Fren Oil Company - Max Friess No. 21 - Federal

May 21, 1965. Test No. 4 . By; Arrow Testers, Inc.

Interval tested: 10,782 to 10,844'.
Formation tested: Atoka
Packer set: 2 Hrs. 39 Mins.
Tool open before ISI - 4 Mins. - ISI - 45 Mins.
Flow period: 1 Hrs. 00 Mins.
Final shut-in: 0 " 50 "
Bottom hole choke: 5/8" ; surface: 0-1 Adj. ; Temp. 98 ;
Surface Action: Opened tool with strong flow prior to ISI. with strong blow; Gas to surface in 27 Mins. with volume too small to measure and continued the same Thru-out test;
Recovery: 360 ft. of gas cut drilling fluid; 1180 ft. of salt water. CH. 2,200 PPM.
Remarks: Ch. On drilling fuilds -500 PPM
Pressures: A. - IHP - 5321 ; B. - FFP - 996 ;
B. - ISIP- 4494 ; E. - FSIP - 4494 ;
C. - IFP - 932 ; F. - FHP - 5321 .

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May 27, 1965. Test No. 5 . By: Foster Testers, Inc.

Interval tested: 11,100 to 11,319' .
Formation tested: Morrow
Packer set: 3 Hrs. 20 Mins.
Time tool open: 20 Minutes:
Initial shut-in: 1 " 30 "
Final shut-in: 1 " 30 "
Choke size - Top 1" Bottom: 5/8" ;
Surface Action: Strong gas in 3 Mins.; Mud in 7 Mins.; flowed well 20 minutes. 700# surface pressure on 1" choke; estimated 18,000,000 CFPD; pressure still climbing;
Recovery: 370' distillate; 180' oil and gas cut mud;
Remarks: 4 minutes pre flow; - 750' total drill collar length.
Pressures: A. - IHP.- 5502 ; D. - FFP - 3799 ;
B. - ISIP- 5060 ; E. - FSIP- 5037 ;
C. - IFP - 3601 ; F. - FHP - 5492 .

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June 9, 1965 . Test No. 6 . By; Johnston Testers, Inc.
Type test: M.F.E. (straddle)

Interval tested: 6954' to 7080' .
Formation tested: Abo
Packer set: 6948' - 7080';
Time Tool open: 1 Hrs. 01 Mins.
Initial shut-in: 2056# ;
Final shut-in: 1 Hrs. 01 mins. ; finished shut-in: 1 Hrs. 47 Mins.;
Choke size: Top 1" - Bottom 5/8" ; too small to measure;
Surface Action: Good blow; gas to surface in 8 mins.; loosing fluid in annulus slowly when tool opened ; blow decreased to a fair blow at end of test ;
Recovery: reversed out heavily gas and sulphur water cut mud; 6140'(61.11 bbls.) 90' of water cut mud; Well temp. 128 ;
Pressure data: A. - IHMUD - 3460 ; D. - FF - 2001 ;
B. - ISI - ---- ; E. - FSI - 2056 ;
C. - IF - 949 ; F. -FHMUD- 3463 .
C-1. - IF - 1071 ;

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June 13, 1965. TEST No. 7 By: Johnston Testers, Inc.

Interval tested: 12,275' to 12,299' .
Formation tested: Devonian
Packer set: 12,197' .