



API. 15.009.24769.0000

ORIGINAL

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

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

Elevation 1795 KB Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J1412

Date 10-3-03 Sec. 6 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Todd E. Morgenstern Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,937 ft. to 2,990 ft. Total Depth 2,990 ft.

Packer Depth 2,932 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,937 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,940 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 2,987 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 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 42 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 2,797 ft. I.D. 3 1/2 in.

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

Jars: Make Bowen Serial Number Not Run Anchor Length 53 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 15 secs. Gas to surface in 3 mins. No blow back during shut-in. (SEE GAS VOLUME REPORT)

2nd Open: Gas to surface throughout. Stabilized at 900,000 CF/D. Weak blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 150 ft. of gas cut drilling mud = 1.013400 bbls. (Grind out: 15%-gas; 85%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 11:34 P.M. Time Started Off Bottom 3:19 P.M. Maximum Temperature 96°

Initial Hydrostatic Pressure (A) 1407 P.S.I.

Initial Flow Period Minutes 30 (B) 184 P.S.I. to (C) 165 P.S.I.

Initial Closed In Period Minutes 60 (D) 911 P.S.I.

Final Flow Period Minutes 45 (E) 156 P.S.I. to (F) 173 P.S.I.

Final Closed In Period Minutes 90 (G) 901 P.S.I.

Final Hydrostatic Pressure (H) 1376 P.S.I.





API 15-009-24765-0000

# DIAMOND TESTING

# ORIGINAL

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

Company Mai Oil Operations, Inc. Lease & Well No. Kaiser No. 1  
 Elevation 1795 KB Formation Lansing/Kansas City ("F"- "G" Zones) Effective Pay -- Ft. Ticket No. J1413  
 Date 10-4-03 Sec. 6 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 3,023 ft. to 3,042 ft. Total Depth 3,042 ft.  
 Packer Depth 3,018 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3,023 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,026 ft. Recorder Number          Elec.          Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 3,039 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 120 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 43 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 2,883 ft. I.D. 3 1/2 in.  
 Chlorides 4,500 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number Not Run Anchor Length 19 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 30 secs. Gas to surface in 23 mins. (SEE GAS VOLUME REPORT)  
 2nd Open: Strong blow. Gas to surface throughout. (SEE GAS VOLUME REPORT)

Recovered 140 ft. of mud & water cut gassy oil = 1.988000 bbls. (Grind out: 30%-mud; 15%-water; 20%-gas; 35%-oil)  
 Recovered 60 ft. of very slightly muddy & water cut gassy oil = .852000 bbls. (Grind out: 5%-mud; 15%-water; 20%-gas; 60%-oil)  
 Recovered 180 ft. of very slightly oil cut gassy water = 1.442400 bbls. (Grind out: 2%-oil; 10%-gas; 88%-water) Chlorides: 70,000 P.  
 Recovered 380 ft. of TOTAL FLUID = 4.282400 bbls.  
 Recovered          ft. of         

Remarks         

Time Set Packer(s) 2:00 <sup>XXM.</sup> P.M. Time Started Off Bottom 5:45 <sup>XXM.</sup> P.M. Maximum Temperature 106°  
 Initial Hydrostatic Pressure ..... (A) 1463 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 39 P.S.I. to (C) 87 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 665 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 90 P.S.I. to (F) 149 P.S.I.  
 Final Closed In Period ..... Minutes 90 (G) 665 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1437 P.S.I.



API. 15-009-24765-0000  
DIAMOND TESTING

ORIGINAL

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

Page 3 of 3 Pages

GAS VOLUME REPORT

Company: Oil Operations, Inc. Lease & Well No. Kaiser No. 1  
Date: 10-03-03 Sec. 6 Twp. 16 S Rge. 11 W Location 520' FSL & 420' FEL, SEC County Barton State KS  
Drilling Contractor: Murfin Drilling Co., Inc. - Rig 16 Formation Lansing/Kansas City ("F"- "G" Zones) DST No. 2  
1st Open: Gas to surface in 23 mins. Gas sample taken. Gas burned.  
2nd Open: Gas to surface throughout.

INITIAL FLOW

FINAL FLOW

Open Tool: 2:00 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
2:25 p.m.	1/2 in.	27 in.	8,700
2:30 p.m.	1/2 in.	30 in.	9,200

Open Tool: 3:30 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
3:40 p.m.	3/8 in.	25 in.	17,700
3:50 p.m.	3/8 in.	22 in.	16,700
4:00 p.m.	3/8 in.	20 in.	15,900
4:10 p.m.	3/8 in.	22 in.	16,700
4:15 p.m.	3/8 in.	21 in.	16,300



API. 15-009-24765-0000 ORIGINAL

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

Page 1 of 2 Pages

Company Mai Oil Operations, Inc. Lease & Well No. Kaiser No. 1
Elevation 1795 KB Formation Lansing/Kansas City ("H"- "I" Zones) Effective Pay --Ft. Ticket No. J1414
Date 10-5-03 Sec. 6 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Todd E. Morgenstern Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,116 ft. to 3,143 ft. Total Depth 3,143 ft.
Packer Depth 3,111 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,116 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,119 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,140 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 120 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 8.8 cc. Drill Pipe Length 2,976 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 27 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 25 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 1 min. Weak blow back during shut-in.

Recovered 1,300 ft. of gas in pipe
Recovered 60 ft. of slightly mud cut gassy oil = .852000 bbls. (Grind out: 10%-mud; 25%-gas; 65%-oil)
Recovered 120 ft. of clean oil = .590400 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 36 @ 60°
Recovered 180 ft. of TOTAL FLUID = 1.442400 bbls.
Recovered ft. of

Remarks

Time Set Packer(s) 6:23 A.M. Time Started Off Bottom 10:23 A.M. Maximum Temperature 101°
Initial Hydrostatic Pressure (A) 1496 P.S.I.
Initial Flow Period Minutes 45 (B) 12 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period Minutes 60 (D) 910 P.S.I.
Final Flow Period Minutes 45 (E) 40 P.S.I. to (F) 70 P.S.I.
Final Closed In Period Minutes 90 (G) 899 P.S.I.
Final Hydrostatic Pressure (H) 1472 P.S.I.