

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1244763
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: _____

1244763



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> _____	PRODUCTION INTERVAL: _____ _____
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JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Miller Farms #3
NE-NE-SW-NE (1465' FNL & 1460'
Section 33-15s-13w
Barton County, Kansas

Page 1

5 1/2" Disposal Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: November 17, 2014
Completed: November 23, 2014
Elevation: 1981' K.B., 1979' D.F., 1973' G.L.
Casing program: Surface; 8 5/8" @ 515
Production, 5 1/2" @ 3675'
Sample: Samples saved and examined 3000' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 3000' to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were four (4) 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.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	938	+1043
Base Anhydrite	968	+1013
Heebner	3130	-1149
Toronto	3148	-1167
Brown Lime	3204	-1223
Lansing	3214	-1233
Base Kansas City	3419	-1438
Arbuckle	3427	-1446
Rotary Total Depth	3675	-1694
Log Total Depth	3676	-1695

All tops and zones corrected to Electric Log Measurement

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

TOPEKA SECTION

- 3072-3090' Limestone, gray, tan, finely crystalline, few fossiliferous, poor visible porosity, cherty in part, no shows.
- 3094-3114' Limestone, cream, tan, finely crystalline, oolitic/fossiliferous, poor inter-crystalline porosity, dark brown spotty stain, no free oil and no odor in fresh samples.

TORONTO SECTION

- 3147-3160' Limestone, white, finely crystalline, poor visible porosity, chalky, few cherty, no shows.

LANSING SECTION

- 3204-3215' Limestone, tan, gray, finely crystalline, few fossiliferous, poor visible porosity, plus gray/cream chert.
- 3236-3245' Limestone, cream, tan, finely crystalline, oolitic, fossiliferous, sub-oomoldic, chalky, poor visible porosity, brown stain, no free oil and faint odor.
- 3261-3270' Limestone, cream, tan, finely crystalline, oolitic, poor visible porosity, dense, no shows.
- 3274-3290' Limestone, cream, tan, finely crystalline, oolitic in part, sub-oomoldic, poor visible porosity, chalky, no show of oil and faint odor in samples.
- 3290-3306' Limestone, white, cream, finely oolitic, fair pinpoint and fine vuggy porosity, chalky, trace spotty brown stain, no free oil and no odor in fresh samples.
- 3346-3352' Limestone, white, light gray finely crystalline, oolitic, oomoldic, fair oomoldic porosity, golden brown to dark brown stain, show of free oil and good odor.
- 3360-3366' Limestone, white, cream, oolitic, poor to fair vuggy type porosity, light brown stain, show of free oil and fair odor in fresh samples.
- 3378-3390' Limestone, white, cream, finely crystalline, oolitic, poor to fair inter-crystalline to vuggy type porosity, golden brown to dark brown stain, show of free oil and good odor in fresh samples.

Drill Stem Test #1 **3328-3397**

Times: 30-45-30-60

Blow: Strong

Recovery: 1837' very slightly oil and gas cut muddy water
(10% gas; 5% oil; 75% water; 10% mud)

Pressures: ISIP 894 psi
FSIP 902 psi
IFP 322-743 psi
FFP 768-872 psi
HSH 1679-1611 psi

ARBUCKLE SECTION

3426-3435' Dolomite, white, cream, light gray, finely crystalline, poor to fair inter-crystalline porosity, golden brown stain, show of free oil and good odor in fresh samples.

Drill Stem Test #2 **3398-3435**

Times: 30-45-30-60

Blow: Strong

Recovery: 15' clean oil
55' muddy oil
(75% oil; 25% mud)

Pressures: ISIP 186 psi
FSIP 176 psi
IFP 38-42 psi
FFP 50-53 psi
HSH 1702-1661 psi

3435-3445' Dolomite, light gray/cream, fine to medium crystalline, fair inter-crystalline porosity, brown stain, show of free oil and fair odor, trace pyrite and white boney chert.

Drill Stem Test #3 **3398-3445**

Times: 30-45-45-60

Blow: Fair to good

Recovery: 5' clean oil
60' heavily oil cut water
(40% oil; 10% water; 50% mud)

Pressures: ISIP 199 psi
FSIP 174 psi
IFP 40-45 psi
FFP 48-59 psi
HSH 1715-1651 psi

3445-3455' Dolomite, buff, fine to medium crystalline, scattered inter-crystalline porosity, dark brown to black stain trace of free oil and faint odor in fresh samples.

