



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1119257
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1119257

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Beisel 2
Doc ID	1119257

All Electric Logs Run

CNDL
DIL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Beisel 2
Doc ID	1119257

Tops

Name	Top	Datum
Anhydrite	704	+1107
Grand Haven	2251	-440
Topeka	2595	-784
Heebner	2837	-1026
Toronto	2856	-1045
Lansing	2920	-1109
Base Kansas City	3216	-1405
Arbuckle	3288	-1477

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 20, 2013

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-167-23836-00-00
Beisel 2
NE/4 Sec.15-14S-12W
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen Bangert

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations Inc.
Beisel #2
SW-SW-NW-NE
Section 15-14s-12w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: November 20, 2012
Completed: November 29, 2012
Elevation: 1811' K.B; 1809' D.F; 1803' G.L.
Casing program: Surface; 8 5/8" @ 367'
Production; 5 1/2" @ 3369'
Sample: Samples saved and examined 2100' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2100 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were six (6) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors Completion and Production Services Co; Dual Induction, Compensated Density/Neutron Log and Micro & Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	704	+1107
Base Anhydrite	709	+1102
Grand Haven	2251	-440
1 st Tarkio Sand	2257	-446
Dover	2277	-466
2 nd Tarkio Sand	2398	-487
Tarkio Lime	Absent	
Elmont	2389	-578
Howard	2521	-710
Topeka	2595	-784
Heebner	2837	-1026
Toronto	2856	-1045
Douglas	2871	-1060
Lansing	2920	-1109
Base Kansas City	3216	1405
Conglomerate Chert	3257	-1446
Arbuckle	3288	-1477
Rotary Total Depth	3370	-1559
Log Total Depth	3370	-1559

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

1ST TARKIO SAND SECTION

2257-2262' Sand; gray, very fine grained, sub rounded, micaceous, shaley, poor stain, trace free oil and no odor in fresh samples.

2ND TARKIO SAND SECTION

2293-2398' Silty, poorly developed sand, questionable stain, no free oil and no door.

Drill Stem Test #1 **2256-2320'**

Times: 30-30-30-45

Blow: Good

Recovery: 10' mud

Pressures: ISIP 186 psi
FSIP 680 psi
IFP 16-19 psi
FFP 15-18 psi
HSH 1073-1096 psi

TOPEKA SECTION

2596-2836' There were several zones of well-developed porosity encountered in the drilling of the Topeka Section but no shows of oil and/or gas was noted. (See attached Sample and Geologist Log).

TORONTO SECTION

2856-2870' Limestone; tan, gray, finely crystalline, slightly cherty (dense).

LANSING SECTION

2920-2928' Limestone; gray, tan, finely crystalline, chalky, scattered porosity, no shows.

2936-2940' Limestone; white, gray, sub oomoldic, highly oolitic, chalky, brown spotty stain, show of free oil and questionable odor in fresh samples.

2958-2970' Limestone; cream, white, oomoldic, fair oomoldic porosity, brown stain and saturation, show of free oil and faint odor in fresh samples.

Drill Stem Test #2 **2927-2991'**

Times: 30-30-30-45

Blow: Strong, gas to surface 18 mins. Into final flow, T.S.T.M.

**Recovery: 175' oil and gas cut muddy water
(35% gas, 10% oil, 30% water, 25% mud)**

**Pressures: ISIP 729 psi
FSIP 735 psi
IFP 22-56 psi
FFP 58-82 psi
HSH 1483-1458 psi**

3010-3020' Limestone; white, oolitic, chalky, trace light brown stain, trace of free oil and questionable odor.

3024-3040' Limestone; cream, white, oomoldic, fair oomoldic porosity, light brown stain, trace of free oil and faint odor in fresh samples.

Drill Stem Test #3 **2996-3051'**

Times: 45-30-45-45

Blow: Strong

**Recovery: 90' gas in pipe
95' slightly oil and gas cut watery mud
(5% gas, 10% oil, 20% water, 65% mud)
125' muddy water**

**Pressures: ISIP 741 psi
FSIP 740 psi
IFP 17-68 psi
FFP 72-114 psi
HSH 1572-1498 psi**

3074-3080' Limestone; white, gray, sub oomoldic, chalky, fair porosity, no shows.

3093-3103' Limestone; white, gray, oolitic, scattered porosity, light brown and golden brown stain, show of free oil and faint odor in fresh samples.

