11-18s-15w

15-009-25309-00-00

KGS

DRILL STEM TEST REPORT

MAI OIL OPERATIONS INC

8411 PRESTON RD STE 800
DALLAS , TX 75225+5520

ATTN: KITT NOAH

MANETH #1

11-18S-15W BARTON

Job Ticket: 16693 **DST#: 1**

Test Start: 2009.03.13 @ 03:50:00

GENERAL INFORMATION:

Formation: **LANSING KC A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:52:55
Time Test Ended: 10:45:54

Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320 - 35 - GB

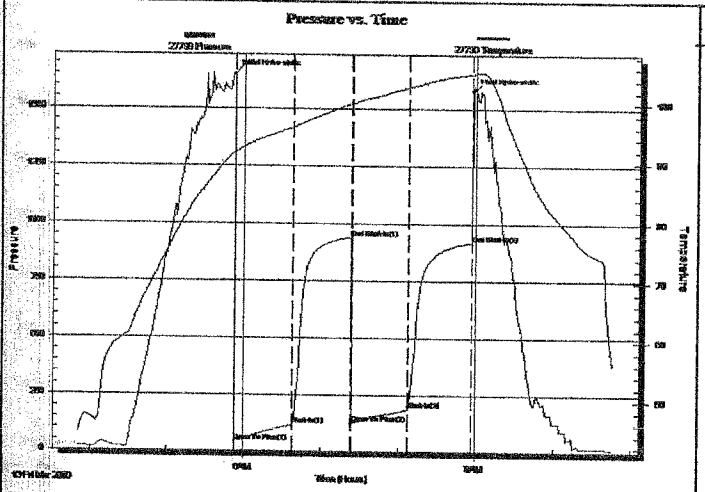
Interval: 3307.00 ft (KB) To 3332.00 ft (KB) (TVD)
Total Depth: 3332.00 ft (KB) (TVD)
Hole Diameter: 6.88 inches Hole Condition: Fair

Reference Elevations: 2001.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 27799 **Inside**
Press@RunDepth: 187.65 psia @ 3327.00 ft (KB)
Start Date: 2009.03.13 End Date: 2009.03.13
Start Time: 03:50:25 End Time: 10:45:55

Capacity: 5000.00 psia
Last Calib.: 2009.03.13
Time On Btm: 2009.03.13 @ 05:52:25
Time Off Btm: 2009.03.13 @ 08:57:25

TEST COMMENT: 45/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 4 MINUTES
45/INITIAL SHUT IN:6 INCH BLOW BACK
45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 4 MINUTES GAS TO SURFACE 15 MINUTES INTO OPEN
45/FINAL OPEN:4 INCH BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1652.24	91.83	Initial Hydro-static
1	39.62	91.91	Open To Flow (1)
46	116.61	96.12	Shut-In(1)
91	937.05	100.08	End Shut-In(1)
92	124.36	100.11	Open To Flow (2)
136	187.65	102.90	Shut-In(2)
184	918.83	105.12	End Shut-In(2)
185	1577.92	105.15	Final Hydro-static

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Recovery

Length (ft)	Description	Volume (bbl)
60.00	W CUT OM 5%O 5%M 90%W	0.84
120.00	WM CUT O 5%W 5%M 90% O	1.68
60.00	WM CUT GO 5% W 5%M 30%G 60%O	0.84
60.00	WM CT GO 5%W 5%M 35%G 55%O	0.84
60.00	GO CT MW 10%G 10%W 10%M 70%O	0.84
20.00	GO CUT MW 5%G 20%W 20%M 55%O	0.28

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.50	3.97
Last Gas Rate	0.25	2.50	3.97
Max. Gas Rate	0.25	2.50	3.97

DRILL STEM TEST REPORT

MAI OIL OPERATIONS INC

8411 PRESTON RD STE 800
DALLAS , TX 75225+5520

ATTN: KITT NOAH

MANETH #1

11-18S-15W BARTON

Job Ticket: 16694 **DST#: 2**

Test Start: 2009.03.13 @ 19:10:00

GENERAL INFORMATION:

Formation: **LANSING KC E-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:42:55
Time Test Ended: 02:13:20

Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320- 35 - GB

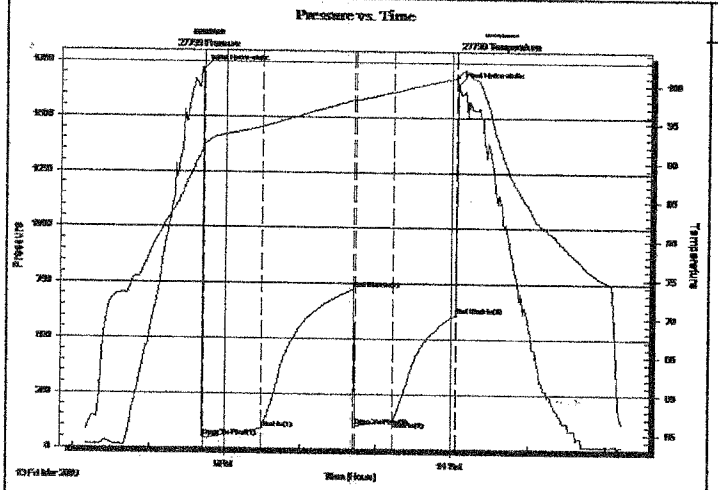
Interval: 3363.00 ft (KB) To 3390.00 ft (KB) (TVD)
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 6.88 inches Hole Condition: Fair

Reference Elevations: 2001.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 27799 **Inside**
Press@RunDepth: 127.83 psia @ 3385.00 ft (KB)
Start Date: 2009.03.13 End Date: 2009.03.14
Start Time: 19:10:25 End Time: 02:13:19

Capacity: 5000.00 psia
Last Calib.: 2009.03.14
Time On Btm: 2009.03.13 @ 20:41:55
Time Off Btm: 2009.03.14 @ 00:04:55

TEST COMMENT: 45/INITAL OPEN:STRONG BLOW BOTTOM OF BUCKET IN 2 MINUTES
45/INITAL SHUT IN:6 INCH BLOW BACK
45/FINAL OPEN :STRONG BLOW BUILT BOTTOM OF BUCKET IN 2 MINUTES
45/FINAL SHUT IN :BLOW BACK BOTTOM OF BUCKET GAS TO SURFACE IN SHUT IN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1717.09	91.84	Initial Hydro-static
1	51.80	92.11	Open To Flow (1)
48	89.37	94.53	Shut-In(1)
121	725.63	97.99	End Shut-In(1)
122	103.60	98.01	Open To Flow (2)
152	127.83	99.07	Shut-In(2)
202	610.01	100.92	End Shut-In(2)
203	1649.68	101.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO CUT M 30%GAS 35%O 30%M	1.68
180.00	GO 15%G 85%O	2.52

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

MAI OIL OPERATIONS INC

8411 PRESTON RD STE 800
DALLAS , TX 75225+5520

ATTN: KITT NOAH

MANETH #1

11-18S-15W BARTON

Job Ticket: 16695 **DST#: 3**

Test Start: 2009.03.14 @ 12:50:00

GENERAL INFORMATION:

Formation: **LANSING KC H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:20:25
Time Test Ended: 18:44:55

Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320 - 35 - GB

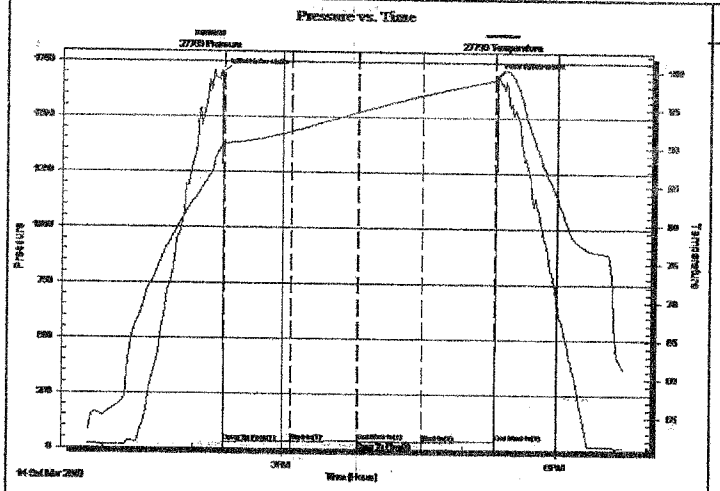
Interval: 3433.00 ft (KB) To 3455.00 ft (KB) (TVD)
Total Depth: 3455.00 ft (KB) (TVD)
Hole Diameter: 6.88 inches Hole Condition: Fair