Drill Stem Test #4 **3438-3455**

Times: 30-30-30-30

Blow: Weak

Recovery: 10' very slightly oil cut mud
(1% oil; 99% mud)

Pressures: ISIP 643 psi
 FSIP 348 psi
 IFP 21-22 psi
 FFP 22-23 psi
 HSH 1702-1650 psi

3458-3470' Dolomite, gray, fine to medium crystalline, poor to fair inter-crystalline porosity, dark brown stain, to black stain, weak show of free oil and vey faint odor.

3470-3500' Dolomite, cream, tan, fine to medium crystalline, sucrosic in part, poor inter-crystalline porosity, trace spotty stain, no free oil and trace white, cream chert.

3500-3540' Dolomite, tan finely crystalline, sucrosic, poor porosity, trace white/tan chert, no shows.

3540-3570' Dolomite, cream, light gray, fine to medium crystalline, poorly developed inter-crystalline porosity, cherty in part, no shows.

3570-3600' Dolomite, as above.

3600-3620' Dolomite, white, light gray, fine to medium crystalline, few slightly oomoldic and chalky luster, no shows.

3620-3640' Dolomite, white, light gray, medium crystalline, fair inter-crystalline porosity, chalky luster, trace white/cream, boney chert.

3640-3660' Dolomite, white, cream, fine and medium crystalline, scattered porosity, plus white, tan, boney, chert, few glauconitic.

3660-3675' Dolomite, white/light gray, fine to medium crystalline, scatter inter-crystalline porosity, sandy in part, glauconitic, no shows.

Rotary Total Depth 3675
Log Total Depth 3676

Mai Oil Operations
Miller Farms #3
NE-NE-SW-NE (1465' FNL & 1460' FWL)
Section 36-16s-14w
Barton County, Kansas

Page 5

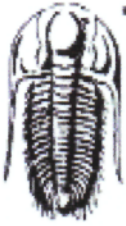
Recommendations:

The 5 ½" disposal casing set and cemented at 3675.

Respectfully yours,

A handwritten signature in cursive script that reads "Kurt Talbott".

Kurt Talbott
Petroleum Geologist



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Incorporated
 8411 Preston Road Suite 800
 Dallas, TX 75225+5520
 ATTN: Kurt Talbot

36-16s-14w Barton,KS
Miller Farms #3
 Job Ticket: 61925 **DST#: 1**
 Test Start: 2014.11.21 @ 13:21:00

GENERAL INFORMATION:

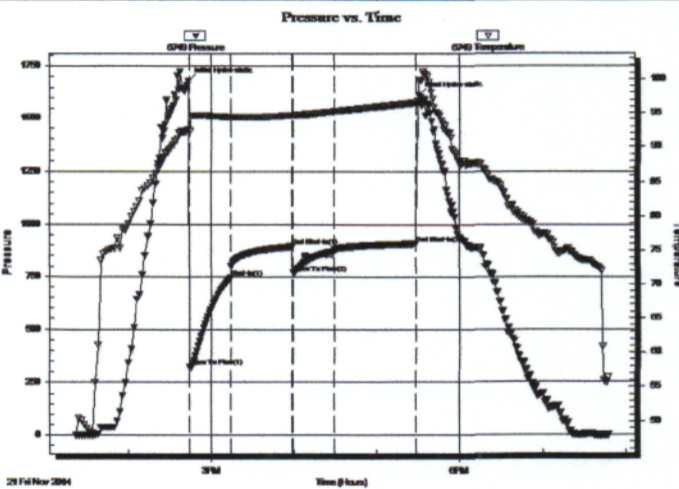
Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:44:30
 Time Test Ended: 19:47:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Interval: **3328.00 ft (KB) To 3397.00 ft (KB) (TVD)**
 Total Depth: 3397.00 ft (KB) (TVD)
 Reference Elevations: 1981.00 ft (KB)
 1973.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6749

Inside

Press@RunDepth: 872.50 psig @ 3393.28 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.21 End Date: 2014.11.21 Last Calib.: 2014.11.21
 Start Time: 13:22:00 End Time: 19:47:30 Time On Btm: 2014.11.21 @ 14:43:30
 Time Off Btm: 2014.11.21 @ 17:30:30

TEST COMMENT: FP 30 Minutes BOB in 45 seconds
 ISI 45 Minutes Surface blow back
 FFP 30 Minutes BOB in 1 minute 45 seconds
 FSI 60 Mintues Very weak surface blow back



