

15-165-11W

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083. D117

SW SE NW
2400 FNL 1720 FNL
Page 1 of 2 Pages

Company Mai Oil Operations, Inc. Lease & Well No. Besthorn No. 1

Elevation 1895KB Formation Lansing/Kansas City "J" Effective Pay Ft. Ticket No. J1707

Date 7-24-05 Sec. 15 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Rod Tremblay Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,196 ft. to 3,246 ft. Total Depth 3,246 ft.

Packer Depth 3,191 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,196 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,199 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,243 ft. Recorder Number 11017 Cap. 4,000 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 50 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 3,146 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.

Jars: Make Bowen Serial Number Not Run Anchor Length 50 ft. Size 4 1/2 - RH 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 18 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 9 mins. 1 in. blow back during shut-in.

Recovered 600 ft. of gas in pipe

Recovered 35 ft. of free oil = .497000 bbls. (Gravity: 38 @ 60°)

Recovered 60 ft. of gassy muddy watery oil = .852000 bbls. (Grind out: 20%-gas; 20%-mud; 10%-water; 50%-oil)

Recovered 30 ft. of slightly oil cut muddy water = .147600 bbls. (Grind out: 2%-oil; 10%-mud; 88%-water)

Recovered 125 ft. of TOTAL FLUID = 1.425600 bbls. Chlorides: 35,000 Pp

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Time Set Packer(s) 10:30 ~~AM~~ P.M. Time Started Off Bottom 2:00 ~~AM~~ P.M. Maximum Temperature 109°

Initial Hydrostatic Pressure (A) 1575 P.S.I.

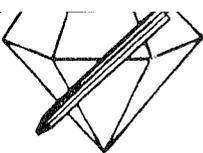
Initial Flow Period Minutes 45 (B) 22 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period Minutes 60 (D) 799 P.S.I.

Final Flow Period Minutes 45 (E) 46 P.S.I. to (F) 72 P.S.I.

Final Closed In Period Minutes 60 (G) 766 P.S.I.

Final Hydrostatic Pressure (H) 1534 P.S.I.



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STC 21083. D118

Company Mai Oil Operations, Inc. Lease & Well No. Besthorn No. 1

Elevation 1895KB Formation Arbuckle Effective Pay Ft. Ticket No. J1708

Date 7-25-05 Sec. 15 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Rod Tremblay Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,304 ft. to 3,360 ft. Total Depth 3,360 ft.

Packer Depth 3,299 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,304 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,307 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,357 ft. Recorder Number 11017 Cap. 4,000 psi

Flow 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 49 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,254 ft. I.D. 3 1/2 in.

Chlorides 9,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Tools: Make Bowen Serial Number Not Run Anchor Length 56 ft. Size 4 1/2 - FH in.

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 blow. Dead in 8 mins.
2nd Open: No blow.

Recovered 10 ft. of drilling mud = .049200 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

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Time Set Packer(s) 9:35 ^{XXM.} P.M. Time Started Off Bottom 11:35 ^{XXM.} P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1618 P.S.I.

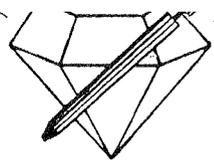
Initial Flow Period Minutes 30 (B) 21 P.S.I. to (C) 22 P.S.I.

Initial Closed In Period Minutes 30 (D) 40 P.S.I.

Final Flow Period Minutes 30 (E) 22 P.S.I. to (F) 22 P.S.I.

Final Closed In Period Minutes 30 (G) 33 P.S.I.

Final Hydrostatic Pressure (H) 1569 P.S.I.



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Company Mai Oil Operations, Inc. Lease & Well No. Besthorn No. 1
Elevation 1895KB Formation Arbuckle Effective Pay Ft. Ticket No. J1709
Date 7-26-05 Sec. 15 Twp. 16S Range 11W County Barton State Kansas
Approved By Rod Tremblay Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,301 ft. to 3,368 ft. Total Depth 3,368 ft.
Packer Depth 3,296 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,301 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,304 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,365 ft. Recorder Number 11017 Cap. 4,000 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 52 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,251 ft. I.D. 3 1/2 in.
Chlorides 5,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Bars: Make Bowen Serial Number Not Run Anchor Length 67 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.

1st Open: Strong blow. Off bottom of bucket in 12 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 17 mins. No blow back during shut-in.

Recovered 540 ft. of gas & water cut muddy oil = 7.389600 bbls. (Grind out: 10%-gas; 15%-water; 35%-mud; 40%-oil)
Chlorides: 11,000 Ppm

Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

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Time Set Packer(s) 10:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 111°
Initial Hydrostatic Pressure (A) 1626 P.S.I.
Initial Flow Period Minutes 45 (B) 36 P.S.I. to (C) 186 P.S.I.
Initial Closed In Period Minutes 60 (D) 984 P.S.I.
Final Flow Period Minutes 45 (E) 188 P.S.I. to (F) 284 P.S.I.
Final Closed In Period Minutes 60 (G) 936 P.S.I.
Final Hydrostatic Pressure (H) 1594 P.S.I.