



KANSAS CORPORATION COMMISSION 1087583  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5259  
Name: Mai Oil Operations, Inc.  
Address 1: 8411 PRESTON RD STE 800  
Address 2: \_\_\_\_\_  
City: DALLAS State: TX Zip: 75225 + 5520  
Contact Person: Allen Bangert  
Phone: ( 214 ) 219-8883  
CONTRACTOR: License # 33350  
Name: Southwind Drilling, Inc.  
Wellsite Geologist: Jim Musgrove  
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  
 Conv. to GSW

- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>01/24/2012</u>	<u>02/01/2012</u>	<u>02/01/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25644-00-00

Spot Description: \_\_\_\_\_  
SW SW NE NW Sec. 30 Twp. 18 S. R. 14  East  West  
1250 Feet from  North /  South Line of Section  
1450 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barton

Lease Name: Nordman Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: Lansing

Elevation: Ground: 1919 Kelly Bushing: 1927

Total Depth: 3630 Plug Back Total Depth: 3590

Amount of Surface Pipe Set and Cemented at: 902 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: 72000 ppm Fluid volume: 80 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Mai Oil Operations, Inc.

Lease Name: Biggs License #: 5259

Quarter SW Sec. 21 Twp. 17 S. R. 15  East  West

County: Barton Permit #: D30699

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

- Letter of Confidentiality Received  
Date: 07/16/2012
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NAOMI JAMES Date: 07/17/2012



1087583

Operator Name: Mai Oil Operations, Inc. Lease Name: Nordman Well #: 1  
 Sec. 30 Twp. 18 S. R. 14  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  CDNL DIL Micro	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	902	60-40 Poz	350	2%gel, 3% CC
Production	7.875	5.5	14	3621	60-40 Poz	160	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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
4	3444-48, 3431-35, 3415-19, 3398-3402, 3258-62	1500 gal. 20% NE HCL	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3380</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>06/07/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u>	Gas Mcf <u>500</u>	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3258-3448 O.A.</u>
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Nordman 1
Doc ID	1087583

Tops

Name	Top	Bottom
Anhydrite	928	+999
Topeka	2934	-1007
Heebner	3172	-1245
Toronto	3190	-1263
Brown Lime	3249	-1322
Lansing	3256	-1329
Base Kansas City	3483	-1556
Arbuckle	3547	-1620

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 16, 2012

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

Re: ACO1  
API 15-009-25644-00-00  
Nordman 1  
NW/4 Sec.30-18S-14W  
Barton 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.  
Nordman #1  
SW-SW-NE-NW (1250' FNL & 1450' FWL)  
Section 30-18s-14w  
Barton County, Kansas  
Page 1

**5 1/2" Production Casing**

**Contractor:** Southwind Drilling Company (Rig #3)  
**Commenced:** January 24, 2012  
**Completed:** February 1, 2012  
**Elevation:** 1927' K.B; 1925 D.F; 1919 G.L.  
**Casing program:** Surface; 8 5/8" @ 902'  
Production; 5 1/2" @ 3630'  
**Sample:** Samples saved and examined 2900' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2900 ft 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.  
**Electric Log:** By Superior Well Services; DIL, CDL/CNL, MEL.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	928	+999
Base Anhydrite	957	+970
Topeka	2934	-1007
Heebner	3172	-1245
Toronto	3190	-1263
Brown Lime	3249	-1322
Lansing	3256	-1329
Base Kansas City	3483	-1556
Conglomerate Chert	3498	-1571
Arbuckle	3547	-1620
Rotary Total Depth	3630	-1703
Log Total Depth	3631	-1704

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

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

**TOPEKA SECTION**

3088-3100' Limestone; cream, highly oolitic, chalky, few scattered porosity, chalky, black stain, trace of free oil and no odor in fresh samples, plus gray and cream, chert.