3110-3104' Limestone; white, gray, oomoldic, fair oomoldic porosity, no shows, questionable odor.

3147-3154' Limestone; white, oolitic, slightly chalky, fair porosity, golden brown stain, show of free oil and faint to fair odor.

Drill Stem Test #4 3081-3165'

Times: 30-30-45-45

Blow: Fair

Recovery: 120' gas in pipe
 60' oil cut gassy mud
 (5% gas, 20% oil, 75% mud)

Pressures: ISIP 626 psi
 FSIP 622 psi
 IFP 16-29 psi
 FFP 28-41 psi
 HSH 1561-1529 psi

3180-3190' Limestone; tan, finely crystalline, chalky, few fossiliferous, plus gray and brown chert.

3202-3210' Limestone; tan, gray, finely crystalline, chalky, few sandy, poorly developed porosity, no shows.

CONGLOMERATE SECTION

3257-3270' Abundant orange, red, peach, boney chert.

3270-3285' Varied colored oolitic opaque chert.

ARBUCKLE SECTION

3288-3296' Dolomite; white, gray, fine and medium crystalline, good to fair intercrystalline type porosity, brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #5 3231-3296'

Times: 30-30-45-45

Blow: Fair

Recovery: 835' clean oil
 120' oil cut mud
 (10% oil, 90% mud)

Pressures: ISIP 983 psi
 FSIP 970 psi
 IFP 37-211 psi
 FFP 218-390 psi
 HSH 1639-1602 psi

3296-3304' Dolomite; as above, fair stain and saturation, show of free oil and fair odor.

Drill Stem Test #6 **3296-3304'**

Times: 30-30-45-45

Blow: Strong

Recovery: 630' clean oil
500' water

Pressures: ISIP 934 psi
FSIP 912 psi
IFP 57-322 psi
FFP 338-491 psi
HSH 1711-1643 psi

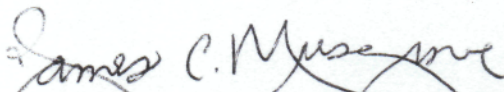
- 3304-3320' Dolomite; gray, white, medium crystalline, fair porosity, green tinted, few sandy, no shows.
- 3320-3340' Dolomite; as above, plus white chalk.
- 3340-3370' Dolomite; white, gray, cream, medium crystalline, few coarse crystalline, fair to good intercrystalline porosity, plus white chalky and trace white chert.

Rotary Total Depth 3370
Log Total Depth 3370

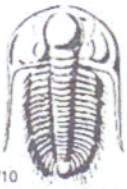
Recommendations:

5 1/2" production casing was set and cemented on the Beisel #2.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50760

4/10

Well Name & No. Beisel #2 Test No. 1 Date 11-24-12
 Company Maj Oil Operations INC Elevation _____ KB _____ GL _____
 Address 8411 Preston Rd STE 800 Dallas TX 75225-5520
 Co. Rep / Geo. Jim Musgrove Rig Southwind 3
 Location: Sec. 15 Twp. 14s Rge. 12w Co. Russell State Ellis

Interval Tested 2256-2320 Zone Tested TARKID
 Anchor Length 64' Drill Pipe Run 2121 Mud Wt. 8.6
 Top Packer Depth 2251 Drill Collars Run 120.75 Vis 50
 Bottom Packer Depth 2256 Wt. Pipe Run 0 WL 8.8
 Total Depth 2320 Chlorides 4500 ppm System LCM 1/2"
 Blow Description IF: 5" in 2 min, 2" in 3 min, 4" in 7 min, 6" in 13 min, 8" in 23 min. Built to 9
ISI: NO Return
FSI: BOB in 8 min.
PSI: NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>				

Rec Total 10' BHT 78° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1073</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>16</u>	<input type="checkbox"/> Jars _____	T-Started <u>19:03</u>
(C) First Final Flow <u>19</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>20:25</u>
(D) Initial Shut-In <u>186</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:40</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:08</u>
(F) Second Final Flow <u>18</u>	<input checked="" type="checkbox"/> Mileage <u>7421</u> <u>114.70</u>	Comments _____
(G) Final Shut-In <u>680</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1056</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1264.70</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By _____ Our Representative [Signature]



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

50761

NO.

