

BEFORE THE OIL CONSERVATION COMMISSION
OF THE
STATE OF NEW MEXICO

APPLICATION FOR APPROVAL OF DUAL COMPLETION
IN THE BRUNSON-HARE FIELDS OR, IN THE ALTER-
NATIVE, APPROVAL OF TRANSFER OF ALLOWABLE TO
WELLS ON THE SAME LEASE

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Comes now Tide Water Associated Oil Company, a Delaware corporation, with district office located at Hobbs, New Mexico, and hereby makes application for permission to dually complete its State "S" No. 4 well located in the NE/4 NW/4 Section 15, T-21-S, R-37-E.

(1) That the applicant is the owner of that certain oil and gas lease from the State of New Mexico bearing No. B-9188, embracing all of the N/2 N/2 of Section 15, and the SE/4 SE/4 Section 10, 21-S, 37-E. Said lease provides for 1/8th royalty payable to the State of New Mexico; all of the remainder of oil and gas produced is retained by the applicant.

(2) That applicant, on November 22, 1950, did complete State "S" well No. 3 at a location in the center of NW/4 of NE/4 of Section 15, which well flowing through perforations opposite the Ellenberger formation from 7550 to 7612 feet produced on initial potential test 162 barrels of 42 gravity oil in 12 hours on 5/16" choke with gas-oil ratio 740:1 and tubing pressure 1050 p.s.i.

(3) That on January 19, 1951, applicant completed its State "S" well No. 4 at a location 100 feet east of center of the NE/4 of NW/4 Section 15, which well flowing through perforations opposite the Ellenberger formation from 7800 to 7825 feet produced 96.37 barrels of 42 gravity oil in 4 hours on 1/4" choke, with gas-oil ratio 1131:1, tubing pressure 580 p.s.i.

(4) That State "S" well No. 4 penetrated the McKee sand in the Simpson zone, which sand had an overall thickness of approximately 150 feet. That a one hour drill stem test was made in the McKee sand from 7422 to 7434, during which time the well produced 50 barrels of 53.5 gravity oil, with flowing pressure ranging from 470 to 970 p.s.i.

(5) Applicant further alleges that in drilling these wells, approximately 125 tons of steel is required to properly case and equip each well. Steel is now in scarce supply and critically needed in our Country's defense preparations. The dual completion requested will assist materially in conserving this important commodity.

(6) That it has been frequently demonstrated that mechanical packers and other devices are available to effectively separate two productive zones in one well bore, in such manner that one zone is produced through the tubing and the other zone is produced through the annulus between the tubing and casing.

(7) That in the event the Commission is not disposed to grant authority to dually complete State "S" No. 4 as requested, then permission is hereby requested to transfer the allowable now assigned to State "S" No. 4, in so far as the Ellenberger production is concerned, to State "S" No. 3 which is now producing from the Ellenberger.

(8) That it has been proven that under certain conditions and circumstances, it is in the interest of conservation to transfer the allowable production from one well to another on the same lease, and applicant respectfully submits the proposition that having established the fact that State "S" No. 4 is productive in the Ellenberger formation and that the NE/4 of the NW/4 is entitled to a proportionate share in allowable production of the Brunson Field, that it would be in the interest of the conservation of steel to transfer such allowable to and permit same to be produced by State "S" Well No. 3. That in so doing, it would enable applicant to recomplete and make readily available the additional amount of oil which would accrue to a McKee sand completion.

(9) Applicant believes and so represents to the Commission that either of the two means suggested to alleviate the further immediate need of steel would be equitable and fair in all respects, and will not in any manner disturb correlative rights or cause reservoir waste.

(10) Your applicant respectfully suggests to the Commission that it take into consideration the state of emergency which now exists in our Government and the urgent demand now being made for the establishment of additional and immediate producible reserves of oil, with the minimum use of steel. To that end it is requested that this application be given favorable consideration.

The following offset operators to applicant's lease have been furnished copies of this application:

Humble Oil & Refining Company, Houston, Texas
Continental Oil Company, Houston, Texas
E. R. Moran, Tulsa, Oklahoma
Shell Oil Company, Midland, Texas
Cities Service Oil Company, Bartlesville, Okla.
Gulf Refining Company, Fort Worth, Texas

Respectfully submitted,

TIDE WATER ASSOCIATED OIL COMPANY

By 

TIDE WATER ASSOCIATED OIL COMPANY

MID-CONTINENT DIVISION
MELLIE ESPERSON BLDG. POST OFFICE BOX 1404
HOUSTON 1, TEXAS

January 31, 1951

Graham - machine, hearing
Enc 260

Mr. R. R. Spurrier, Secretary and Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Dear Mr. Spurrier:

Please find enclosed duplicate copies of Tide Water Associated Oil Company's application for permission to dually complete its State "S" No. 4 well located in the NE/4 NW/4 Section 15, T-21-S, R-37-E, so as to produce from the Ellenberger in the Brunson Field through the tubing and from the McKee sand, Hare Field, through the annulus between the tubing and casing. We also request that in the event the Commission is not disposed to grant us permission to dually complete the well that we be authorized to transfer the Brunson allowable in well No. 4 to State "S" well No. 3, which is completed in the same pay.

It would be appreciated if you would set this matter for hearing at your earliest convenience.

Yours very truly,

TIDE WATER ASSOCIATED OIL COMPANY

By: 

J. B. Holloway

JBH/pb
Enc.

IT
1850
Hare

Case 260
261

COUNTY

Hare

BASE AND MERIDIAN

RANGE 37E

RANGE

TWP. 21S

TWP.