3104-3121' Limestone; cream, light gray, fossiliferous, chalky, fair fossil cast and intercrystalline type porosity, brown and black stain, show of free oil and very faint odor in fresh samples.

**TORONTO SECTION**

3189-3196' Limestone; cream, light gray, finely crystalline, chalky in part, poor visible porosity, brown stain, trace of free oil and no odor in fresh samples.

**LANSING SECTION**

3258-3262' Limestone; cream, finely crystalline, highly oolitic in part, fair porosity, brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #1** **3252-3268'**

Times: 30-30-45-60

Blow: Strong

Recovery: 60' gas in pipe  
5' clean oil  
186' water

Pressures: ISIP 755 psi  
FSIP 755 psi  
IFP 32-68 psi  
FFP 76-113 psi  
HSH 1569-1544 psi

3280-3287' Limestone; cream, tan, fossiliferous/oolitic, fair vuggy porosity, and oomoldic porosity, brown stain, show of free oil and faint to fair odor in fresh samples.

**Drill Stem Test #2** **3275-3299'**

Times: 30-30-30-30

Blow: Weak

Recovery: 20' muddy water

Pressures: ISIP 883 psi  
FSIP 861 psi  
IFP 19-25 psi  
FFP 26-30 psi  
HSH 1585-1553 psi

3305-3312' Limestone; gray, finely crystalline, dense, poor porosity.

3326-3350' Limestone; cream, tan, chalky, oomoldic, oolitic, fair to good oomoldic porosity (barren).

3350-3376' Limestone; as above.

3396-3404' Limestone; cream, chalky, oolitic, trace vuggy type porosity, brown stain, no show of free oil and no odor in fresh samples.

3414-3420' Limestone; cream, highly oolitic, slightly chalky, fair intercrystalline and vuggy type porosity, golden brown stain, show of free oil and faint to fair odor in fresh samples.

3430-3448' Limestone; as above.

Drill Stem Test #3 3390-3450'

Times: 30-30-30-30

Blow: Strong

Recovery: 315' oil and gas cut muddy water  
(40% gas, 10% oil, 30% water, 20% mud)  
620' oil and gas cut muddy water  
(25% gas, 15% oil, 50% water, 10% mud)  
248' oil and gas cut water  
(10% gas, 25% oil, 65% water)  
248' slightly oil and gas cut water  
(10% gas, 5% oil, 85% water)  
310' water

Pressures: ISIP 994 psi  
FSIP 971 psi  
IFP 131-491 psi  
FFP 525-751 psi  
HSH 1709-1610 psi

3450-3466' Limestone; cream, light gray, white, finely crystalline, chalky, slightly oolitic/fossiliferous, poor visible porosity, no shows.

CONGLOMERATE SECTION

3499-3543' Varied shades, red shale, plus varied colored boney chert, no shows.

ARBUCKLE SECTION

3547-3550' Dolomite; gray, buff, finely crystalline, poor intercrystalline porosity, brown and black stain, trace of free oil and faint odor in fresh samples.

Drill Stem Test #4 3480-3550'

Times: 30-30-30-30

Blow: Weak

Recovery: 180' mud

Pressures: ISIP 143 psi  
FSIP 154 psi  
IFP 102-111 psi  
FFP 107-101 psi  
HSH 1746-1674 psi

3550-3560' Dolomite; gran and tan, buff, finely crystalline, sucrosic, poorly developed porosity, trace black stain, no show of free oil and faint odor in fresh samples.

3560-3580' Dolomite; light gray, cream, fine and medium crystalline, poor visible porosity, no shows, few sucrosic.

3580-3600' Dolomite; cream, light gray, fine and medium crsytaline, sucrosic, scattered intercrystalline porosity, sandy in part, no shows.

