



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313  
 STC 21098.D56

**ORIGINAL**

15009247800000

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

Elevation 1873 KB Formation Plattsmouth Effective Pay      Ft. Ticket No. J1459

Date 1-19-04 Sec. 6 Twp. 16S Range 11W County Barton State Kansas

Test Approved By David M. Shumaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,856 ft. to 2,910 ft. Total Depth 2,910 ft.

Packer Depth 2,851 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 2,856 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 2,860 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 2,907 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length      ft. I.D.      in.

Weight 8.9 Water Loss 8.0 cc. Drill Pipe Length 2,716 ft. I.D. 3 1/2 in.

Chlorides 6,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.

Jars: Make Bowen Serial Number Not Run Anchor Length 54 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, 1/2 in., blow increasing to 1 in.

2nd Open: Weak, 1/2 in., blow.

Recovered 30 ft. of drilling mud = .147600 bbls.

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Remarks     

**RECEIVED**

**MAY 13 2004**

**KCC WICHITA**

Time Set Packer(s) 9:30 ~~AM~~ P.M. Time Started Off Bottom 12:30 ~~PM~~ A.M. Maximum Temperature 92°

Initial Hydrostatic Pressure      (A) 1385 P.S.I.

Initial Flow Period      Minutes 30 (B) 11 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period      Minutes 45 (D) 750 P.S.I.

Final Flow Period      Minutes 45 (E) 23 P.S.I. to (F) 37 P.S.I.

Final Closed In Period      Minutes 60 (G) 707 P.S.I.

Final Hydrostatic Pressure      (H) 1338 P.S.I.



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**ORIGINAL**

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

Elevation 1873 KB Formation Lansing/Kansas City "A-C" Effective Pay      Ft. Ticket No. J1460

Date 1-20-04 Sec. 6 Twp. 16S Range 11W County Barton State Kansas

Test Approved By David M. Shumaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,028 ft. to 3,080 ft. Total Depth 3,080 ft.

Packer Depth 3,023 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 3,028 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

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

Bottom Recorder Depth (Outside) 3,077 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 120 ft. I.D. 2 1/4 in.

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

Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 2,888 ft. I.D. 3 1/2 in.

Chlorides 7,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 52 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 1 min. Gas to surface in 5 mins.

2nd Open: Strong blow. Gas to surface throughout. (SEE GAS VOLUME REPORT)

Recovered 40 ft. of very slightly oil cut gassy mud = .568000 bbls. (Grind out: 1%-oil; 10%-gas; 89%-mud)

Recovered 180 ft. of slightly oil cut gassy watery mud = 1.442400 bbls. (Grind out: 4%-oil; 15%-gas; 25%-water; 56%-mud)

Chlorides: 65,000 Ppm

Recovered      ft. of     

Recovered      ft. of     

Recovered 220 ft. of TOTAL FLUID = 2.010400 bbls.

Remarks     

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**MAY 13 2004**

**KCC WICHITA**

Time Set Packer(s) 2:00 ~~XXX~~ P.M. Time Started Off Bottom 5:45 ~~XXX~~ P.M. Maximum Temperature 101°

Initial Hydrostatic Pressure (A) 1480 P.S.I.

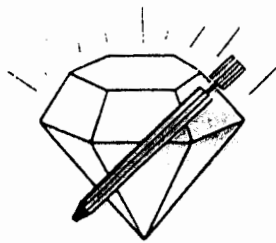
Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period Minutes 45 (D) 724 P.S.I.

Final Flow Period Minutes 60 (E) 62 P.S.I. to (F) 81 P.S.I.

Final Closed In Period Minutes 90 (G) 745 P.S.I.

Final Hydrostatic Pressure (H) 1463 P.S.I.



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Company Mai Oil Operations, Inc. Lease & Well No. Woydziak Unit No. 1
Elevation 1873 KB Formation Lansing/Kansas City "F-G" Effective Pay -- Ft. Ticket No. J1461
Date 1-21-04 Sec. 6 Twp. 16S Range 11W County Barton State Kansas
Approved By Kurt R. Mai Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,095 ft. to 3,128 ft. Total Depth 3,128 ft.
Packer Depth 3,090 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,095 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,099 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,125 ft. Recorder Number 13556 Cap. 5,475 psi
Flow Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 2,955 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.
Bars: Make Bowen Serial Number Not Run Anchor Length 33 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size -- 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 2 mins. Fair blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 1 min. Weak blow back during shut-in.

Recovered 2,000 ft. of gas in pipe.
Recovered 30 ft. of very slightly oil cut gassy mud = .426000 bbls. (Grind out: 1%-oil; 10%-gas; 89%-mud)
Recovered 150 ft. of gas & water cut muddy oil = 1.294800 bbls. (Grind out: 20%-gas; 15%-water; 25%-mud) 40% oil
Recovered 30 ft. of gassy muddy water = .147600 bbls. (Grind out: 10%-gas; 40%-mud; 50%-water) Chlorides: 55,000 Ppm
Recovered 210 ft. of TOTAL FLUID = 1.868400 bbls.

