



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

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1087583

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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				

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Nordman 1
Doc ID	1087583

Tops

Name	Top	Datum
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**

3256-3262' 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

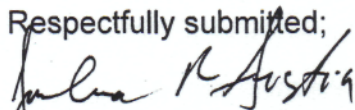
3600-3631' Dolomite; as above, slightly cherty, no shows.

<b>Rotary Total Depth</b>	<b>3630</b>
<b>Log Total Depth</b>	<b>3631</b>

**Recommendations:**

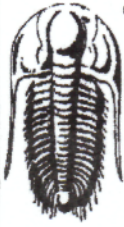
5 1/2" production casing was set and cemented.

Respectfully submitted;



Joshua R. Austin,  
Petroleum Geologist





**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: 46832 **DST#: 1**  
 Test Start: 2012.01.30 @ 04:46:02

**GENERAL INFORMATION:**

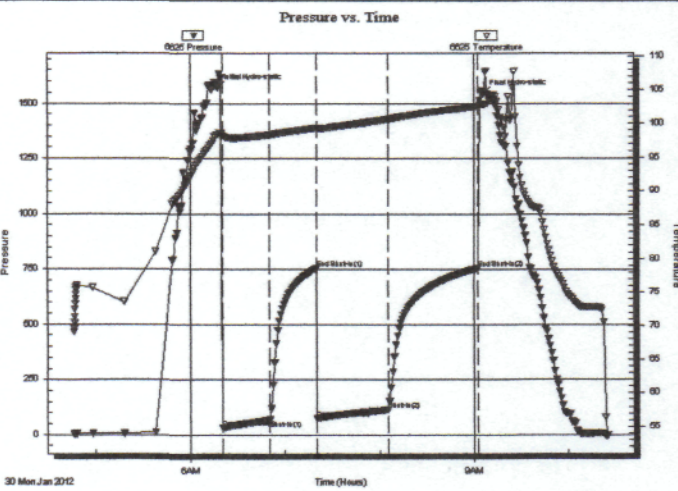
Formation: **LKC A**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 06:20:27  
 Time Test Ended: 10:24:56  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Ray Schwager**  
 Unit No: **42**  
 Interval: **3252.00 ft (KB) To 3268.00 ft (KB) (TVD)**  
 Total Depth: **3268.00 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: **113.91 psig @ 3253.00 ft (KB)** Capacity: **8000.00 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 Btm: **2012.01.30 @ 06:17:27**  
 Time Off Btm: **2012.01.30 @ 09:05:56**

**TEST COMMENT:** 30-IFP-WK to STRG BL 19 min  
 30-ISIP-No BL  
 45-FFP-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	76.19	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

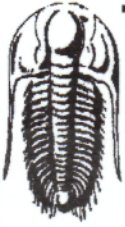
**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	60' GIP	0.00
5.00	CO	0.07
186.00	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  
 Ste 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:**

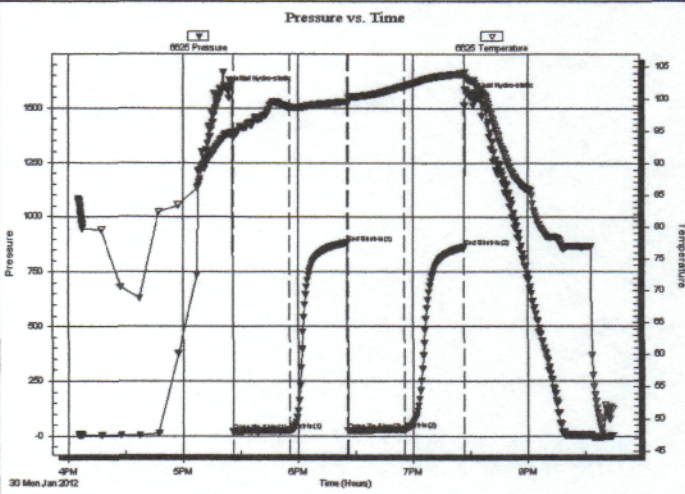
Formation: **LKC B&C**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 17:25:48  
 Time Test Ended: 20:43:47  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Ray Schwager & Jim**  
 Unit No: **42**  
 Interval: **3275.00 ft (KB) To 3299.00 ft (KB) (TVD)**  
 Total Depth: **3299.00 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: **30.86 psig @ 3276.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.01.30** End Date: **2012.01.30** Last Calib.: **2012.01.30**  
 Start Time: **16:05:23** End Time: **20:43:47** Time On Btmr: **2012.01.30 @ 17:22:48**  
 Time Off Btmr: **2012.01.30 @ 19:29:48**

**TEST COMMENT:** 30-IFP-WK BL 1/4 to 3/4 in  
 30-ISIP-No BL  
 30-FFP-Surface BL  
 30-FSIP-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	102.93	Final Hydro-static

**Recovery**

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

\* Recovery from multiple tests

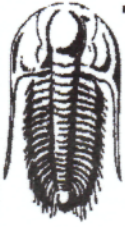
**Gas Rates**

	Choke (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: 46835 **DST#: 4**  
Test Start: 2012.02.01 @ 01:20:41

