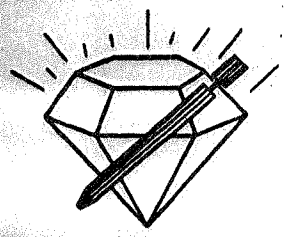
API 15-009-24870-00-00 9-16-11W



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D145

Company Mai Oil Operations, Inc. Lease & Well No. Hoffman Ranch No. 2-9

Elevation 1834KB Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J1735

Date 9-12-05 Sec. 9 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 2,983 ft. to 3,040 ft. Total Depth 3,040 ft.

Packer Depth 2,977 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,983 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- n.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,986 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,037 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 -- ft. I.D. -- in

Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in

Weight 8.8 Water Loss 8.8 cc. Drill Pipe Length 2,963 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 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: Weak blow. Dead in 5 mins.
2nd Open: No blow.

Recovered 8 ft. of drilling mud = .113600 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

RECEIVED
OCT 13 2005
KCC WICHITA

9-16-11W

Time Set Packer(s) 4:30 A.M. P.M. Time Started Off Bottom 6:30 A.M. P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure ..... (A) 1471 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 20 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 229 P.S.I.

Final Flow Period ..... Minutes 30 (E) 23 P.S.I. to (F) 23 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 86 P.S.I.

Final Hydrostatic Pressure ..... (H) 1430 P.S.I.

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D146

Company Mai Oil Operations, Inc. Lease & Well No. Hoffman Ranch No. 2-9

Elevation 1834KB Formation Lansing Effective Pay 5 Ft. Ticket No. J1736

Date 9-13-05 Sec. 9 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 3,124 ft. to 3,195 ft. Total Depth 3,195 ft.

Packer Depth 3,119 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,124 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- n.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,127 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,192 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 -- ft. I.D. -- in

Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in

Weight 9.0 Water Loss 9.1 cc. Drill Pipe Length 3,104 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 71 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 4 mins.
2nd Open: No blow.

Recovered 3 ft. of drilling mud = .042600 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

RECEIVED
OCT 13 2005
KCC WICHITA

Time Set Packer(s) 3:45 A.M. P.M. Time Started Off Bottom 5:45 A.M. P.M. Maximum Temperature 104°

Initial Hydrostatic Pressure ..... (A) 1556 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 20 P.S.I. to (C) 22 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 36 P.S.I.

Final Flow Period ..... Minutes 30 (E) 22 P.S.I. to (F) 23 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 29 P.S.I.

Final Hydrostatic Pressure ..... (H) 1510 P.S.I.

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D147

Company Mai Oil Operations, Inc. Lease & Well No. Hoffman Ranch No. 2-9

Elevation 1834KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J1737

Date 9-13-05 Sec. 9 Twp. 16S Range 11W County Barton State Kansas

Test Approved By Rod Tremblay Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,252 ft. to 3,310 ft. Total Depth 3,310 ft.

Packer Depth 3,247 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,252 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- n.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,255 ft. Recorder Number 21083 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,307 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 -- ft. I.D. -- in.

Mud Type Chemical Viscosity 60 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 9.6 cc. Drill Pipe Length 3,232 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 58 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. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 4 mins. Decreasing to 6 ins. by end. No blow back during shut-

Recovered 1,130 ft. of clean gassy oil = 16.046000 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 40 @ 60°

Recovered 250 ft. of mud & gas cut oil = 3.550000 bbls. (Grind out: 25%-mud; 25%-gas; 50%-oil)

Recovered 1,380 ft. of TOTAL FLUID = 19.596000 bbls.

Recovered ft. of

Recovered ft. of

Remarks

RECEIVED
OCT 13 2005
KCC WICHITA

Time Set Packer(s) 11:30 ~~A~~ P.M. Time Started Off Bottom 3:00 ~~A~~ P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure			(A) 1620 P.S.I.			
Initial Flow Period	Minutes 45		(B) 144 P.S.I.	to (C)	336 P.S.I.	
Initial Closed In Period	Minutes 60		(D) 849 P.S.I.			
Final Flow Period	Minutes 45		(E) 378 P.S.I.	to (F)	496 P.S.I.	
Final Closed In Period	Minutes 60		(G) 885 P.S.I.			
Final Hydrostatic Pressure			(H) 1601 P.S.I.			