Well Name & No. Beisel #2 Test No. 2 Date 11-26-12
 Company MAI OIL OPERATIONS INC Elevation 1811 KB 1803 GL
 Address 8411 PRESTON RD STE 800 DALLAS TX 75225+5520
 Co. Rep / Geo. Jim Musgrave Rig Southwind #3
 Location: Sec. 15 Twp. 14s Rge. 12W Co. Russell State K5

Interval Tested 2927-2991 Zone Tested LKC "A,B,C"
 Anchor Length 64' Drill Pipe Run 2912 Mud Wt. 9.5
 Top Packer Depth 2922 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 2927 Wt. Pipe Run 0 WL 10.0
 Total Depth 2991 Chlorides 6300 ppm System LCM TR
 Blow Description IF: BOB 30 seconds
ISI: NO RETURN

FF: BOB 30 seconds, Gas to surface in 18 mins. Gas does burn.
FSL: Return blow immediately. Built to 4" sized in 16 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>60 CMW</u>	<u>1.35</u>	<u>10</u>	<u>30</u>	<u>25</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 175' BHT 91° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

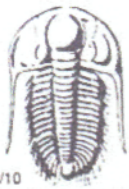
(A) Initial Hydrostatic <u>1483</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>05:35</u>
(B) First Initial Flow <u>22</u>	<input type="checkbox"/> Jars _____	T-Started <u>05:41</u>
(C) First Final Flow <u>56</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>07:06</u>
(D) Initial Shut-In <u>729</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>09:21</u>
(E) Second Initial Flow <u>58</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>11:12</u>
(F) Second Final Flow <u>82</u>	<input checked="" type="checkbox"/> Mileage <u>74RT</u> <u>114.70</u>	Comments _____
(G) Final Shut-In <u>735</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1458</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby ← 14 5 25 hrs
 Accessibility _____
 Sub Total _____

MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative Andy Co



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50762

Well Name & No. Beise #2 Test No. 3 Date 11-26-12
 Company MAI Oil Operations Inc. Elevation 1811 KB 1803 GL
 Address 8411 Preston, Rd STE 800 Dallas TX 75225-5520
 Co. Rep / Geo. Jim Musgrave Rig Southern #3
 Location: Sec. 15 Twp. 14s Rge. 12W Co. Russell State Ks

Interval Tested 2996-3051 Zone Tested LKC" F-B "
 Anchor Length 55' Drill Pipe Run 3004 Mud Wt. 9.3
 Top Packer Depth 2991 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 2996 Wt. Pipe Run 0 WL 8.8
 Total Depth 3051 Chlorides 6700 ppm System LCM 0

Blow Description IF: 4" blow in 5 min. 8" in 11 min BOB in 18 min
FST: NO RETURN
FP: 4" blow in 6 min 8" in 11 min BOB in 17 min.
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
95	BOCWM	5	10	20	65
125	MW			90	10
90	BIP				

Rec Total 220' BHT 91° Gravity _____ API RW .236 @ 20° F Chlorides 124,000 ppm

- (A) Initial Hydrostatic 1572
- (B) First Initial Flow 17
- (C) First Final Flow 68
- (D) Initial Shut-In 741
- (E) Second Initial Flow 72
- (F) Second Final Flow 114
- (G) Final Shut-In 740
- (H) Final Hydrostatic 1498

- Test 1150
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 740 114.10
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total _____

- T-On Location 17:48
- T-Started 18:02
- T-Open 19:21
- T-Pulled 21:51 22:06
- T-Out 00:10

Comments * RAN 45 min IF instead of 30 min. Could set slips.

Initial Open 30 → 45*
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total _____
- Total 1264 70
- MP/DST Disc't _____

Approved By _____ Our Representative Andy Car



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50763

Well Name & No. Bzisel #2 Test No. 4 Date 11-27-12
 Company Mai Oil Operations Inc Elevation 1811 KB 1803 GL
 Address 8411 Preston Rd. STE 800 Dallas TX 75225 + 5520
 Co. Rep / Geo. Jim Musgrove Rig Southwind #3
 Location: Sec. 15 Twp. 14S Rge. 12W Co. Russell State Ks

Interval Tested 3081-3165 Zone Tested LKC "I-K"
 Anchor Length 84 Drill Pipe Run 3090 Mud Wt. 9.3
 Top Packer Depth 3076 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 3081 Wt. Pipe Run 0 WL 8.8
 Total Depth 3165 Chlorides 6700 ppm System LCM 0

