



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED JUN 08 2010

Test Ticket

NO. 37890 14336

Well Name & No. BH Berkman #13-5 Test No. 1 Date 6-3-10
 Company Mak-J Elevation 2883 KB 2870 GL
 Address 1800 N Broadway, Ste 1740, Denver CO 80202
 Co. Rep / Geo. Justin Carter Rig H2 #2
 Location: Sec. 5 Twp. 14s Rge. 32w Co. Logan State KS

Interval Tested 4032-4058 Zone Tested Lans H
 Anchor Length 26' Drill Pipe Run 3773 Mud Wt. 9.1
 Top Packer Depth 4027 Drill Collars Run 244 Vis 45
 Bottom Packer Depth 4032 Wt. Pipe Run 0 WL 8.0
 Total Depth 4058 Chlorides 3000 ppm System LCM 1#

Blow Description IF: Surface blow died in 7 mins.
IS: No return.
FF: No blow GIP=0
FS: No return

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------|------|------|------------|------|
| <u>5</u> | <u>M</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1965 Test 1225 T-On Location 23:20pm
 (B) First Initial Flow 15 Jars 250 T-Started 00:33am
 (C) First Final Flow 17 Safety Joint 75 T-Open 05:17am
 (D) Initial Shut-In 569 Circ Sub N/C T-Pulled 06:57am
 (E) Second Initial Flow 16 Hourly Standby 1 = \$100.00 T-Out 10:10am
 (F) Second Final Flow 18 Mileage 70 = 8750 Comments _____
 (G) Final Shut-In 851 Sampler = \$250.00 _____
 (H) Final Hydrostatic 1949 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____

Initial Open 10 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 60 Extra Copies _____
 Final Shut-In 120 Sub Total 0
 Sub Total 2131.50 Total 2157.50

Approved By Justin Carter Our Representative Justin Carter
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 37890 Date 6-3-10
 Company Name MaK-J
 Lease BH Berkman 13-5 Test No. 1
 County Logan Sec. 5 Twp. 143 Rng. 32W

SAMPLER RECOVERY

Gas _____ ML
 Oil _____ ML
 Mud 2000 ML
 Water _____ ML
 Other _____ ML
 Pressure _____ ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 3000 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 45
 Mud Weight ~~8.8~~ 9.1
 Filtrate 8.0
 Other LCM 1#

SAMPLER ANALYSIS

~~Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F~~

PIPE RECOVERY

~~TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.~~



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Test Ticket

NO. 37891

Well Name & No. BH Berkman #135 Test No. 2 Date 6-4-10
 Company Mak-5 Elevation 2883 KB 2870 GL
 Address 1800 N Broadway, Ste 1740, Denver CO 80202
 Co. Rep / Geo. Justin Carter Rig H2 #2
 Location: Sec. 5 Twp. 14s Rge. 32w Co. Logan State KS

Interval Tested 4057 - 4095 Zone Tested Lans I
 Anchor Length 38' Drill Pipe Run 3805 Mud Wt. 9.1
 Top Packer Depth 4052 Drill Collars Run 244 Vis 53
 Bottom Packer Depth 4057 Wt. Pipe Run 0 WL 8.8
 Total Depth 4095 Chlorides 3500 ppm System LCM 1#

Blow Description IF: Surface blow for 5 mins.
FS: No return.
FF: No blow. GIP = 0
FS: No return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------|------|------|------------|------|
| <u>5</u> | <u>M</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2110 Test 1225 T-On Location 19:30pm
 (B) First Initial Flow 19 Jars 250 T-Started 19:58pm
 (C) First Final Flow 22 Safety Joint 75 T-Open 22:34pm
 (D) Initial Shut-In 1241 Circ Sub N/C T-Pulled 00:44pm
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 03:12am
 (F) Second Final Flow 30 Mileage 20 = 8750 Comments _____
 (G) Final Shut-In 1240 Sampler 250.00 _____
 (H) Final Hydrostatic 2077 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility = 150.00
 Sub Total 2037.50

Initial Open 10 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Total 2037.50

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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BY: _____

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FLUID SAMPLER DATA

Ticket No. 37891 Date 6-4-10
 Company Name Mak-J
 Lease BH Berkman #13-5 Test No. 2
 County Logan Sec. 5 Twp. 14s Rng. 32w

SAMPLER RECOVERY

Gas _____ ML Chlorides 3500 ppm.
 Oil _____ ML Resistivity _____ ohms @ _____ F
 Mud 2000 ML Viscosity 53
 Water _____ ML Mud Weight 9.1
 Other _____ ML Filtrate 8.8
 Pressure 0 PSI LCM 1#
 Total 2000 ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity _____ corrected @60F

PIPE RECOVERY

~~TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.~~



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Test Ticket

NO. 37892

Well Name & No. BH Beckman #13-5 BY: _____ Test No. 3 Date 6-5-10
 Company Mak-J Elevation 2883 KB 2870 GL _____
 Address 1800 N Broadway, Ste 1740, Denver CO 80262
 Co. Rep / Geo. Justin Carter Rig H2#2
 Location: Sec. 5 Twp. 14 S Rge. 32W Co. Logan State KS

Interval Tested 4101 - 4151 Zone Tested Lans K
 Anchor Length 50 Drill Pipe Run 3837 Mud Wt. 9.3
 Top Packer Depth 4096 Drill Collars Run 244 Vis 50
 Bottom Packer Depth 4101 Wt. Pipe Run 0 WL 8.8
 Total Depth 4151 Chlorides 5600 ppm System LCM 1#

