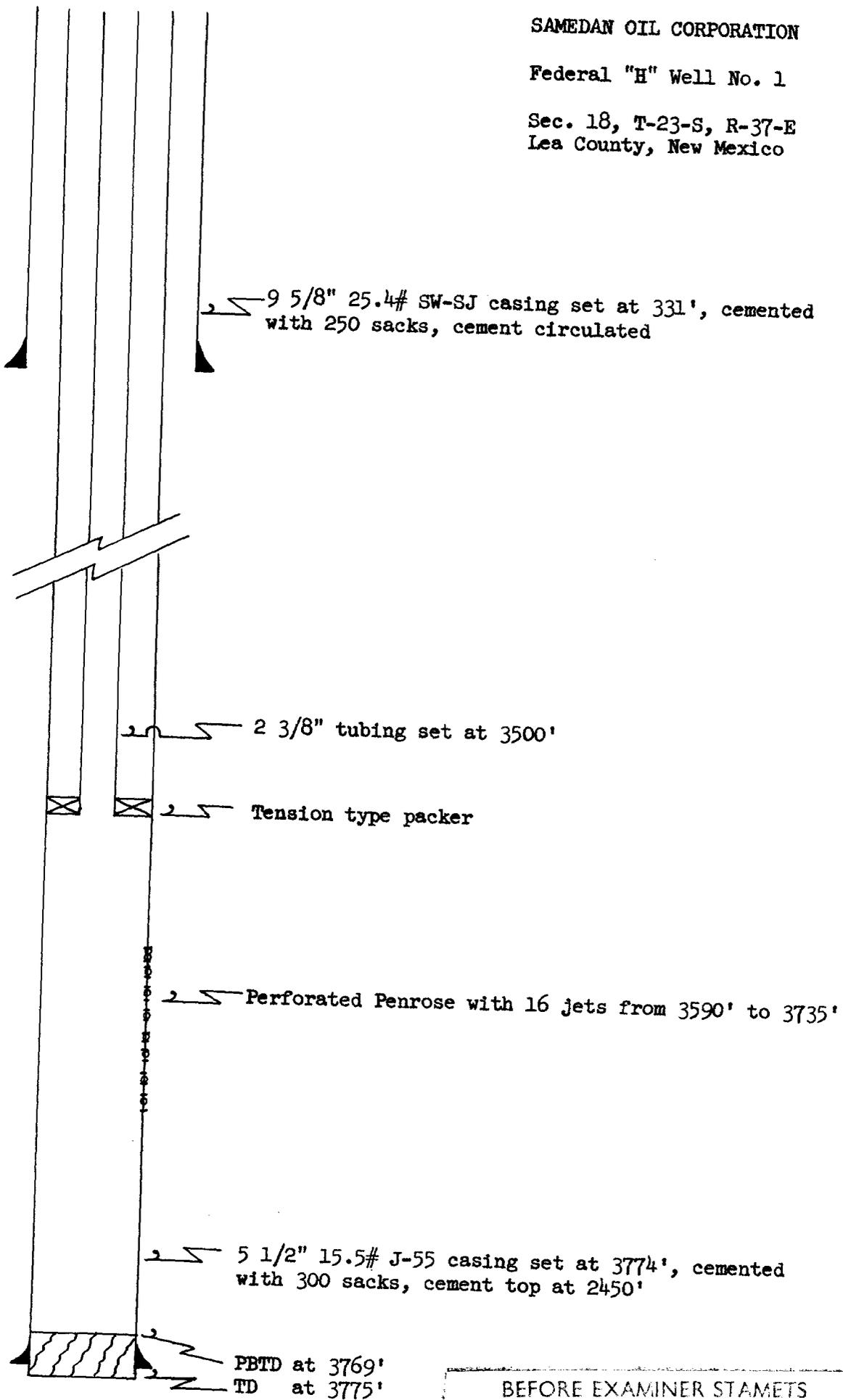


SAMEDAN OIL CORPORATION

Federal "H" Well No. 1

Sec. 18, T-23-S, R-37-E  
Lea County, New Mexico



BEFORE EXAMINER STAMETS  
OIL CONSERVATION COMMISSION

Samedan EXHIBIT NO. 6

CASE NO. 4871-4872

Submitted by William S. McCue

Hearing Date 11-29-72

SAMEDAN OIL CORPORATION

Hughes "B-4" Well No. 11

Sec. 17, T-23-S, R-37-E  
Lea County, New Mexico

8 5/8" 24# J-55 casing set at 387', cemented with 230 sacks, cement circulated

DV Tool at 1160', cemented with 100 sacks

BEFORE EXAMINER STAMETS  
OIL CONSERVATION COMMISSION  
*Samedan* EXHIBIT NO. 7  
CASE NO. 4871-4872  
Submitted by William S. Mc Cue  
Hearing Date 11-29-72

2 3/8" Tubing set at 3450'