PRESSURE SUMMARY

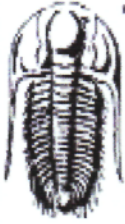
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1679.26	92.58	Initial Hydro-static
1	322.94	92.22	Open To Flow (1)
31	743.70	94.34	Shut-In(1)
75	894.86	94.65	End Shut-In(1)
76	768.66	94.63	Open To Flow (2)
106	872.50	95.24	Shut-In(2)
165	908.67	96.55	End Shut-In(2)
167	1611.16	99.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1837.00	SGOMCW Oil 5% Gas 10% Mud 10% Water 25.77%	

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Incorporated
 8411 Preston Road Suite 800
 Dallas, TX 75225+5520
 ATTN: Kurt Talbot

36-16s-14w Barton,KS
Miller Farms #3
 Job Ticket: 62026 **DST#: 2**
 Test Start: 2014.11.22 @ 02:49:00

GENERAL INFORMATION:

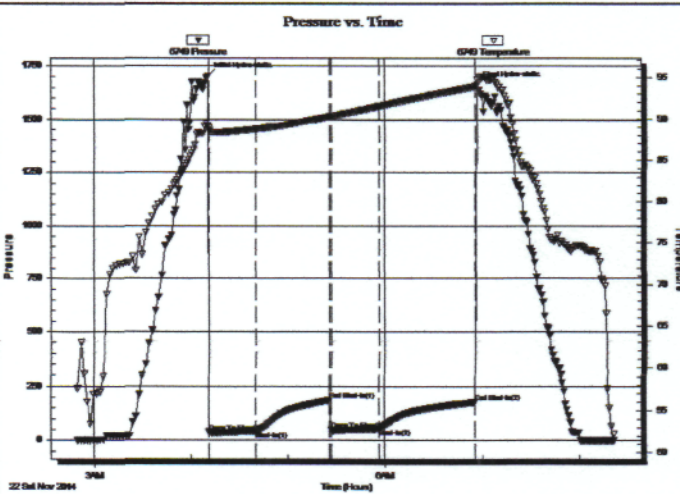
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:11:00
 Time Test Ended: 08:21:30
 Interval: **3398.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Total Depth: 3435.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1981.00 ft (KB)
 1973.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6749

Inside

Press@RunDepth: 53.24 psig @ 3431.00 ft (KB)
 Start Date: 2014.11.22 End Date: 2014.11.22
 Start Time: 02:50:00 End Time: 08:21:30
 Capacity: 8000.00 psig
 Last Calib.: 2014.11.22
 Time On Btmr: 2014.11.22 @ 04:10:30
 Time Off Btmr: 2014.11.22 @ 06:56:30

TEST COMMENT: IFP 30 Mintues BOB in 29 minutes
 ISI 45 Minutes No blow back
 FFP 30 Minutes Good blow built to 11"
 FSI 60 Minutes No blow back



PRESSURE SUMMARY

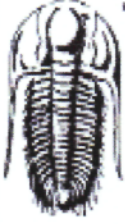
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.02	89.21	Initial Hydro-static
1	38.27	88.80	Open To Flow (1)
30	42.05	88.68	Shut-In(1)
75	186.14	90.27	End Shut-In(1)
76	50.39	90.28	Open To Flow (2)
106	53.24	91.51	Shut-In(2)
165	176.99	93.89	End Shut-In(2)
166	1661.60	94.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean oil	0.21
55.00	Muddy Emulsified oil Mud 25% Emuls O	0.77

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Incorporated
 8411 Preston Road Suite 800
 Dallas, TX 75225+5520
 ATTN: Kurt Talbot

36-16s-14w Barton,KS
Miller Farms #3
 Job Ticket: 62027 **DST#: 3**
 Test Start: 2014.11.22 @ 13:39:00

GENERAL INFORMATION:

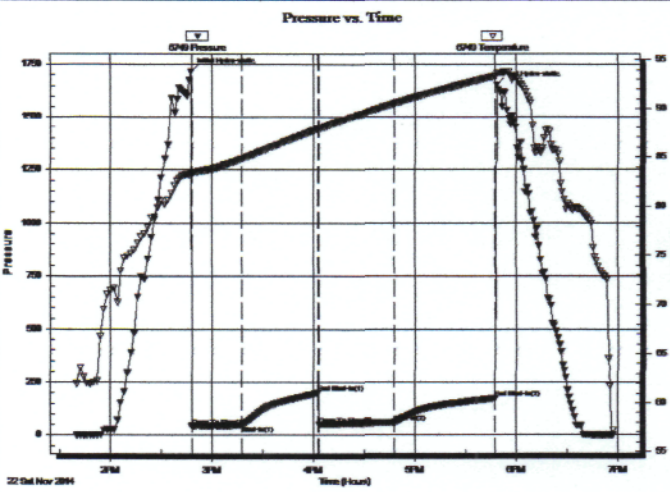
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:48:00
 Time Test Ended: 18:58:00
 Interval: **3398.00 ft (KB) To 3445.00 ft (KB) (TVD)**
 Total Depth: 3445.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1981.00 ft (KB)
 1973.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6749