Blow Description IF: 1" blow in 4min, 3" in 11min, 5" in 19min. built to 7"
ISI: Return surface blow
FF: 1" blow immediately, 3" in 6min, 5" in 14min, built to 8"
FSL: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>OCBm</u>	<u>5</u>	<u>20</u>	<u>75</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>GIP</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 89° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1561 Test 1150 T-On Location 09:40
 (B) First Initial Flow 16 Jars _____ T-Started 10:38
 (C) First Final Flow 29 Safety Joint _____ T-Open 12:05
 (D) Initial Shut-In 626 Circ Sub _____ T-Pulled 14:35
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 16:15
 (F) Second Final Flow 41 Mileage 74RT 114.70 Comments _____
 (G) Final Shut-In 622 Sampler _____ Motel
 (H) Final Hydrostatic 1529 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30 Extra Recorder _____ Sub Total _____
 Initial Shut-In 30 Day Standby _____ Total 1200.70
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total _____

Approved By _____ Our Representative [Signature]



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50764

Well Name & No. Beisel #2 Test No. 5 Date 11-28-12
 Company MAI Oil Operations Inc Elevation 1811 KB 1803 GL
 Address 8411 PRESTON RD STE 800 Dallas TX 75225+5520
 Co. Rep / Geo. Jim Musgrave Rig Southwind #3
 Location: Sec. 15 Twp. 14S Rge. 12W Co. Russell State Ks

Interval Tested 3231-3296 Zone Tested Arbuckle
 Anchor Length 65' Drill Pipe Run 3231 Mud Wt. 9.4
 Top Packer Depth 3226 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 3231 Wt. Pipe Run 0 WL 8.8
 Total Depth 3296 Chlorides 6700 ppm System LCM TR

Blow Description FF: BOB 2 min
ISI: ~~DATA~~ Return surface blow
FF: BOB 4 min
FST: WEAK ~~blowback~~ surface blow back, died in 5 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>835</u>	<u>60</u>	<u>10%</u>	<u>90%</u>		
<u>120</u>	<u>0CM</u>		<u>10%</u>		<u>90%</u>

Rec Total 955 BHT 97° Gravity 32+ API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 1638 Test 1150 T-On Location 05:57
 (B) First Initial Flow 36 Jars T-Started 06:12
 (C) First Final Flow 211 Safety Joint T-Open 08:00
 (D) Initial Shut-In 982 Circ Sub T-Pulled 10:30
 (E) Second Initial Flow 217 Hourly Standby T-Out 12:38
 (F) Second Final Flow 390 Mileage 74RT 114.70 Comments
 (G) Final Shut-In 969 Sampler MOTEL
 (H) Final Hydrostatic 1602 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45
 Sub Total _____ Total 1264.70
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50765

Well Name & No. Beisel #2 Test No. 6 Date 11-28-12
 Company Mai Oil Operations Inc Elevation 18:11 KB 18:03 GL
 Address 8411 Preston Rd STE 800 Dallas TX 75225-5520
 Co. Rep / Geo. Jim Musgrove Rig Southwind #3
 Location: Sec. 15 Twp. 14s Rge. 12W Co. Russell State Ks

Interval Tested 3296-3304 Zone Tested Nebuckle
 Anchor Length 8' Drill Pipe Run 3293 Mud Wt. 9.4
 Top Packer Depth 3291 Drill Collars Run 0 Vis 65
 Bottom Packer Depth 3296 Wt. Pipe Run 0 WL 8.8
 Total Depth 3304 Chlorides 6700 ppm System LCM TR

Blow Description IF: BOB, 1 min,
ISI: NO Return
FF: BOB, 2 min
FBI: NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>630</u>	<u>60</u>	<u>5</u>	<u>95</u>		
<u>500</u>	<u>Water</u>				

Rec Total 1130' BHT 100° Gravity _____ API RW .69 @ 26° F Chlorides 28000 ppm

(A) Initial Hydrostatic 1711 Test 1150 T-On Location 17:30
 (B) First Initial Flow 57 Jars _____ T-Started 17:32
 (C) First Final Flow 322 Safety Joint _____ T-Open 18:52
 (D) Initial Shut-In 933 Circ Sub _____ T-Pulled ~~21:52~~ 20:52
 (E) Second Initial Flow 337 Hourly Standby _____ T-Out ~~23:10~~ 23:10
 (F) Second Final Flow 491 Mileage 74ET _____ Comments _____
 (G) Final Shut-In 912 Sampler _____
 (H) Final Hydrostatic 1643 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow ~~45~~ 30 Extra Recorder _____ Sub Total _____
 Final Shut-In ~~45~~ 30 Day Standby _____ Total 1264 70
 Accessibility _____ MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative *Andy C*

