Original hearing

Case 302

947

J. T. PADDLEFORD
801 CRAVENS BUILDING
OKLAHOMA CITY 2, OKLAHOMA

GEOLOGICAL ENGINEER

OFFICE 79-1551
RES. 79-2103

July 17, 1951.

New Mexico Oil Conservation Commission
Santa Fe , New Mexico.
Attention: Mr. Spurrier

Re: Las Cruces 032326B (Nw ¼ Sec. 8-24S-37E)
Howard Hogan Etal #1 Jack
C SwNw 8-24S-37E
Lea County, New Mexico.

Gentlemen:

It is the desire of Mr. Howard Hogan etal, owners of the #1 Jack, located CSwNw 8-24S-37E, Lea County New Mexico to dually complete this well from the Queen and the Yates gas sand.

The well is now producing from the Queen section (3482-3600). The owners wish to produce the Yates gas section (2864-2988) together with the Queen oil horizon.

The Yates gas will be produced in the annulus between the casing and tubing.

The owners ask that a hearing be scheduled in Santa Fe so that their problem may be presented and discussed.

The shortage of tubular goods influence the owners to a great extent in asking the commission for a granting of this application. This dual completion of the Yates will be the only dry gas well the owners will complete on the quarter section they own.

Yours very truly,

J.T. Paddleford
Geological Engineer
Agent

OIL CONSERVATION COMMISSION
NEW MEXICO
RECEIVED
JUL 19 1951

Check with
R.R.S.

Copy of Order R-121
sent to Paddleford (for Hogan)
12-19-57

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The following information pertinent to this well is herewith presented together with an outline of procedure that will be followed should the Commission see fit to grant the owner permission to perform this work.

----- Well Data ------

Well commenced drilling	11/2/50
Well completed drilling	11/20/50
On Production	1/10/51

Casing:
10 3/4" 40# at 323 ft. cemented with 200 Sks. circulated to surface
5 1/2" 15.5 # at 3460 ft. cemented Two Stage 150 Sks @ 1300 ft. 150 sks @ [illegible] 3460 ft.

Formation Data:

Salt 1300-2500	Cement at (6.76 x 150 Sks equals 1014 ft. fillup)
Brown Lime 2700	1300 ft. minus 1014 ft equals 286 ft.
Yates Sand 2864-2988	3460 ft. minus 1014 ft equals 2346 ft.
Queen 3477-3600 T.D.	

Completion and Production:
Well was shot with 200 Qts. Nitro 3477-3590.
Well was cleaned out with Cable Tools 3460-3600 T.D.
Well was swabbed in and put on production. The well was completed for 40 Bbls. Oil per day flow with 1070 M.C.F. Bottom Hole Pressure was 440#s. Gravity 36.
The well at this writing is averaging 17 B.O.P.D. flow thru intermitter.

(Case 502

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------ Dual Completion Procedure -----

Problem: To dually complete #1 Jack from Yates Gas Sand and Queen Oil Zone.
Yates Gas Sand 2864 ft. to 2988 ft. (Dry Gas)
Queen Oil Pay 3482 ft. to 3570 ft. (Oil and Wet Gas)

Data: Yates Gas Pay Bottom Hole Pressure 1150# to 1300#
Queen Oil Pay Bottom Hole Pressure 440# (Note: This zone is dolomite and sand with thin streaks of Bentonite. Salt water or oil only should be allowd to contact. 10# Salt water will hold Yates gas after perforating.)

1. Pull tubing after killing present production with oil.
2. Go back in hole and set Baker Model "D" production packer below Yates gas section. Have backoff joint and tubing blind below Yates section.
3. Backoff tubing at backoff joint after packer is set. (A tubing disc will be placed in joint below backoff joint -- To eliminate water contamination in Queen oil section.)
4. Load hole with 10# salt water above packer.
5. Perforate Yates sand section while hole is loaded three holes per foot 2864-2988.
6. Go back in hole with tubing and engage backoff joint. Pull tubing high enough thru packer so that perforations of tubing are above packer. Knock disc out of tubing and swab load water from Yates zone. When Yates section has unloaded and is clean, lower tubing perforations below packer and produce Yates thru annulus and Queen thru tubing.

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------- Dual Completion Procedure Continued -------

7. Hook well up and Test.

The above procedure has been thoroly analyzed and it is believed that no cummunication will result between the Yates and Queen sections. Enclosed with this data is an electric log of the #1 Jack for your examination.

Respectfully submitted,

J.T. Paddleford
Geological Engineer
Agent