Mai Oil Operations Inc.  
Nordman #1  
SW-SW-NE-NW (1250' FNL & 1450' FWL)  
Section 30-18s-14w  
Barton County, Kansas  
Page 4

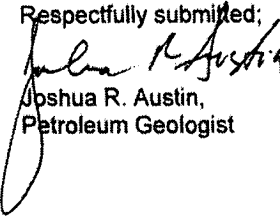
3600-3631' Dolomite; as above, slightly cherty, no shows.

Rotary Total Depth 3630  
Log Total Depth 3631

**Recommendations:**

5 1/2" production casing was set and cemented.

Respectfully submitted;

  
Joshua R. Austin,  
Petroleum Geologist





**TRIOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Mal Oil Operations Inc  
8411 Preston Rd  
Ste 800  
Dallas TX 75225-5520  
ATTN: Allen Bangert

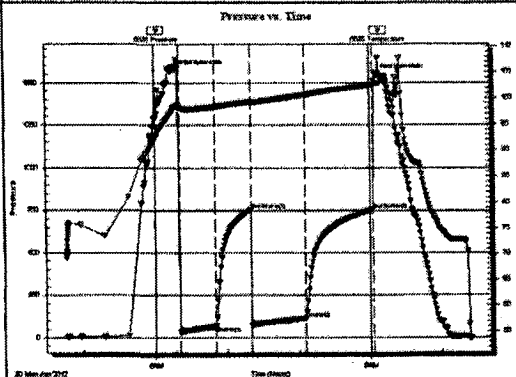
30-18s-14w Barton, KS  
Nordman #1  
Job Ticket: 46832      DST#: 1  
Test Start: 2012.01.30 @ 04:46:02

**GENERAL INFORMATION:**

Formation: LKC A  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 06:20:27  
Time Test Ended: 10:24:56  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ray Schwager  
Unit No: 42  
Interval: 3252.00 ft (KB) To 3268.00 ft (KB) (TVD)  
Reference Elevations: 1926.00 ft (KB)  
Total Depth: 3268.00 ft (KB) (TVD)      1919.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GRCF: 7.00 ft

Serial #: 6625      Inside  
Press@RunDepth: 113.91 psig @ 3253.00 ft (KB)      Capacity: 6000.00 psig  
Start Date: 2012.01.30      End Date: 2012.01.30      Last Calib.: 2012.01.30  
Start Time: 04:46:02      End Time: 10:24:56      Time On Btmt: 2012.01.30 @ 06:17:27  
Time Off Btmt: 2012.01.30 @ 09:05:56

TEST COMMENT: 30-IFP-WK to STRG BL 19 min  
30-ISIP-No BL  
45-IFP-WK to STRG BL 35 min  
60-FSIP-No BL



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1569.61	98.37	Initial Hydro-static
3	32.95	98.15	Open To Flow (1)
33	68.94	98.26	Shut-in(1)
63	755.42	99.30	End Shut-in(1)
63	78.19	99.16	Open To Flow (2)
108	113.91	100.59	Shut-in(2)
165	755.53	102.54	End Shut-in(2)
169	1544.25	102.84	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	60' GIP	0.00
5.00	CO	0.07
185.00	Water	2.61

**Gas Rates**

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



**TRILOBITE TESTING, INC.**

### DRILL STEM TEST REPORT

Mai Oil Operations Inc  
8411 Preston Rd  
Site 800  
Dallas TX 75225-5520  
ATTN: Allen Bangert

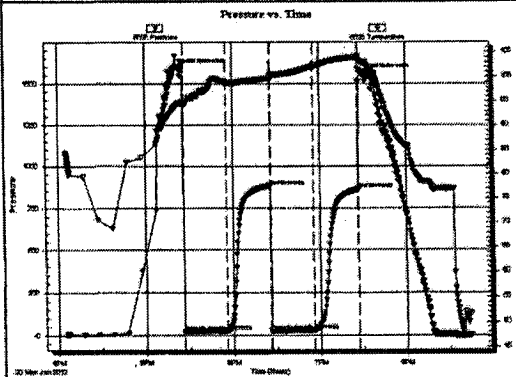
30-18s-14w Barton, KS  
Nordman #1  
Job Ticket: 46833      DST#: 2  
Test Start: 2012.01.30 @ 16:05:23

