



15-009-24843

5-16s-11w

**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21083.D98

ORIGINAL

Page 1 of 3 Pages

Company Mai Oil Operations, Inc. Lease & Well No. Thill No. 3  
Elevation 1790 KB Formation Lansing/Kansas City "A" - "C" Effective Pay -- Ft. Ticket No. J1688  
Date 6-13-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas  
Test Approved By Allen Bangert Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,929 ft. to 2,985 ft. Total Depth 2,985 ft.  
Packer Depth 2,924 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 2,929 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 2,932 ft. Recorder Number 21083 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 2,982 ft. Recorder Number 11017 Cap. 3,900 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 30 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.  
Weight 8.9 Water Loss 8.8 cc. Drill Pipe Length 2,879 ft. I.D. 3 1/2 in.  
Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number Not Run Anchor Length 56 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 10 secs. Gas to surface in 5 mins. No blow back during shut-in.  
2nd Open: Strong blow. Gas to surface throughout. No blow back during shut-in. (SEE GAS VOLUME REPORT.)

Recovered 45 ft. of gassy mud = .360600 bbls. (Grind out: 15%-gas; 85%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks         

RECEIVED  
KANSAS CORPORATION COMMISSION  
JUL 25 2005  
CONSERVATION DIVISION  
WICHITA, KS

Time Set Packer(s) 2:55 A.M. Time Started Off Bottom 6:25 A.M. Maximum Temperature 99°  
Initial Hydrostatic Pressure ..... (A) 1426 P.S.I.  
Initial Flow Period ..... Minutes 45 (B) 60 P.S.I. to (C) 63 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 967 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 63 P.S.I. to (F) 64 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 964 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1389 P.S.I.

ORIGINAL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D99

Page 1 of 2 Pages

Company Mai Oil Operations, Inc. Lease & Well No. Thill No. 3

Elevation 1790 KB Formation Lansing/Kansas City "G" Effective Pay -- Ft. Ticket No. J1689

Date 6-13-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Allen Bangert Diamond Representative John C. Riedl

Formation/Test No. 2 Interval Tested from 3,029 ft. to 3,040 ft. Total Depth 3,040 ft.

Packer Depth 3,024 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,029 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Drill Pipe/Zone Set ft.

Top Recorder Depth (Inside) 3,032 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,037 ft. Recorder Number 11017 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss -- cc. Drill Pipe Length 2,979 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.

Anchor Make Bowen Serial Number Not Run Anchor Length 11 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Flow: 1st Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 30 secs. Gas to surface in 3 mins. Gauged 3,700 CF/D through-out.

Recovered 95 ft. of slightly mud cut gassy oil = 1.349000 bbls. (Grind out: 10%-mud; 20%-gas; 70%-oil) Gravity: 40 @ 60°

Recovered 30 ft. of water = .147600 bbls. (Chlorides: 35,000 Ppm)

Recovered 125 ft. of TOTAL FLUID = 1.496600 bbls.

Recovered ft. of

Recovered ft. of

Remarks Gas burned.

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 25 2005
CONSERVATION DIVISION
WICHITA, KS

Time Set Packer(s) 5:55 AM. P.M. Time Started Off Bottom 9:10 AM. P.M. Maximum Temperature 103°

Initial Hydrostatic Pressure (A) 1474 P.S.I.

Initial Flow Period Minutes 30 (B) 23 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period Minutes 60 (D) 589 P.S.I.

Initial Flow Period Minutes 45 (E) 35 P.S.I. to (F) 60 P.S.I.

Initial Closed In Period Minutes 60 (G) 534 P.S.I.

Initial Hydrostatic Pressure (H) 1432 P.S.I.



ORIGINAL

**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21083.D100

Company Mai Oil Operations, Inc. Lease & Well No. Thill No. 3

Elevation 1790 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J1690

Date 6-14-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Allen Bangert Diamond Representative John C. Riedl

Formation/Test No. 3 Interval Tested from 3,210 ft. to 3,270 ft. Total Depth 3,270 ft.

Depth 3,205 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth 3,210 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Selective Zone Set ft.

Recorder Depth (Inside) 3,213 ft. Recorder Number 21083 Cap. 5,000 psi

Recorder Depth (Outside) 3,267 ft. Recorder Number 11017 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Fluid Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,160 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Log Make Bowen Serial Number Not Run Anchor Length 60 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak initial, 2 in., blow. Slowly decreasing. Dead in 25 mins.

2nd Open: Weak, 1 in., blow. Decreasing to surface blow in 20 mins. Then steady throughout.

Recovered 70 ft. of gassy oil = .994000 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 39 @ 60°

Recovered 110 ft. of gas & oil cut mud = 1.283600 bbls. (Grind out: 15%-gas; 30%-oil; 55%-mud)

Recovered 180 ft. of TOTAL FLUID = 2.277600 bbls.

Recovered ft. of ft.

Recovered ft. of ft.

Remarks

RECEIVED  
KANSAS CORPORATION COMMISSION  
JUL 25 2005  
CONSERVATION DIVISION  
WICHITA, KS

Time Set Packer(s) 5:30 ~~XXX~~ P.M. Time Started Off Bottom 8:15 ~~XXX~~ P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure ..... (A) 1587 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 44 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1029 P.S.I.

Final Flow Period ..... Minutes 45 (E) 65 P.S.I. to (F) 93 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1071 P.S.I.

Final Hydrostatic Pressure ..... (H) 1547 P.S.I.