Tension type packer

Perforated Penrose with 14 jets from 3556' to 3671'

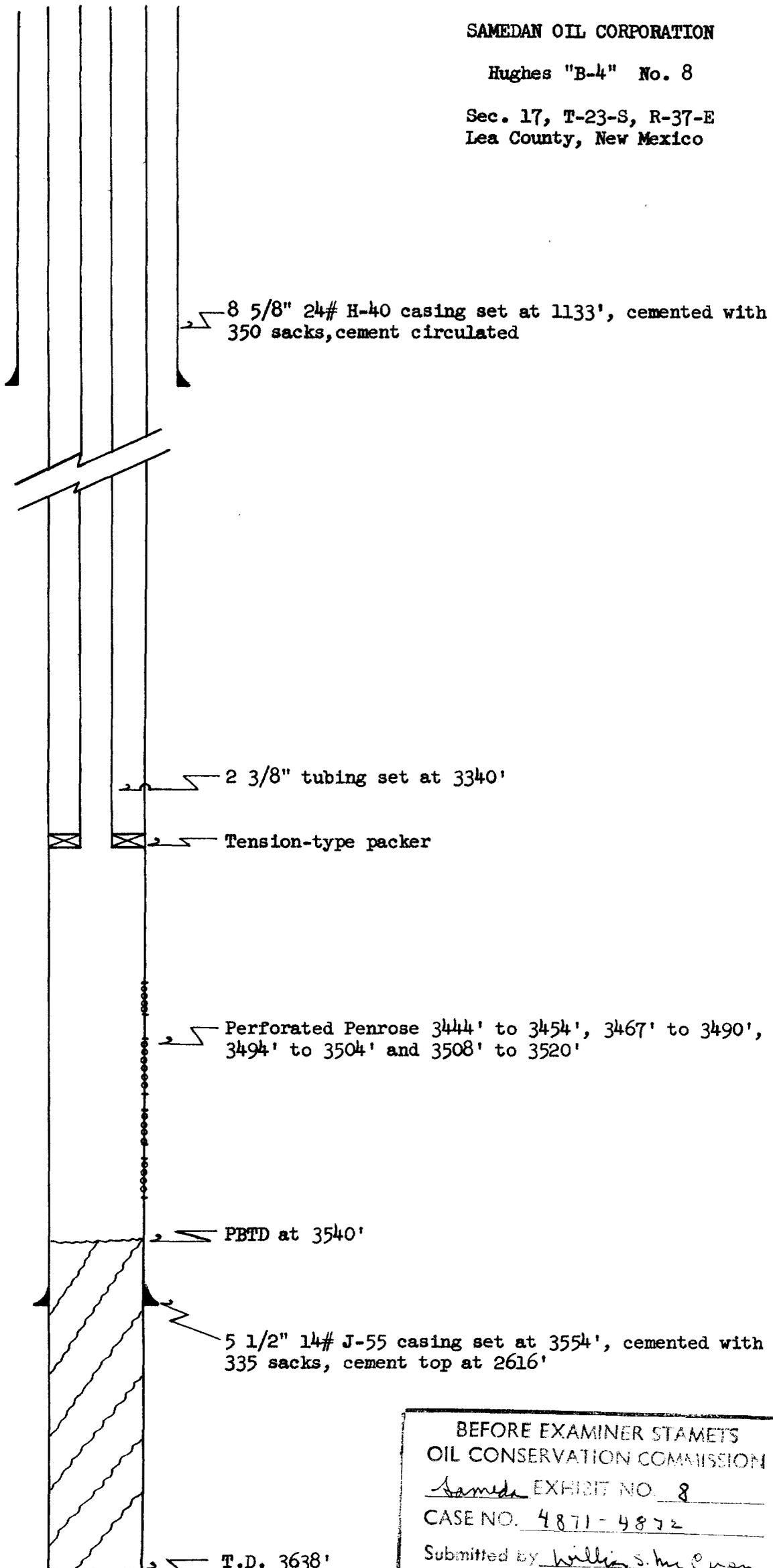
4 1/2" 9.5# J-55 casing set at 3680', cemented with 300 sacks, cement top at 2510'

PBTD 3680'  
TD 3685'

SAMEDAN OIL CORPORATION

Hughes "B-4" No. 8

Sec. 17, T-23-S, R-37-E  
Lea County, New Mexico



8 5/8" 24# H-40 casing set at 1133', cemented with 350 sacks, cement circulated

2 3/8" tubing set at 3340'

Tension-type packer

Perforated Penrose 3444' to 3454', 3467' to 3490', 3494' to 3504' and 3508' to 3520'

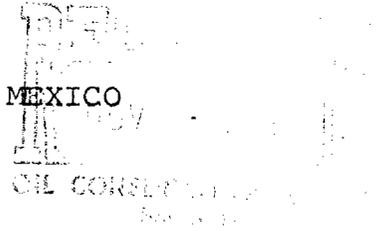
PBT at 3540'