Inside

Press@RunDepth: 59.84 psig @ 3441.00 ft (KB)
 Start Date: 2014.11.22 End Date: 2014.11.22
 Start Time: 13:40:00 End Time: 18:58:00
 Capacity: 8000.00 psig
 Last Calib.: 2014.11.22
 Time On Btm: 2014.11.22 @ 14:47:30
 Time Off Btm: 2014.11.22 @ 17:48:30

TEST COMMENT: FFP 30 Minutes Fair blow / built to 11"
 ISI 45 Minutes Slight surface blow back
 FFP 45 Minutes Fair blow built to 7"
 FSI 60 Minutes Slight surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.54	83.41	Initial Hydro-static
1	40.08	83.19	Open To Flow (1)
30	45.92	84.80	Shut-In(1)
75	199.94	87.85	End Shut-In(1)
76	48.83	87.88	Open To Flow (2)
121	59.84	90.51	Shut-In(2)
180	174.19	93.34	End Shut-In(2)
181	1651.20	93.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean oil	0.07
60.00	WCOM Water 10%/Oil 40%/Mud 50%	0.84

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Incorporated
 8411 Preston Road Suite 800
 Dallas, TX 75225+5520
 ATTN: Kurt Talbot

36-16s-14w Barton,KS
Miller Farms #3
 Job Ticket: 62028 DST#: 4
 Test Start: 2014.11.23 @ 00:35:00

GENERAL INFORMATION:

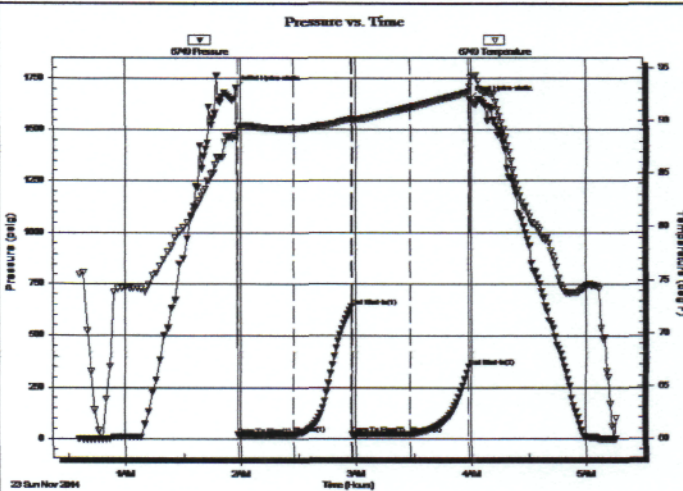
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:58:30
 Time Test Ended: 05:15:30
 Interval: **3438.00 ft (KB) To 3455.00 ft (KB) (TVD)**
 Total Depth: 3455.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: S1
 Reference Elevations: 1981.00 ft (KB)
 1973.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6749

Inside

Press@RunDepth: 23.09 psig @ 3451.00 ft (KB)
 Start Date: 2014.11.23 End Date: 2014.11.23
 Start Time: 00:36:00 End Time: 05:15:30
 Capacity: 8000.00 psig
 Last Calib.: 2014.11.23
 Time On Btm: 2014.11.23 @ 01:57:30
 Time Off Btm: 2014.11.23 @ 03:59:00

TEST COMMENT: IFF 30 Minutes Weak blow built to 1"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Weak surface blow died in 10 minutes
 FSI 30 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.57	88.41	Initial Hydro-static
1	21.05	89.44	Open To Flow (1)
30	22.11	89.16	Shut-In(1)
60	643.00	90.13	End Shut-In(1)
61	22.18	89.92	Open To Flow (2)
91	23.09	91.28	Shut-In(2)
121	348.43	92.73	End Shut-In(2)
122	1650.72	93.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCM Oil 1% Mud 99%	0.14

