



15-009-24827
DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D57

ORIGINAL

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Company Mai Oil Operations, Inc. Lease & Well No. Anschutz-Davidson Unit No. 1
Elevation 1803 KB Formation Plattsmouth Effective Pay -- Ft. Ticket No. J1647
Date 4-11-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Dave Shumaker Diamond Representative John C. Riedl
Formation Test No. 1 Interval Tested from 2,776 ft. to 2,820 ft. Total Depth 2,820 ft.
Packer Depth 2,771 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 2,776 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 2,779 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 2,817 ft. Recorder Number 11073 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 8.8 Water Loss 8.6 cc. Drill Pipe Length 2,636 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.
Jars: Make Rowen Serial Number Not Run Anchor Length 44 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 blow. Dead in 28 mins.
2nd Open: No blow.

Recovered 20 ft. of oil specked mud = .098400 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 8:00 XX P.M. Time Started Off Bottom 10:15 XX P.M. Maximum Temperature 96°
Initial Hydrostatic Pressure (A) 1324 P.S.I.
Initial Flow Period Minutes 30 (B) 23 P.S.I. to (C) 27 P.S.I.
Initial Closed In Period Minutes 45 (D) 497 P.S.I.
Final Flow Period Minutes 30 (E) 28 P.S.I. to (F) 33 P.S.I.
Final Closed In Period Minutes 30 (G) 118 P.S.I.
Final Hydrostatic Pressure (H) 1319 P.S.I.

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Company Mai Oil Operations, Inc. Lease & Well No. Anschutz-Davidson Unit No. 1
Elevation 1803 KB Formation Lansing/Kansas City "A" - "C" Effective Pay -- Ft. Ticket No. J1648
Date 4-12-05 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 2,938 ft. to 2,995 ft. Total Depth 2,995 ft.

Packer Depth 2,933 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,938 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 2,941 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 2,992 ft. Recorder Number 11073 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 50 Weight Pipe Length -- ft. I.D. -- in

Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 2,798 ft. I.D. 3 1/2 in

Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in

Jars: Make Bowen Serial Number Not Run Anchor Length 57 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 immediately. Gas to surface in 2 mins. No blow back during shut-in.

2nd Open: Strong blow. Gas to surface throughout. Weak blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 140 ft. of gas cut mud = 1.431200 bbls. (Grind out: 15%-gas; 85%-mud)

Recovered 60 ft. of slightly gas & oil cut mud = .295200 bbls. (Grind out: 10%-gas; 5%-oil; 85%-mud)

Recovered 200 ft. of TOTAL FLUID = 1.726400 bbls.

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 11:50 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 3:20 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 96°

Initial Hydrostatic Pressure (A) 1414 P.S.I.

Initial Flow Period Minutes 45 (B) 184 P.S.I. to (C) 181 P.S.I.

Initial Closed In Period Minutes 60 (D) 1016 P.S.I.

Final Flow Period Minutes 45 (E) 166 P.S.I. to (F) 226 P.S.I.

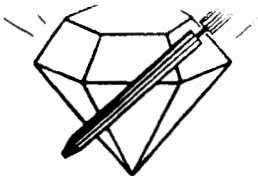
Final Closed In Period Minutes 60 (G) 1013 P.S.I.

Final Hydrostatic Pressure (H) 1398 P.S.I.

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Company Mai Oil Operations, Inc. Lease & Well No. Anschutz-Davidson Unit No. 1
Elevation 1803 KB Formation Lansing/Kansas City "G" Effective Pay -- Ft. Ticket No. J1649
Date 4-13-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Dave Shumaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,035 ft. to 3,047 ft. Total Depth 3,047 ft.

Packer Depth 3,030 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,035 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,038 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,044 ft. Recorder Number 11073 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 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 9.0 cc. Drill Pipe Length 2,895 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 12 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 7 mins. Weak blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 9 mins. Good blow back during shut-in.

Recovered 900 ft. of gas in pipe

Recovered 40 ft. of water cut gassy oil = .568000 bbls. (Grind out: 10%-water; 15%-gas; 75%-oil)

Recovered 180 ft. of gassy water = 1.442400 bbls. (Grind out: 10%-gas; 90%-water) Chlorides: 70,000 Ppm

Recovered 220 ft. of TOTAL FLUID = 2.010400 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 1:38 A.M. Time Started Off Bottom 5:08 A.M. Maximum Temperature 101°

Initial Hydrostatic Pressure (A) 1484 P.S.I.

Initial Flow Period Minutes 45 (B) 36 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period Minutes 60 (D) 652 P.S.I.

Final Flow Period Minutes 45 (E) 92 P.S.I. to (F) 123 P.S.I.

Final Closed In Period Minutes 60 (G) 648 P.S.I.

Final Hydrostatic Pressure (H) 1473 P.S.I.

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Company Mai Oil Operations, Inc. Lease & Well No. Anschutz-Davidson Unit No. 1
Elevation 1803 KB Formation Lansing/Kansas City "H" - "J" Effective Pay -- Ft. Ticket No. J1650
Date 4-13-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Dave Shumaker Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,086 ft. to 3,155 ft. Total Depth 3,155 ft.
Packer Depth 3,081 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,086 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,089 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,152 ft. Recorder Number 11073 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 51 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 8.4 cc. Drill Pipe Length 2,946 ft. I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 69 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 blow throughout.
2nd Open: Weak blow. Dead in 10 mins. Flushed tool.

Recovered 20 ft. of drilling mud = .098400 bbls.
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --
Remarks --

Time Set Packer(s) 6:12 ~~XXX~~ P.M. Time Started Off Bottom 8:57 ~~XXX~~ P.M. Maximum Temperature 97°
Initial Hydrostatic Pressure (A) 1512 P.S.I.
Initial Flow Period Minutes 45 (B) 24 P.S.I. to (C) 32 P.S.I.
Initial Closed In Period Minutes 60 (D) 172 P.S.I.
Final Flow Period Minutes 30 (E) 41 P.S.I. to (F) 44 P.S.I.
Final Closed In Period Minutes 30 (G) 75 P.S.I.
Final Hydrostatic Pressure (H) 1480 P.S.I.

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Company Mai Oil Operations, Inc. Lease & Well No. Anschutz-Davidson Unit No. 1
Elevation 1803 KB Formation Arbuckle Effective Pay 6 Ft. Ticket No. J1651
Date 4-14-05 Sec. 5 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Dave Shumaker Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,218 ft. to 3,275 ft. Total Depth 3,275 ft.

Packer Depth 3,213 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,218 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,221 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,272 ft. Recorder Number 11073 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 51 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 3,078 ft. I.D. 3 1/2 in.

Chlorides 5,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 57 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 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 13 mins. No blow back during shut-in.

Recovered 90 ft. of gas in pipe

Recovered 100 ft. of clean gassy oil = 1.420000 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 38 @ 60°

Recovered 500 ft. of mud cut gassy oil = 5.986400 bbls. (Grind out: 20%-gas; 25%-mud; 55%-oil)

Recovered 600 ft. of TOTAL FLUID = 7.406400 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 10:42 A.M. ~~P.M.~~ Time Started Off Bottom 1:42 ~~P.M.~~ ^{XXM.} Maximum Temperature 106°
Initial Hydrostatic Pressure (A) 1583 P.S.I.
Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 171 P.S.I.
Initial Closed In Period Minutes 60 (D) 989 P.S.I.
Final Flow Period Minutes 30 (E) 180 P.S.I. to (F) 249 P.S.I.
Final Closed In Period Minutes 60 (G) 958 P.S.I.
Final Hydrostatic Pressure (H) 1549 P.S.I.

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