#### GENERAL INFORMATION:

Formation:	LKC B&C	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock      ft (KB)	Tester:	Ray Schwager & Jim
Time Tool Opened:	17:25:48	Unit No:	42
Time Test Ended:	20:43:47	Reference Elevations:	1926.00 ft (KB)
Interval:	3275.00 ft (KB) To 3299.00 ft (KB) (TVD)		1919.00 ft (CF)
Total Depth:	3299.00 ft (KB) (TVD)	KB to GR/CF:	7.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair

Serial #: 6625	Inside	Capacity:	8000.00 psig
Press@RunDepth:	30.86 psig @ 3276.00 ft (KB)	Last Calib.:	2012.01.30
Start Date:	2012.01.30	End Date:	2012.01.30
Start Time:	16:05:23	End Time:	20:43:47
		Time On Btm:	2012.01.30 @ 17:22:48
		Time Off Btm:	2012.01.30 @ 19:29:48

TEST COMMENT: 30-IFP-VK BL 1/4 to 3/4 in  
30-IFP-No BL  
30-IFP-Surface BL  
30-IFP-NO BL



#### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.86	94.54	Initial Hydro-static
3	19.31	94.00	Open To Flow (1)
33	25.74	98.76	Shut-In (1)
63	883.01	99.64	End Shut-In (1)
63	26.56	99.42	Open To Flow (2)
93	30.86	102.06	Shut-In (2)
124	861.81	103.99	End Shut-In (2)
127	1553.32	102.83	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
20.00	MAN 30% M70% W	0.28

\* Recovery from multiple tests

#### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Mai Oil Operations Inc  
8411 Preston Rd  
Ste 800  
Dallas TX 75225-5520  
ATTN: Allen Bangert

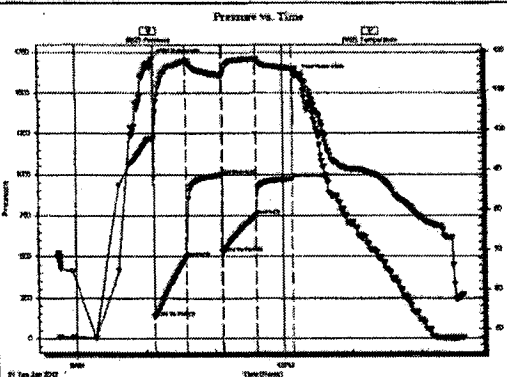
30-18s-14w Barton, KS  
Nordman #1  
Job Ticket: 46834      DST# 3  
Test Start: 2012.01.31 @ 08:45:08

**GENERAL INFORMATION:**

Formation: **LKC H-J**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 10:07:33  
Time Test Ended: 14:37:32  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Ray Schwager**  
Unit No: **42**  
Interval: **3390.00 ft (KB) To 3450.00 ft (KB) (TVD)**  
Total Depth: **3450.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Reference Elevations: **1926.00 ft (KB)**  
**1919.00 ft (CF)**  
KB to GR/CF: **7.00 ft**

**Serial #: 6625**      Inside  
Press@RunDepth: **751.51 psig @ 3394.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2012.01.31**      End Date: **2012.01.31**      Last Calib.: **2012.02.02**  
Start Time: **08:45:08**      End Time: **14:37:32**      Time On Btrt: **2012.01.31 @ 10:07:03**  
Time Off Btrt: **2012.01.31 @ 12:14:03**