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

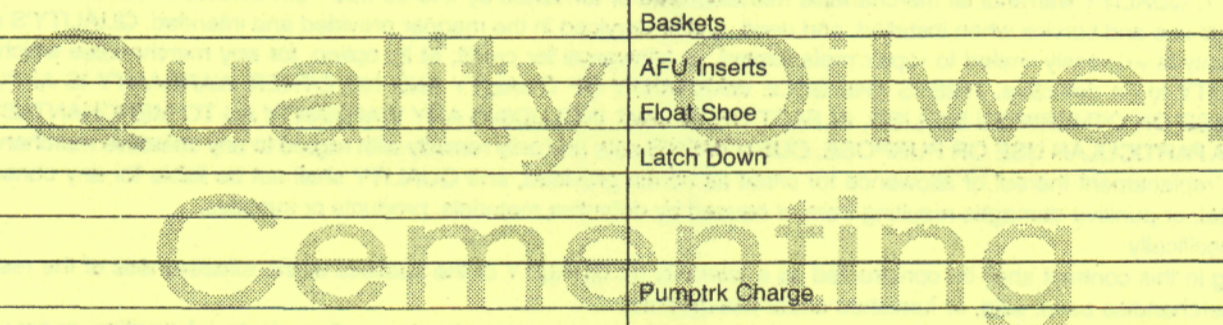
Federal Tax I.D.# 20-2886107

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

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

No. 889

Date	11-17-14	Sec.	36	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	11:45 PM
Lease								Location		281 + Galatia Bk top 15 + 180 Rd					
Miller Farms								Well No.		3					
Contractor								Owner		1 1/2 E S 1/4					
Southwind #3								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								Surface							
Hole Size				T.D.				Charge To				mai oil operations			
12 1/4"				515'											
Csg.				Depth				Street							
8 5/8"				515'											
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
15'				15'				275 60/40 3 1/2 CC 2 1/2 Gal							
Meas Line				Displace				31 3/4 80							
EQUIPMENT															
Pumptrk								Common							
20 No. Cementer															
Nick								Poz. Mix							
Bulktrk								Gel.							
9 No. Driver															
Tyson															
Bulktrk								Calcium							
p.u. No. Driver															
Rick															
JOB SERVICES & REMARKS															
Remarks:								Hulls							
Cement did Circulate								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							
FLOAT EQUIPMENT															
Guide Shoe								Rubber plug							
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down															
Pumptrk Charge															
Mileage															
								Tax							
								Discount							
X Signature								Total Charge							
Jay Brewer															



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. 1351

Date 11-24-14	Sec. 36	Twp. 16	Range 14	County Barton	State KS	On Location	Finish 7:30AM
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Location *Susank-281, 15, 1 1/2 E*

Lease <i>Miller Farms</i>	Well No. 3	Owner
Contractor <i>Southwind #3</i>		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 <i>long string</i>		
Hole Size <i>7 7/8</i>	T.D. 3675	Charge To <i>Mai Oil</i>
Csg. <i>5 1/2 #14</i>	Depth 3489.07	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.	Shoe Joint 18.40	Cement Amount Ordered <i>160sx 60/40, 10% salt, 2% gel</i>
Meas Line	Displace 84.6661	<i>1/4 # Flo</i>

EQUIPMENT

Pumptrk 17	No.	Cementer Helper <i>Lonn, ew.</i>	Common
Bulktrk 15	No.	Driver <i>Doug</i>	Poz. Mix
Bulktrk <i>Py</i>	No.	Driver <i>Travis</i>	Gel.
			Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <i>30sx</i>	Salt
Mouse Hole	Flowseal
Centralizers <i>1, 2, 5, 6, 9</i>	Kol-Seal
Baskets <i>3' #1</i>	Mud CLR 48 <i>1000 gal</i>
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>Pipe on bottom broke circulation. Drilled</i>	Sand
<i>Ball and set Packer shoe. Pumped 1000 gal</i>	Handling
<i>Mud CLR-48 with 10661 fw behind it.</i>	Mileage
<i>Plugged Rat hole with 30sx. Hooked to</i>	FLOAT EQUIPMENT
<i>5 1/2 and Mixed 130sx. Shut down washed</i>	Guide Shoe
<i>pump and lines. Released Plug and displaced</i>	Centralizer 5 turbos
<i>with 84.6661 fw. Plug landed and held.</i>	Baskets 1 Reel
<i>Lift pressure 700 psi</i>	AFU Inserts
	Float Shoe
	Latch Down 1
<i>Plug landed at 1500 psi</i>	1 Packer Shoe
	Pumptrk Charge
	Mileage

X Signature *B. Homan*

Tax
Discount
Total Charge