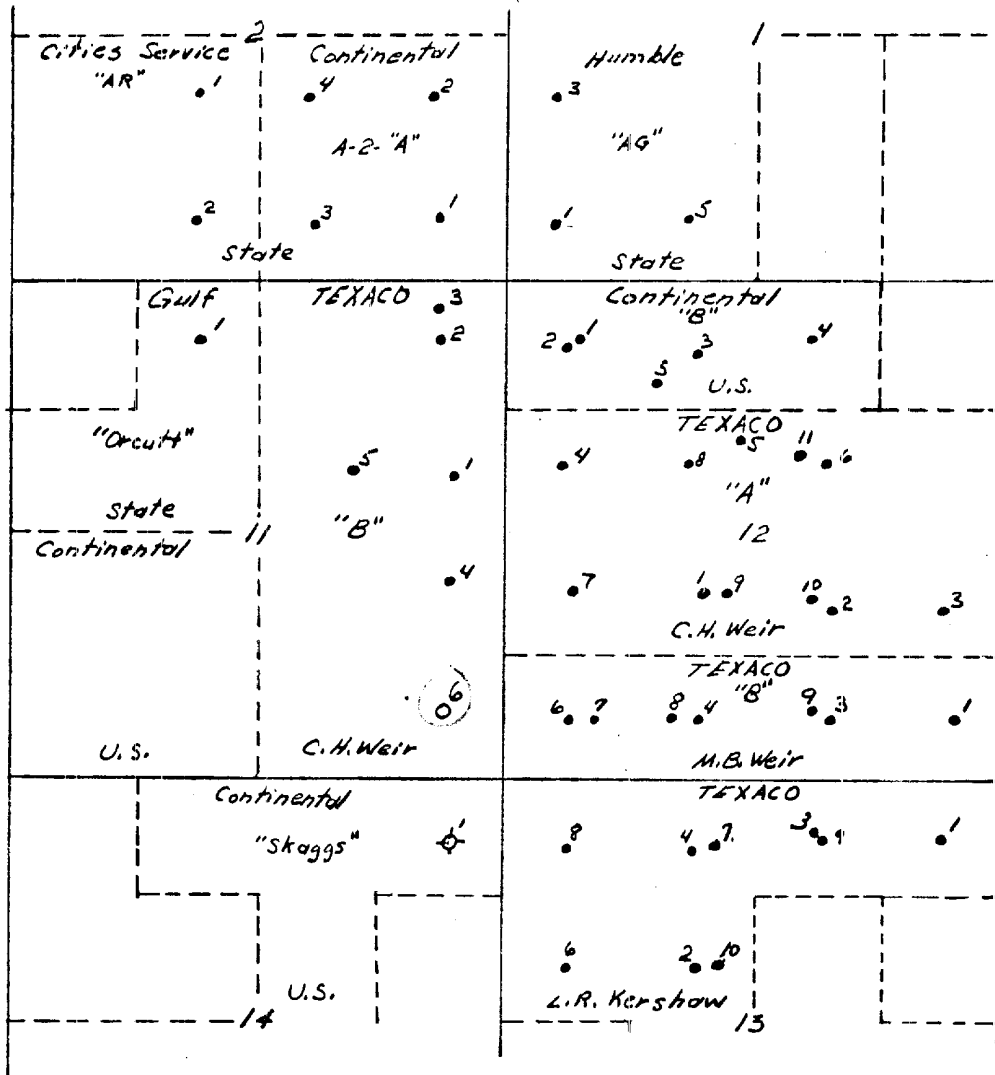
ILLEGIBLE

H. J. Raymond
 H. J. Raymond 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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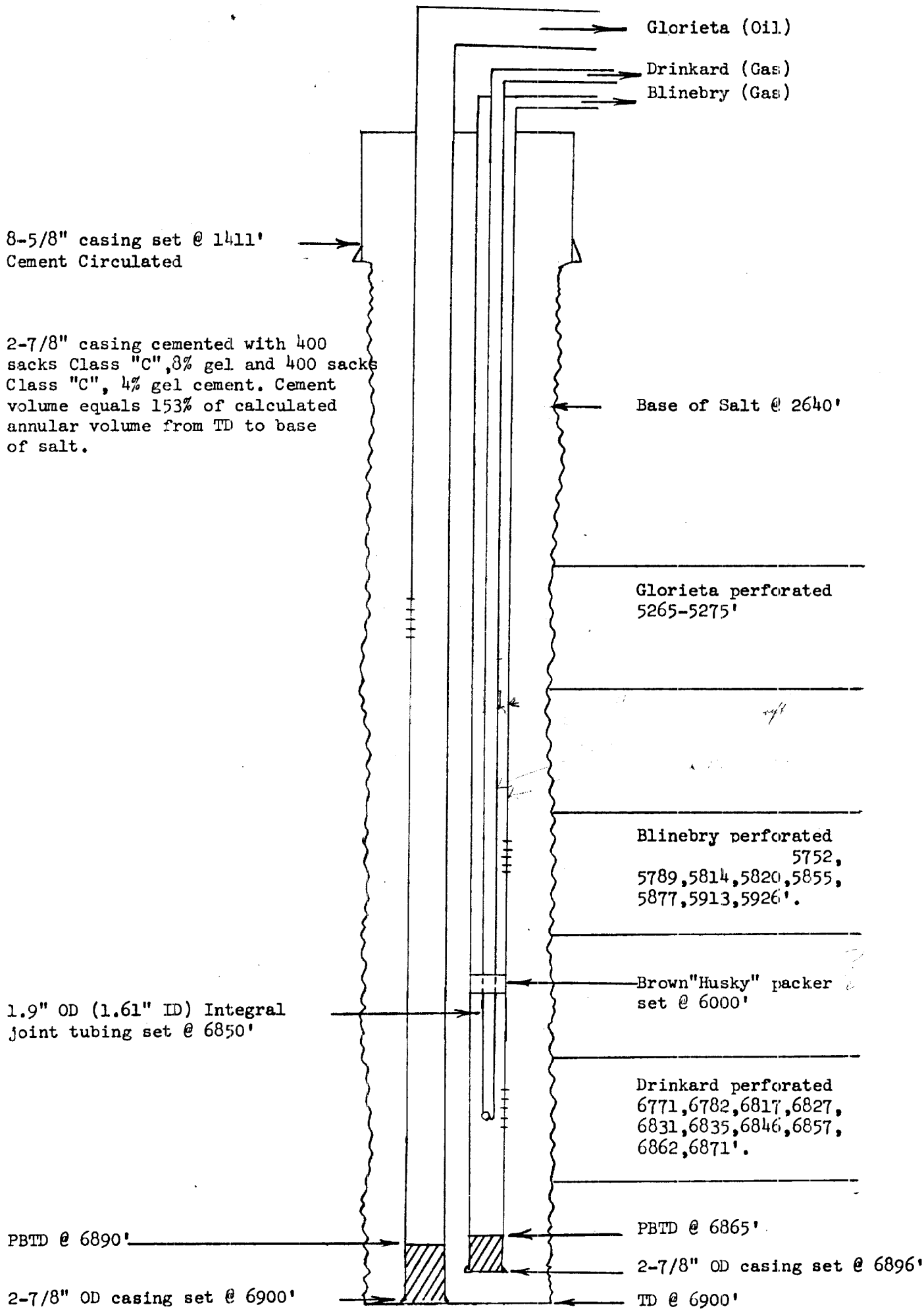
R-3T-E

TEXACO Inc.
 C. H. Weir "B" Lease
 Lea County, New Mexico

Scale: 1"=2000'

OFFSET OPERATORS

Continental Oil Company, Box 427, Hobbs, N.M.
 Cities Service Oil Co, Box 69, Hobbs, N.M.
 Humble Oil & Rfg. Co., Box 2100, Hobbs, N.M.
 Gulf Oil Corp., Box 1938, Roswell, N. M.



TEXACO Inc.

Sketch-Proposed Triple Completion
 C. H. Weir "B" Well No. 6

3-5-65