**GENERAL INFORMATION:**

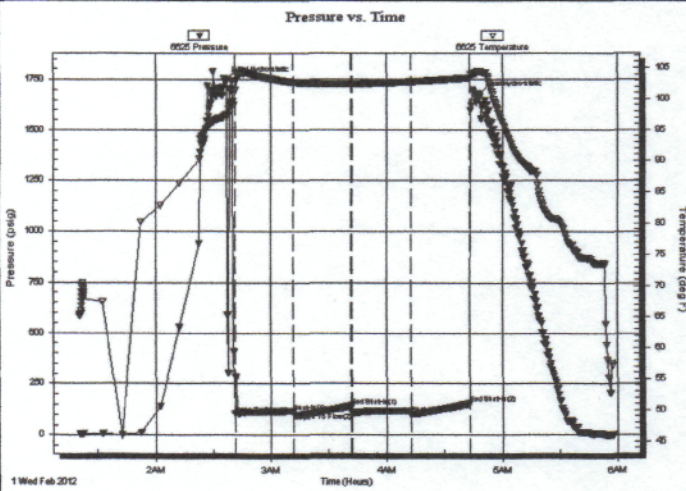
Formation: **Arbuckle**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 02:41:06  
Time Test Ended: 05:57:35  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Ray Schwager**  
Unit No: **42**  
Interval: **3480.00 ft (KB) To 3550.00 ft (KB) (TVD)**  
Total Depth: **3550.00 ft (KB) (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@RunDepth: **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 Btm: **2012.02.01 @ 02:36:36**  
Time Off Btm: **2012.02.01 @ 04:48:06**

**TEST COMMENT:** 30-IFP-5 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	97.49	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)
66	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

\* Recovery from multiple tests

**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. 456

Date <u>2-2-12</u>	Sec. <u>30</u>	Twp. <u>18</u>	Range <u>14</u>	County <u>Barton</u>	State <u>Kansas</u>	On Location	Finish <u>3:15pm</u>
Lease <u>Woodman</u>	Well No. <u>1</u>	Location <u>Olmits 4 1/2 S Finto</u>					
Contractor <u>Southwind Drilling Rig 3</u>	Owner			To Quality Oilwell Cementing, Inc.			
Type Job <u>Longstring</u>	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 <u>7 7/8</u>	T.D. <u>3621</u>	Charge To <u>Main Oil Operations</u>					
Csg. <u>5 1/2 14B</u>	Depth <u>3621</u>	Street					
Tbg. Size	Depth	City					
Tool	Depth	State					
Cement Left in Csg. <u>23'</u>	Shoe Joint <u>23'</u>	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line	Displace <u>87 3/4 Bbl</u>	Cement Amount Ordered <u>160 gal 10% Salt</u>					
<b>EQUIPMENT</b>				<u>2 1/2 gal 3/16 Flo Seal per sk 1000 gal Mud Clear 48</u>			
Pumptrk <u>5</u>	No. Cementer <u>Steve</u>	Common <u>96</u>					
Bulktrk <u>3</u>	No. Driver <u>Brett</u>	Poz. Mix <u>64</u>					
Bulktrk	No. Driver <u>Jason</u>	Gel. <u>3</u>					
<b>JOB SERVICES &amp; REMARKS</b>				Calcium			
Remarks:	Hulls						
Rat Hole <u>30sx</u>	Salt <u>14</u>						
Mouse Hole	Flowseal <u>40#</u>						
Centralizers	Kol-Seal						
Baskets	Mud CLR 48 <u>1000 gal</u>						
D/V or Port Collar	CFL-117 or CD110 CAF 38						
	Sand						
<u>Land plug @ 1300 psi</u>	Handling <u>177</u>						
<u>Float Held</u>	Mileage						
				<b>FLOAT EQUIPMENT</b>			
				Guide Shoe			
				Centralizer <u>10 Turbas</u>			
				Baskets			
				AFU Inserts			
				Float Shoe <u>1</u>			
				Latch Down <u>1</u>			
				Pumptrk Charge <u>prod Long String</u>			
				Mileage <u>11</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>[Signature]</u>							



# 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. 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						SOUTHWIND #3									
Type Job						L. SURFACE									
Hole Size						12 1/4									
Csg.						8 5/8									
Tbg. Size															
Tool															
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 6% 40 - 3% occ. - 2%									

**EQUIPMENT**

Pumptrk	15	No.	Cementer		Common	210
			Helper	CISCO		
Bulktrk	13	No.	Driver	MICHAEL	Poz. Mix	140
			Driver			
Bulktrk	P/U	No.	Driver	RECK	Gel.	7
			Driver			

**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

**CEMENT DID NOT CIRCULATE**

Sand	
Handling	370
Mileage	

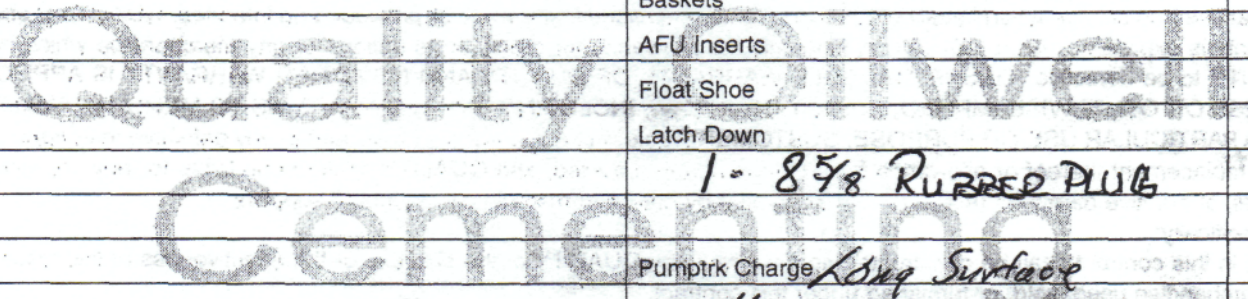
**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

**1 - 8 5/8 RUBBER PLUG**

Pumptrk Charge	Long Surface
Mileage	//

	Tax
	Discount
X Signature	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