5 1/2" 14# J-55 casing set at 3554', cemented with 335 sacks, cement top at 2616'

T.D. 3638'

BEFORE EXAMINER STAMETS  
OIL CONSERVATION COMMISSION  
Samedan EXHIBIT NO. 8  
CASE NO. 4871-4872  
Submitted by William S. McEwen  
Hearing Date 11-29-72

BEFORE THE  
OIL CONSERVATION COMMISSION OF NEW MEXICO



IN THE MATTER OF THE APPLICATION  
OF SAMEDAN OIL CORPORATION FOR  
APPROVAL OF A UNIT AGREEMENT AND  
WATERFLOOD PROJECT, LEA COUNTY,  
NEW MEXICO

*Case 4872*

A P P L I C A T I O N

COMES now Samedan Oil Corporation and applies to the Oil Conservation Commission of New Mexico for approval of a unit agreement and a waterflood project in the Langlie-Mattix Pool, Lea County, New Mexico, and in support thereof would show the Commission:

1. Applicant has formed its Langlie-Mattix "B-4" Penrose (Queen) Unit, composed of Federal acreage consisting of the following lands:

Township 23 South, Range 37 East, N.M.P.M.

*240 ac*

Section 17 - NW/4  
Section 18 - E/2 NE/4

*70 c.*

2. Applicant is the owner of the entire working interest in said unit, and is designated as operator thereof. The Unit agreement has received approval of the United States Geological Survey, Department of the Interior.

3. Applicant proposes to institute a waterflood project in the unit, with injection wells to be located in Unit H of Section 18, and in Unit F and Unit D of Section 17.

4. Source of water to be injected in the Skelly water system.

5. The proposed waterflood project will be in cooperation with waterflood projects operated by Skelly Oil Company to the North and South of the unit area.

6. It may be necessary to convert additional wells to injection, and an administrative procedure should be adopted.

DOCKET MARKED

Date *11-17-72*

for conversion of wells to injection without notice and hearing.

WHEREFORE applicant prays that this application be set for hearing before the Commission or the Commission's duly appointed examiner, and that after notice and hearing as required by law the Commission approve the Langlie-Mattix "B-4" Penrose (Queen) Unit agreement, and approve a waterflood project for said unit area, together with an administrative procedure for the approval of additional injection wells at orthodox or unorthodox well locations without notice and hearing.

Respectfully submitted,

SAMEDAN OIL CORPORATION

BY Jason W. Kellahin  
KELLAHIN & FOX  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Attorneys for Applicant

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Samedan Oil Corporation, is hereby authorized to institute a waterflood project in the Langlie-Mattix "B-4" <sup>Penrose (Queen)</sup> Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen formation through the following-described wells in Township 23 ~~North~~, South, Range 37 ~~West~~, East, NMPM, Lea County, New Mexico:

| <u>Well Name</u> | <u>Well No</u> | <u>Unit</u> | <u>Section</u> |
|------------------|----------------|-------------|----------------|
| Hughes "B-4"     | 8              | F           | 17             |
| Hughes "B-4"     | 11             | D           | 17             |
| Federal H        | 1              | H           | 18             |

(2) That injection shall be through internally coated tubing under a packer set within 110 feet of the upper most casing perforation and the casing-tubing annulus shall be loaded with an inhibited fluid and the annulus gauged or otherwise allowed to remain open at the surface in order to detect any leakage of the casing, tubing, or packer

(3) That the subject waterflood project is hereby designated Samedan Langlie-Mattix "B-4" Penrose (Queen) Unit the Waterflood Project and shall

be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

DRAFT

dr/

*(Handwritten initials)*

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 4872

Order No. R- 4452

APPLICATION OF SAMEDAN OIL CORPORATION  
FOR A WATERFLOOD PROJECT, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on Nov. 29, 1972,  
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this \_\_\_\_\_ day of December, 1972, the Commission, a  
quorum being present, having considered the testimony, the record,  
and the recommendations of the Examiner, and being fully advised  
in the premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the subject  
matter thereof.

(2) That the applicant, Samedan Oil Corporation,  
seeks authority to institute a waterflood project in the Langlie-  
Mattix "B-4" <sup>Panrose (Queen)</sup> Unit Area, Langlie-Mattix Pool,  
by the injection of water into the Queen formation  
through two three injection wells in Sections 5 17 and 18,  
Township 23 ~~North~~, South, Range 37 ~~West~~, East,  
NMPM, Lea County, New Mexico.

(3) That the wells in the project area are in an advanced  
state of depletion and should properly be classified as "stripper"

wells. *(4) That the production from one new well in the project*

*area is marginal and rapidly declining to "stripper" status.*

(5) That the proposed waterflood project should result in  
the recovery of otherwise unrecoverable oil, thereby preventing

waste.