**TEST COMMENT:** 30-IFP-STRG BL to Bottom 1 min  
30-ISIP-NO BL  
30-FFP-STRG BL to Bottom 2 min  
30- PSIP-no bl



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1709.16	97.75	Initial Hydro-static
1	131.92	98.09	Open To Flow (1)
29	491.47	117.40	Shut-In (1)
60	894.57	113.65	End Shut-In (1)
61	525.54	114.02	Open To Flow (2)
90	751.51	117.95	Shut-In (2)
121	871.88	115.45	End Shut-In (2)
127	1610.48	113.52	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
315.00	G00M/W 40%G10%O30%W20%M	4.42
620.00	O&GOW 25%G15%O10%M50%W	8.70
248.00	O&GOW 10%G25%O65%W	3.48
248.00	SO&GOW 10%G5%O85%W	3.48
310.00	Water	4.35

**Gas Rates**

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

\* Recovery from multiple tests

TriLOBITE Testing, Inc

Ref. No: 46834

Printed: 2012.02.02 @ 10:35:02



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Mai Oil Operations Inc  
 8411 Preston Rd  
 Ste 800  
 Dallas TX 75225-5520  
 ATTN: Allen Bangert

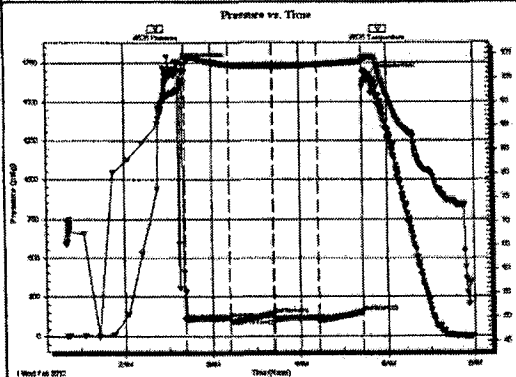
30-18s-14w Barton, KS  
 Nordman #1  
 Job Ticket: 46835 DST#: 4  
 Test Start: 2012.02.01 @ 01:20:41

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstack** ft (KB)  
 Time Tool Opened: 02:41:06  
 Time Test Ended: 05:57:35  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Ray Schwager**  
 Unit No: **42**  
 Interval: **3480.00 ft (KB) To 3550.00 ft (KB) (TVD)**  
 Total Depth: **3550.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Reference Elevations: **1926.00 ft (KB)**  
**1919.00 ft (CF)**  
**KB to GR/CF: 7.00 ft**

Serial #: **6625** Inside  
 Press @ Run Depth: **101.82 psig @ 3485.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.02.01** End Date: **2012.02.01** Last Calib.: **2012.02.01**  
 Start Time: **01:20:41** End Time: **05:57:35** Time On Blm: **2012.02.01 @ 02:36:36**  
 Time Off Blm: **2012.02.01 @ 04:48:06**

TEST COMMENT: 30-IFP-6 in BL  
 30-ISIP-No BL  
 30-FFP-No BL  
 30-FSIP-No BL



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.75	87.49	Initial Hydro-static
5	102.97	101.41	Open To Flow (1)
35	111.57	102.70	Shut-in(1)
65	143.05	102.42	End Shut-in(1)
68	107.94	102.42	Open To Flow (2)
96	101.82	102.77	Shut-in(2)
127	154.98	103.34	End Shut-in(2)
132	1674.14	104.39	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
180.00	Mud	2.52

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (Mscfd)

