

15-009-24892-00-00

15-16s-11w

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21108.D203

Company Mai Oil Operations, Inc. Lease & Well No. Sauber No. 1
Elevation 1875KB Formation Lansing/Kansas City "A" & "B" Effective Pay -- Ft. Ticket No. J1796
Date 1-09-06 Sec. 15 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Kitt Noah Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,002 ft. to 3,054 ft. Total Depth 3,054 ft.
Packer Depth 3,197 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,002 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 3,005 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,051 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 47 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 10.0 cc. Drill Pipe Length 2,952 ft. I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.
Jars: Make Bowen Serial Number Not Run Anchor Length 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 27 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. Weakened throughout. No blow back during shut-in.

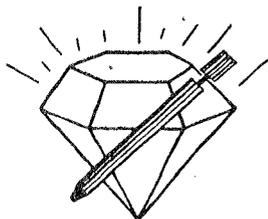
Recovered 1,150 ft. of gas in pipe
Recovered 55 ft. of oil & gas cut mud = .502600 bbls. (Grind out: 20%-oil; 20%-gas; 60%-mud)
Recovered 55 ft. of TOTAL FLUID = .502600 bbls.
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 6:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 10:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 99°
Initial Hydrostatic Pressure (A) 1472 P.S.I.
Initial Flow Period Minutes 60 (B) 30 P.S.I. to (C) 41 P.S.I.
Initial Closed In Period Minutes 60 (D) 916 P.S.I.
Final Flow Period Minutes 60 (E) 42 P.S.I. to (F) 48
Final Closed In Period Minutes 60 (G) 901 P.S.I.
Final Hydrostatic Pressure (H) 1434 P.S.I.

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STC 21108.D204

Company Mai Oil Operations, Inc. Lease & Well No. Sauber No. 1
Elevation 1875KB Formation Lansing/Kansas City "H" & "I" Effective Pay -- Ft. Ticket No. J1797
Date 1-10-06 Sec. 15 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Kitt Noah Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,131 ft. to 3,175 ft. Total Depth 3,175 ft.
Packer Depth 3,126 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,131 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 3,134 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,172 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 54 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 10.0 cc. Drill Pipe Length 3,081 ft. I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.
Jars: Make Bowen Serial Number Not Run Anchor Length 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.

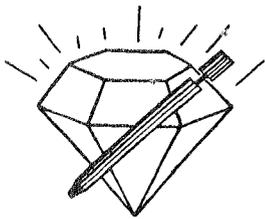
Blow: 1st Open: Good, 6 in., blow & still building. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 1 min. Decreasing to 5 ins. at end. No blow back during shut-in.

Recovered 600 ft. of gas in pipe
Recovered 85 ft. of slightly gas cut oily mud = .928600 bbls. (Grind out: 10%-gas; 25%-oil; 65%-mud)
Recovered 85 ft. of TOTAL FLUID = .928600 bbls.
Recovered ft. of
Recovered ft. of

Remarks

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Time Set Packer(s) 2:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 6:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 102°
Initial Hydrostatic Pressure (A) 1545 P.S.I.
Initial Flow Period Minutes 60 (B) 31 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period Minutes 60 (D) 457 P.S.I.
Final Flow Period Minutes 60 (E) 52 P.S.I. to (F) 65 P.S.I.
Final Closed In Period Minutes 60 (G) 601 P.S.I.
Final Hydrostatic Pressure (H) 1523 P.S.I.



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STC 21108.D204

Company Mai Oil Operations, Inc. Lease & Well No. Sauber No. 1
Elevation 1875KB Formation Lansing/Kansas City "J" Effective Pay -- Ft. Ticket No. J1798
Date 1-10-06 Sec. 15 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Kitt Noah Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,175 ft. to 3,212 ft. Total Depth 3,212 ft.
Packer Depth 3,170 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,175 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,178 ft. Recorder Number 21108 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,209 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 49 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 3,125 ft. I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IE in.
Mud: Make Bowen Serial Number Not Run Anchor Length 37 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.

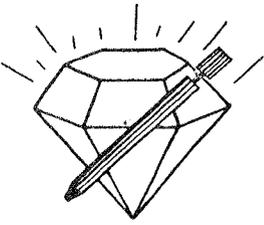
Flow: 1st Open: Good blow. Slowly building to 4 ins. No blow back during shut-in.
2nd Open: Fair, 4 in., blow throughout. No blow back during shut-in.

Recovered 190 ft. of gas in pipe
Recovered 55 ft. of gassy muddy oil = .502600 bbls. (Grind out: 15%-gas; 30%-mud; 55%-oil)
Recovered 55 ft. of TOTAL FLUID = .502600 bbls.
Recovered ft. of
Recovered ft. of

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Remarks

Time Set Packer(s)	<u>5:16</u>	XXM. P.M.	Time Started Off Bottom	<u>8:45</u>	XXM. P.M.	Maximum Temperature	<u>103°</u>
Initial Hydrostatic Pressure	..... (A)	<u>1570</u>				<u>P.S.I.</u>	
Initial Flow Period	..... Minutes	<u>45</u>	(B)	<u>33</u>	<u>P.S.I.</u>	to (C)	<u>40</u> <u>P.S.I.</u>
Initial Closed In Period	..... Minutes	<u>60</u>	(D)	<u>872</u>	<u>P.S.I.</u>		
Initial Flow Period	..... Minutes	<u>45</u>	(E)	<u>36</u>	<u>P.S.I.</u>	to (F)	<u>47</u> <u>P.S.I.</u>
Initial Closed In Period Minutes	<u>60</u>	(G)	<u>849</u>	<u>P.S.I.</u>		
Initial Hydrostatic Pressure (H)	<u>1531</u>				<u>P.S.I.</u>	



DIAMOND TESTING
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STC 21083.D205

Company Mai Oil Operations, Inc. Lease & Well No. Sauber No. 1
Elevation 1875KB Formation Arbuckle Effective Pay Ft. Ticket No. J1799
Date 1-11-06 Sec. 15 Twp. 16S Range 11W County Barton State Kansas
Test Approved By Kitt Noah Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,270 ft. to 3,347 ft. Total Depth 3,347 ft.
Packer Depth 3,265 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,270 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,273 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,344 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 46 Weight Pipe Length ft. I.D. in.
Weight 9.4 Water Loss 10.8 cc. Drill Pipe Length 3,220 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 77 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 2 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 3 1/2 mins. No blow back during shut-in.

Recovered 90 ft. of gas in pipe
Recovered 600 ft. of gassy oil = 8.520000 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 40 @ 60°
Recovered 480 ft. of gas & mud cut oil = 6.537600 bbls. (Grind out: 20%-gas; 30%-mud; 50%-oil)
Recovered 1,080 ft. of TOTAL FLUID = 15.057600 bbls.
Recovered ft. of
Remarks

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Time Set Packer(s) 4:30 **AM.** P.M. Time Started Off Bottom 7:00 **AM.** P.M. Maximum Temperature 113°
Initial Hydrostatic Pressure (A) 1624 P.S.I.
Initial Flow Period Minutes 30 (B) 115 P.S.I. to (C) 282 P.S.I.
Initial Closed In Period Minutes 45 (D) 878 P.S.I.
Final Flow Period Minutes 30 (E) 309 P.S.I. to (F) 423 P.S.I.
Final Closed In Period Minutes 45 (G) 849 P.S.I.
Final Hydrostatic Pressure (H) 1599 P.S.I.