Reference Elevations: 2001.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 27799 **Inside**
Press@RunDepth: 34.00 psia @ 3450.00 ft (KB)
Start Date: 2009.03.14 End Date: 2009.03.14
Start Time: 12:50:25 End Time: 18:44:55

Capacity: 5000.00 psia
Last Calib.: 2009.03.14
Time On Btm: 2009.03.14 @ 14:19:25
Time Off Btm: 2009.03.14 @ 17:21:55

TEST COMMENT: 45/INTIAL OPEN:VERY WEAK BUT BUILDING BLOW BUILT 1/2 INCH INTO BUCKET IN 45 MINUTES
45/INITAL SHUT IN :VERY WEAK SURFACE BLOW
45/FINAL OPEN:VERY WEAK BT BUILDING BLOW BUILT 1/4 INCH INTO WATER IN 45 MINUTES
45/FINAL OPEN :NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1696.85	90.10	Initial Hydro-static
1	28.74	90.24	Open To Flow (1)
46	33.27	91.98	Shut-In(1)
91	37.42	94.53	End Shut-In(1)
91	33.15	94.56	Open To Flow (2)
134	34.00	96.78	Shut-In(2)
181	38.11	98.85	End Shut-In(2)
183	1688.85	98.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	O CUT MUD 5%O 95%M	0.03

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

MAI OIL OPERATIONS INC

8411 PRESTON RD STE 800
DALLAS , TX 75225+5520

ATTN: KITT NOAH

MANETH #1

11-18S-15W BARTON

Job Ticket: 16696 **DST#: 4**

Test Start: 2009.03.15 @ 02:05:00

GENERAL INFORMATION:

Formation: **LANSING KC I - J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:04:55
Time Test Ended: 08:55:25

Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320- 35 - GB

Interval: 3457.00 ft (KB) To 3492.00 ft (KB) (TVD)
Total Depth: 3492.00 ft (KB) (TVD)
Hole Diameter: 6.88 inches Hole Condition: Fair

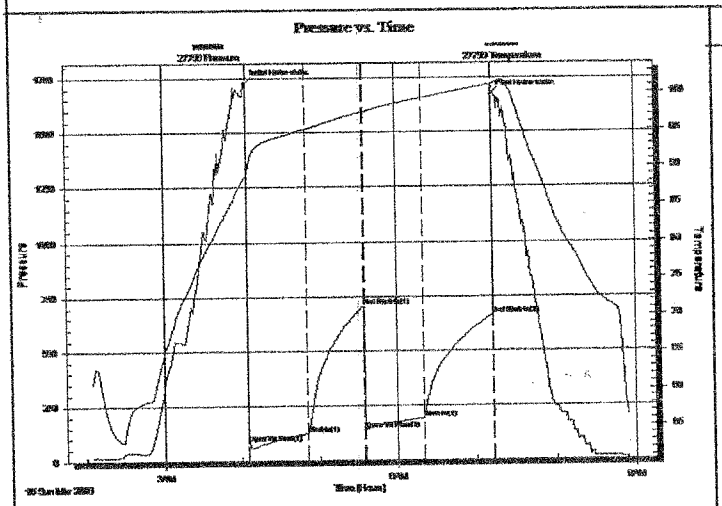
Reference Elevations: 2001.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 27799 **Inside**

Press@RunDepth: 193.00 psia @ 3487.00 ft (KB)
Start Date: 2009.03.15 End Date: 2009.03.15
Start Time: 02:05:25 End Time: 08:55:25

Capacity: 5000.00 psia
Last Calib.: 2009.03.15
Time On Btm: 2009.03.15 @ 04:04:25
Time Off Btm: 2009.03.15 @ 07:13:25

