

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Drawer 1857 Roswell, New Mexico



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

Attention: Mr. M. I. Taylor

Gentlemen:

By letter of May 17, you request to be advised as to any objection this office may have to the flaring of gas produced during a reservoir limit test to be conducted on Hackberry Hills unit well No. 1 to determine whether sufficient reserves are available to justify the cost of a pipe line to a sales outlet for the unit gas. You estimate the stabilized flow rate of the well during the test will be approximately 3,000 MCF of gas per day.

This office has no objection to the flaring of the gas produced from the Hackberry Hills unit well No. 1 during the proposed reservoir limit test.

Sincerely yours,

Carl C.T. Majuick

CARL C. TRAYWICK Acting Oil and Gas Supervisor

Case No. <u>2843</u> Exhibit No. <u>4</u> June 26, 1963

## PROPOSED **RESERVOIR LIMIT TEST** HACKBERRY HILLS UNIT NO. 1

## Procedure For Test

- 1. With well shut-in measure tubing pressure by DWT.
- Run Amerada bomb to bottom equipped with a 72-hour clock and allow 2. to remain on bottom 15 minutes before opening well.
- 3. Open well to 16/64-inch choke and flow through a calibrated orifice meter leaving bomb on bottom. Based upon previous test data, this choke setting should permit a producing rate of approximately 3.0 MMCF/D. It is very important that the rate remain constant during the entire test. This will probably require occasionally adjusting the choke setting.
- 4. Measure by DWT the flowing tubing pressure - hourly if possible. This may be supplemented by installation of a pressure recorder.
- At the end of the 72-hour flow period, pull bomb with well flowing; 5. replace chart and rerun. Measure tubing pressure w/DWT before pulling and after rerunning bomb.
- Continue flowing for a second 72-hour period, maintaining constant 6. rate and periodically measuring tubing pressure w/DWT.
- 7. Evaluation of the first pressure chart will be made during the second 72-hour flow period to determine necessity of continuing the test.
- 8. At the end of the test, measure tubing pressure w/DWT and close well in for 72-hour buildup.
- 9. After 72-hour buildup, measure tubing pressure w/DWT and pull bomb.

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Case No. 2843 Exhibit No. 3 June 26, 1963

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DOVENSO JACK M. CAMPBELL ONSEMPLE

## *Itale* of New Mexico **Oil Conserf**istion Commission



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STATE GEOLDGIST A. L. PORTER, JR. SEGRETARY - DIRECTOR

July 2, 1963

Mr. Bill Kastler Gulf Oil Corporation Post Office Box 1938 Roswell, New Mexico

R. 8 :	Case No.	2843
	Order No.	R-2510
	Applicant	

GULF OIL CORPORATION

Dear Sir:

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LAND COMMISSIONER

E. B. JOHNNY WALKER

MEMBER

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. FORTER, Jr. Secretary-Director

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Carbon copy of order also sant mos

Bobbs OCC \_\_\_\_

Artesia OCC\_\_\_\_X\_\_\_

Astec OCC

OTHER