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MAY 13 2004

KCC WICHITA

Time Set Packer(s) 5:00 A.M. XXX Time Started Off Bottom 8:45 A.M. XXX Maximum Temperature 101°
Initial Hydrostatic Pressure (A) 1525 P.S.I.
Initial Flow Period Minutes 30 (B) 23 P.S.I. to (C) 62 P.S.I.
Initial Closed In Period Minutes 60 (D) 579 P.S.I.
Final Flow Period Minutes 45 (E) 55 P.S.I. to (F) 85 P.S.I.
Final Closed In Period Minutes 90 (G) 590 P.S.I.
Final Hydrostatic Pressure (H) 1482 P.S.I.



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Company Mai Oil Operations, Inc. Lease & Well No. Woydziak Unit No. 1  
 Elevation 1873 KB Formation Lansing/Kansas City "H-J" Effective Pay -- Ft. Ticket No. J1462  
 Date 1-21-04 Sec. 6 Twp. 16S Range 11W County Barton State Kansas  
 Test Approved By Kurt R. Mai Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,170 ft. to 3,230 ft. Total Depth 3,230 ft.  
 Packer Depth 3,165 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3,170 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,174 ft. Recorder Number Elec. Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 3,227 ft. Recorder Number 13556 Cap. 5,475 psi  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 47 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.1 Water Loss 8.8 cc. Drill Pipe Length 3,030 ft. I.D. 3 1/2 in.  
 Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - JF in.  
 Jars: 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: Strong blow. Built to 10 ins. by end. No blow back during shut-in.  
 2nd Open: Strong blow. 12 ins. off bottom of bucket in 35 mins. Weak blow back during shut-in.

Recovered 500 ft. of gas in pipe  
 Recovered 40 ft. of slightly oil cut gassy mud = .568000 bbls. (Grind out: 5%-oil; 10%-gas; 85%-mud)  
 Recovered 120 ft. of heavy oil & gas cut mud = .590400 bbls. (Grind out: 25%-oil; 25%-gas; 50%-mud)  
 Recovered 160 ft. of TOTAL FLUID = 1.158400 bbls.

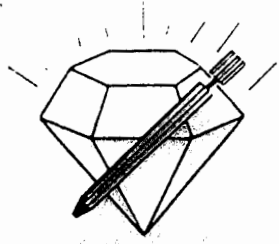
Recovered -- ft. of --  
 Remarks --

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MAY 13 2004

KCC WICHITA

Time Set Packer(s) 9:00 ~~XXX~~ P.M. Time Started Off Bottom 1:00 ~~XXX~~ A.M. Maximum Temperature 99°  
 Initial Hydrostatic Pressure ..... (A) 1564 P.S.I.  
 Initial Flow Period ..... Minutes 45 (B) 15 P.S.I. to (C) 65 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 719 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 55 P.S.I. to (F) 76 P.S.I.  
 Final Closed In Period ..... Minutes 90 (G) 740 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 5132 P.S.I.



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 1500924780000

Company Mai Oil Operations, Inc. Lease & Well No. Woydziak Unit No. 1  
 Location 1873 KB Formation Arbuckle Effective Pay      -- Ft. Ticket No. J1463  
 Date 1-22-04 Sec. 6 Twp. 16S Range 11W County Barton State Kansas  
 Test Approved By Allen Bangert Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,295 ft. to 3,336 ft. Total Depth 3,336 ft.  
 Packer Depth 3,290 ft. Size 6 3/4 in. Packer Depth      -- ft. Size      -- in.  
 Packer Depth 3,295 ft. Size 6 3/4 in. Packer Depth      -- ft. Size      -- in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,299 ft. Recorder Number Elec. Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 3,333 ft. Recorder Number 13556 Cap. 5,475 psi  
 Slow Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Murfin Drilling Co., Inc. - Rig 16 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 46 Weight Pipe Length      -- ft. I.D.      -- in.  
 Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 3,155 ft. I.D. 3 1/2 in.  
 Chlorides 7,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
 Bars: Make Bowen Serial Number Not Run Anchor Length 41 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: Weak blow slowly building to 1 1/2 ins.  
2nd Open: Weak blow building throughout to 1 3/4 ins. at end. No blow back during shut-in.

Recovered 5 ft. of free oil = .071000 bbls. Gravity: 40.5 @ 60°  
 Recovered 60 ft. of muddy oil = .295200 bbls. (Grind out: 40%-mud; 60%-oil)  
 Recovered 60 ft. of oil & gas cut mud = .295200 bbls. (Grind out: 30%-oil; 10%-gas; 60%-mud)  
 Recovered 125 ft. of TOTAL FLUID = .661400 bbls.

RECEIVED

MAY 13 2004

KCC WICHITA

Recovered      ft. of       
 Remarks     

Time Set Packer(s) 2:15 <sup>XXX</sup> P.M. Time Started Off Bottom 6:00 <sup>XXX</sup> P.M. Maximum Temperature 98°  
 Initial Hydrostatic Pressure (A) 1644 P.S.I.  
 Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 31 P.S.I.  
 Initial Closed In Period Minutes 45 (D) 1065 P.S.I.  
 Final Flow Period Minutes 60 (E) 34 P.S.I. to (F) 61 P.S.I.  
 Final Closed In Period Minutes 90 (G) 1049 P.S.I.  
 Final Hydrostatic Pressure (H) 1600 P.S.I.