\* Recovery from multiple tests

Triobite Testing, Inc

Ref. No: 46835

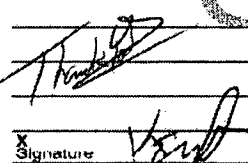
Printed: 2012.02.02 @ 10:34:18

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 456

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-2-12	30	18	14	Barton	Kansas		3:15pm
Lease	Well No.	Location					
Wardman	1	Olmsted 4.5 Fintz					
Contractor	Southwest Drilling Rig 3			Owner			
Type Job	Longstring			To Quality Oilwell Cementing, Inc.			
Hole Size	7 7/8			You are hereby requested to rent cementing equipment and furnish cementer, and helper, to assist owner or contractor, to do work as listed.			
Csg.	5 1/2	14 1/2	Depth	Charge To			
			3621	Main Oil Operations			
Tbg. Size	Depth			Street			
				City			
Tool	Depth			State			
Cement Left in Csg.	23	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
		23'					
Meas Line	Displace		Cement Amount Ordered				
	87 3/8		160 gal 10% Salt				
<b>EQUIPMENT</b>				260 gal 4 1/2 Fl Seal per sk 1000 gal Mud CLR 48			
Pumptrk	No.	Cementer	Common				
5		Steve	96				
Bulktrk	No.	Driver	Poz. Mix				
3		Brad	64				
Bulktrk	No.	Driver	Gel.				
		Jason	3				
<b>JOB SERVICES &amp; REMARKS</b>				Calcium			
Remarks:				Hulls			
Rat Hole				Salt			
305x				14			
Mouse Hole				Flowseal			
				40#			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
				1000 Gal			
D/W or Port Collar				CFL-117 or CD110 CAF 38			
				Sand			
Land plug @ 1300 PSI				Handling			
				177			
Float Hold				Mileage			
<b>FLOAT EQUIPMENT</b>				Guide Shoe			
				Centralizer			
				10 Turbos			
Baskets				AFU Inserts			
				Float Shoe			
				1			
Latch Down				1			
				Pumptrk Charge			
				prod Long String			
				Mileage			
				11			
Signature: 				Tax			
				Discount			
				Total Charge			

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 357

Date	1-26-12	Sec.	30	Twp.	18	Range	14	County	BARTON	State	KANSAS	On Location		Finish	7:00 pm
Lease	NORMAN		Well No.	1		Location									
Contractor						SOUTHWOOD #3									
Type Job						L. SURFACE									
Hole Size						12 1/4									
Csg.						8 7/8									
Tbg. Size						902									
Tool						Depth									
Cement Left in Csg.						Shoe Joint 40'									
Meas Line						Displace 54 1/2									
Owner						MAT OIL OPERATIONS									
Charge To						MAT OIL OPERATIONS									
Street						8411 PRESTON RD. STE 800									
City						DALLAS									
State						TX 75225									
The above was done to satisfaction and supervision of owner agent or contractor.															
Cement Amount Ordered						350 SKS 64 40-37000-2%									

### EQUIPMENT

Pumptrk	15	No.	Cementor/Helper	CLSD	Common	210
Bulktrk	13	No.	Driver	MACHICAL	Poz. Mix	140
Bulktrk	P/U	No.	Driver	RECK	Gel.	7
					Calcium	13

### JOB SERVICES & REMARKS

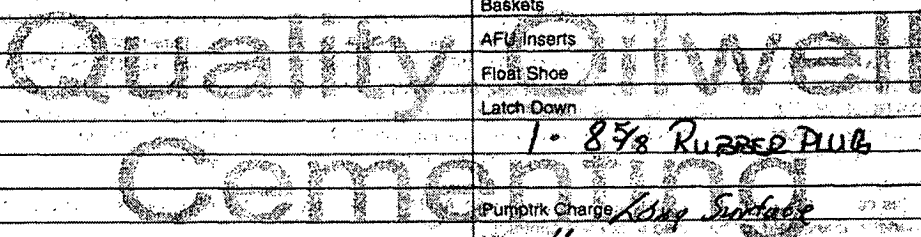
Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand

CEMENT DID NOT CIRCULATE

Handling 370

### FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	1 - 8 7/8 RUBBER PLUG
Pumptrk Charge	Using Surface
Mileage	//



Signature	<i>[Handwritten Signature]</i>	Tax	
		Discount	
		Total Charge	

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 17, 2012

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

Re: ACO-1  
API 15-009-25644-00-00  
Nordman 1  
NW/4 Sec.30-18S-14W  
Barton County, Kansas

Dear Allen Bangert:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 01/24/2012 and the ACO-1 was received on July 16, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department