TEST COMMENT: 45/INITIAL OPEN:STRONG BLOW BOTTOM OF BUCKET IN 2 MINUTES GAS TO SURFACE 27 MINUTES
45/INITIAL SHUT IN :1 INCH BLOW BACK
45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 2 MINUTES
45/FINAL SHUT IN :BLOW BACK BOTTOM OF BUCKET IN 45 MINUTES



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1729.66	88.81	Initial Hydro-static
1	81.49	88.93	Open To Flow (1)
46	125.36	95.16	Shut-In(1)
90	708.94	97.42	End Shut-In(1)
91	142.83	97.45	Open To Flow (2)
136	193.00	99.28	Shut-In(2)
189	665.21	101.11	End Shut-In(2)
189	1671.27	101.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO CUT M 45%G 50%O 5%M	1.68
120.00	GO 5%G 90%O	1.68
180.00	OIL 100%	2.52
15.00	OIL 100%	0.21

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.30	8.41
Last Gas Rate	0.25	5.60	8.88
Max. Gas Rate	0.25	6.60	10.47

DRILL STEM TEST REPORT

MAI OIL OPERATIONS INC

8411 PRESTON RD STE 800
DALLAS , TX 75225+5520

ATTN: KITT NOAH

MANETH #1

11-18S-15W BARTON

Job Ticket: 16697 **DST#: 5**

Test Start: 2009.03.15 @ 21:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:32:25
Time Test Ended: 04:04:54

Test Type: Conventional Bottom Hole (Initial)
Tester: JARED SCHECK
Unit No: 3320 - 35 - GB

Interval: 3566.00 ft (KB) To 3577.00 ft (KB) (TVD)
Total Depth: 3577.00 ft (KB) (TVD)
Hole Diameter: 6.88 inches Hole Condition: Fair

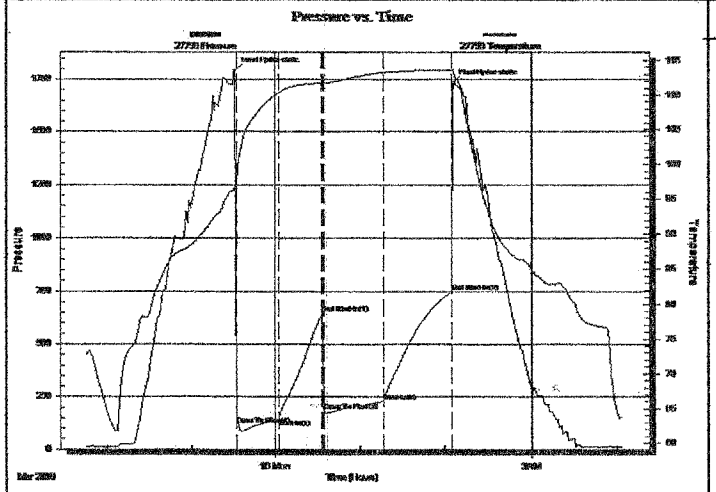
Reference Elevations: 2001.00 ft (KB)
1993.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 27799 **Inside**

Press@RunDepth: 229.80 psia @ 3572.00 ft (KB)
Start Date: 2009.03.15 End Date: 2009.03.16
Start Time: 21:45:25 End Time: 04:04:55

Capacity: 5000.00 psia
Last Calib.: 2009.03.16
Time On Btm: 2009.03.15 @ 23:31:25
Time Off Btm: 2009.03.16 @ 02:05:55

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BOTTOM OF BUCKET IN 3 MINUTES
30/INITIAL SHUT IN:3 INCH BLOW BACK
45/FINAL OPEN:FAIR BLOW BUILT BOTTOM OF BUCKET IN 10 MINUTES
45/FINAL SHUT IN:4 1/2 INCH BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1791.92	96.62	Initial Hydro-static
1	117.66	97.00	Open To Flow (1)
31	146.98	110.29	Shut-In(1)
62	647.45	111.77	End Shut-In(1)
63	187.25	111.76	Open To Flow (2)
106	229.80	113.27	Shut-In(2)
154	747.74	113.65	End Shut-In(2)
155	1732.43	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GO CUT M 10%G 80%O 10%M	0.84
495.00	GO 10%G 90%O	6.94
60.00	GAS ON TOP FLUID	0.84

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)