

OCC
Hobbs

DC-258

And 1/17/55

GULF OIL CORPORATION
FORT WORTH PRODUCTION DIVISION
P. O. Box 2167
Hobbs, New Mexico

November 28, 1955

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Application to Dually Complete Gulf
Oil Corporation's H. T. Mattern "B"
No. 5, Arrow Gas and Penrose-Skelly
Oil Pools, Lea County, New Mexico.

Gentlemen:

By this letter of application, Gulf Oil Corporation wishes to state the following:

(a) That Gulf Oil Corporation's H. T. Mattern "B" No. 5, located in the C SW/4 SE/4 of Section 30-21S-37E, ~~was~~ completed December 3, 1944, at a total depth of 3800'. The attached Exhibit "A" shows the location of this well on the Gulf Oil Corporation's H. T. Mattern "B" Lease together with the location of all offset wells. The attached Exhibit "B" shows a diagrammatic sketch of the proposed dual completion.

(b) That subject well has 5½" casing set at 3673' and cemented with 200 sacks of cement. The well is an oil well producing from the open hole interval 3673-3800' from the Grayburg formation in the Penrose-Skelly Pool.

(c) That the applicant proposes to dually complete the well in the following manner:

1. Perforate the 5½" casing within the interval of 3408' to 3618' in the Queen formation in the Arrow Gas Pool.
2. Set production type packer below these perforations at approximately 3660' to separate the two pay zones.
3. Produce the Penrose-Skelly Pool oil through the tubing and the Arrow gas through the tubing-casing annulus.

(d) That the granting of this application for permission to produce the well as a dual completion with gas from the Arrow and oil from the Penrose-Skelly is in the interest of conservation and the protection of correlative rights.

(e) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.

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(f) That the manner and method of the proposed dual completion is mechanically feasible and practical.

(g) That by copy of this letter of application, all offset operators are notified of the proposed dual completion.

Therefore, Gulf Oil Corporation requests that the Oil Conservation Commission grant permission to dually complete the subject well as proposed in this application.

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

Respectfully submitted,


C. F. Taylor
Area Superintendent of Production

CRK/bh
Att'd.

Sworn to and subscribed before me this the 28th day of November 1955.

7-16-58
My Commission Expires

J. J. Van Horn
Notary Public

cc: Amerada Petroleum Corporation
Box 2040
Tulsa, Oklahoma

Sinclair Oil & Gas Company
901 Fair Building
Fort Worth, Texas

Bay Petroleum Corporation
Box 216
Seminole, Texas

Skelly Oil Company
Box 38
Hobbs, New Mexico

Magnolia Petroleum Company
Box 727
Kermit, Texas

Southern Petroleum Exploration Company
% J. B. Headley
Roswell, New Mexico

Markham, Cone and Redfern
209 Turner Drive
Hobbs, New Mexico

The Texas Company
Box 1270
Midland, Texas

Mepenza Oil Company
Box 1628
Hobbs, New Mexico

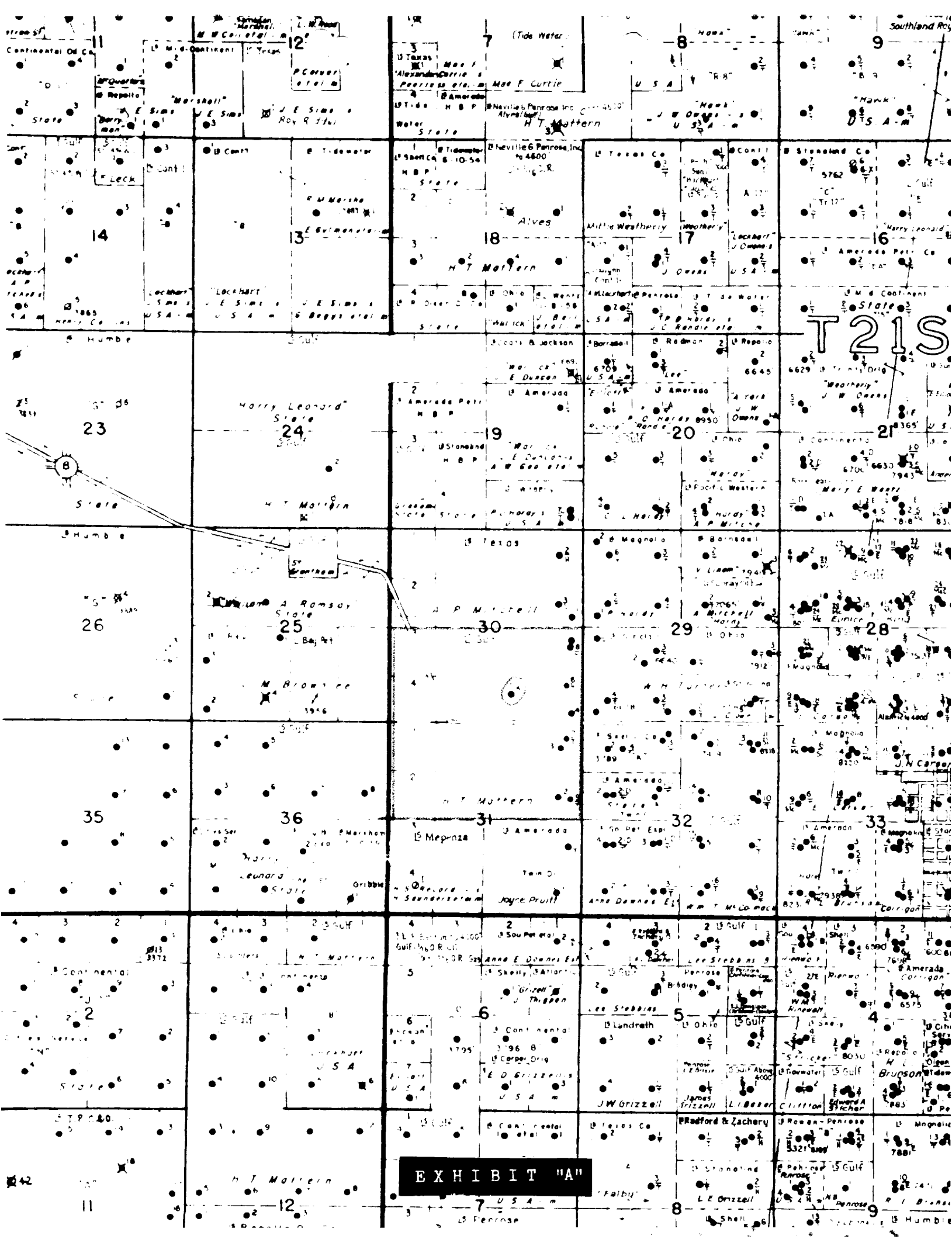


EXHIBIT "A"

EXHIBIT "B"

SCHEMATIC DIAGRAM OF PROPOSED DUAL COMPLETION
GULF OIL CORPORATION - H. T. MATTERN B NO. 5



9-5/8" csg at 2911'

3409'

Gas zone to be perforated is Queen

3618'

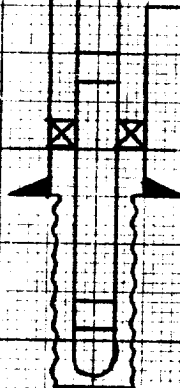
Circulating Valve

Packer at 3660'

5 1/2" csg at 3673'

Oil zone is Grayburg

Circulating Valve



CRK:ptg
11-25-55