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6255

Date	11-20-12	Sec.	15	Twp.	14	Range	12	County	RUSSELL	State	KANSAS	On Location	Finish	10:15 pm	
								Location <u>BLOCKER HILL 140-2E-15-1 1/2 E-S/TINTO</u>							
Lease <u>BEISEL</u>				Well No. <u>#2</u>				Owner <u>MAT OIL</u>							
Contractor <u>S.W.D #3</u>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job <u>SURFACE</u>															
Hole Size <u>12 1/4"</u>				T.D. <u>367'</u>				Charge To <u>MAT OIL</u>							
Csg. <u>8 5/8" 23LB NEW</u>				Depth <u>367'</u>				Street <u>8411 PRESTON</u>							
Tbg. Size				Depth				City <u>DALLAS</u> State <u>TX 75225</u>							
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint <u>15'</u>				Cement Amount Ordered <u>200 @ 40-3cc - 2 3/8 GEL</u>							
Meas Line				Displace <u>22 BBLs</u>											
EQUIPMENT								Common							
Pumptrk <u>#15</u>		No.		Cementer											
				Helper <u>NICK</u>				Poz. Mix							
Bulktrk <u>#1</u>		No.		Driver											
				Driver <u>DOUG</u>				Gel.							
Bulktrk <u>P/U</u>		No.		Driver											
				Driver <u>CISCO</u>				Calcium							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
								Handling							
								Mileage							
<u>CEMENT DID CIRCULATE!</u>								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								<u>1-8 5/8" WOODEN PLUG</u>							
								Pumptrk Charge							
<u>THANK YOU!</u>								Mileage							
								Tax							
								Discount							
<u>Signature</u> <u>[Signature]</u>								Total Charge							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6104

Date	11-29-12	Sec.	15	Twp.	14	Range	12	County	Russell	State	Ks	On Location		Finish	7:30 PM	
Lease	Biesel							Well No.	2	Location Bunker Hill Ks - w on Hwy 40 to 195 th Rd						
Contractor	Southwind #3							Owner	L.S. 1 1/2 E S 11 into							
Type Job	Production							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	7 7/8"		T.D.	3370'		Charge To	Main oil operations									
Csg.	5 1/2" New 14#		Depth	3366'		Street										
Tbg. Size			Depth			City	State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left In Csg.	19.60'		Shoe Joint	19.60'		Cement Amount Ordered	155 sx 60/40 10% Salt									
Meas Line			Displace	8 1/2 BLS		2% Gel 1/4# Flo-seal, 1000 gal mud Clear 48										
EQUIPMENT													Common	93		
Pumptrk	16	No.	Cementor	Travis		Poz. Mix	62									
Bulktrk	12	No.	Driver	Lonnie M.		Gel.	3									
Bulktrk	p.u.	No.	Driver	Rick		Calcium										
JOB SERVICES & REMARKS													Hulls			
Remarks:													Salt	13		
Rat Hole	30 SX												Flowseal	38		
Mouse Hole	N/A												Kol-Seal			
Centralizers	1-6, 8, 9, 11, 14												Mud CLR 48	1000 gal		
Baskets	pipe on bottom, break circulation												CFL-117 or CD110 CAF 38			
D/V or Port Collar	pump 1000 gal mud clear 48												Sand			
plug bathole w/ 30 SX, shutdown													Handling	171		
hook to 5 1/2" casing + mix 125 SX													Mileage			
Cement shutdown, wash pump +													FLOAT EQUIPMENT			
lines. Released plug + displaced with													Guide Shoe			
8 1/2 BLS of water.													Centralizer	10 turbo's		
Released + float held.													Baskets			
Lift pressure 700 #													AFU Inserts			
and plug to 1500 #													Float Shoe	1		
													Latch Down	1		
													Pumptrk Charge	prod long string		
													Mileage	13		
													Tax			
													Discount			
													Total Charge			