Blow Description IF: BOB in 4 mins.
IS: No return.
FF: BOB in 4 mins. GIP = 0
FS: No return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|---------------------------------|-----------|-----------|------------|------|
| <u>15</u> | <u>SO+WCN SO+WCN</u> | <u>3</u> | <u>7</u> | <u>90</u> | |
| <u>920</u> | <u>MCLW</u> | | <u>80</u> | <u>20</u> | |
| <u>45</u> | <u>W+D</u> | <u>30</u> | <u>70</u> | | |
| <u>30</u> | <u>M</u> | | | <u>100</u> | |
| | | | | | |

Rec Total 1010 BHT 121 Gravity API RW 0190@ 70 °F Chlorides 40000 ppm

(A) Initial Hydrostatic 2007 Test 1225- T-On Location 12:40 pm
 (B) First Initial Flow 68 Jars 250- T-Started 13:20 pm
 (C) First Final Flow 260 Safety Joint 75- T-Open 15:34 pm
 (D) Initial Shut-In 1278 Circ Sub N/C T-Pulled 18:34 pm
 (E) Second Initial Flow 247 Hourly Standby T-Out 22:14 pm
 (F) Second Final Flow 536 Mileage 70 = 87.50 Comments _____
 (G) Final Shut-In 1269 Sampler = 250.00 _____
 (H) Final Hydrostatic 1991 Straddle _____

Initial Open 10 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 90 Day Standby _____
 Accessibility 150.00 Sub Total 2037.50 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0 Total 2037.50

Approved By Justin Carter Our Representative [Signature]

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FLUID SAMPLER DATA

Ticket No. 37892 Date 6-5-10
 Company Name Mak-J
 Lease BH Barkman #13-5 Test No. 3
 County Logan Sec. 5 Twp. 14S Rng. 32W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas _____ ML Chlorides 5600 ppm.
 Oil _____ ML Resistivity _____ ohms @ _____ F
 Mud 400 ML Viscosity 50
 Water 1600 ML Mud Weight 9.3
 Other _____ ML Filtrate 8.8
 Pressure 80 ~~PSI~~ LCM ~~ML~~ 1-#
 Total 2000 ML

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity .190 ohms @ 70 F
 Chlorides 40000 ppm.
 Gravity _____ corrected @60F

~~TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.~~



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Test Ticket

NO. 37893

Well Name & No. BH Berkman #13-5 BT: _____ Test No. 4 Date 6-6-10
 Company Mak-J Elevation 2883 KB 2870 GL _____
 Address 1800 N Broadway, Ste 1740, Denver CO 80202
 Co. Rep / Geo. Justin Carter Rig H2#2
 Location: Sec. 5 Twp. 14s Rge. 32w Co. Logan State KS

Interval Tested 4170 - 4180 Zone Tested Lans K
 Anchor Length 10' Drill Pipe Run 3930 Mud Wt. 9.3
 Top Packer Depth 4165 Drill Collars Run 244 Vis 54
 Bottom Packer Depth 4180 Wt. Pipe Run 0 WL 8.8
 Total Depth 4220 Chlorides 9300 ppm System LCM 1#

Blow Description IF: BOB in 2 mins.
IS: Built to 1 1/4 dial back to 3/4 inch. / GIP = 435 ft
FF: BOB in 3 mins.
F3: BOB in 4 1/2 mins.

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|--------------|-----------|-----------|-----------|-----------|
| <u>372</u> | <u>CO</u> | <u>50</u> | <u>50</u> | | |
| <u>496</u> | <u>S+MCO</u> | | <u>90</u> | | <u>10</u> |
| <u>498</u> | <u>O+MCW</u> | | <u>10</u> | <u>60</u> | <u>30</u> |
| <u>124</u> | <u>S MCW</u> | | | <u>90</u> | <u>10</u> |

Rec Total 1490 BHT 124 Gravity 29@70=29 API RW .160 @ 70 °F Chlorides 48000 ppm

(A) Initial Hydrostatic 2091 Test 1225 T-On Location 15:30 pm
 (B) First Initial Flow 102 Jars 250 T-Started 16:12 pm
 (C) First Final Flow 300 Safety Joint 75 T-Open 18:42 pm
 (D) Initial Shut-In 1324 Circ Sub = \$50.00 T-Pulled 20:52 pm
 (E) Second Initial Flow 318 Hourly Standby x1.5 = \$150.00 T-Out 04:02 am
 (F) Second Final Flow 704 Mileage 70 = \$87.50 Comments _____
 (G) Final Shut-In 1321 Sampler = \$250.00
 (H) Final Hydrostatic 2089 Straddle = \$60.00
 Shale Packer Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby
 Accessibility \$150.00 Sub Total 2831.50 Total _____

Approved By Ronald Moses Our Representative Brandon Dink
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FLUID SAMPLER DATA

Ticket No. 37890 Date 6-6-10
 Company Name Mak-J
 Lease BH-Berkgren #13-5 Test No. 4
 County Logan Sec. 5 Twp. 14s Rng. 32w

SAMPLER RECOVERY

Gas _____ ML
 Oil 2000 ML
 Mud _____ ML
 Water _____ ML
 Other _____ ML
 Pressure 75 ~~ML~~ PSI LCM #1
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 5300 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 54
 Mud Weight 9.3
 Filtrate 8.8
 Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 29@70 = 29 corrected @60F

PIPE RECOVERY

~~TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.~~