Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1153343

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 # 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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

04/26/2013	05/04/2013	05/04/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23876-00-00
Spot Description:
NE - SE - NW - SW Sec. 14 Twp. 15 S. R. 14 ☐ East ☑ West
1910 Feet from ☐ North / ☑ South Line of Section
1270 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Russell
Lease Name: Kramer 'A' Well #: 6
Field Name:
Producing Formation: Lansing
Elevation: Ground: 1893 Kelly Bushing: 1901
Total Vertical Depth: 3410 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 511 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: 65000 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: Kramer "A" License #: 5259
Quarter SW Sec. 14 Twp. 15 S. R. 14 ☐ East ☑ West
County: Russell Permit #: D3736

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: 07/29/2013
☑ **Confidential Release Date:** 07/29/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 08/01/2013

1153343

Operator Name: Mai Oil Operations, Inc. Lease Name: Kramer 'A' Well #: 6

Sec. 14 Twp. 15 S. R. 14 ☐ East ☑ West County: Russell

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

CNDL
DIL
Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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	511	60-40 POZ	250	2% gel, 3% CC
Production	7.875	5.5	14	3408	60-40 POZ	200	

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	-			
	-			

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 *(Amount and Kind of Material Used)*	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Kramer 'A' 6
Doc ID	1153343

Tops

Name	Top	Datum
Anhydrite	887	+1014
Tarkio Lime	2525	-624
Topeka	2795	-895
Heebner	3020	-1119
Toronto	3036	-1135
Lansing	3072	-1171
Base Kansas City	3292	-1391
Arbuckle	3336	-1436

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

Kansas
Corporation Commission

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

July 29, 2013

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

Re: ACO1
API 15-167-23876-00-00
Kramer 'A' 6
SW/4 Sec.14-15S-14W
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
Office (620) 588-4250 — 212 Main St. • P.O. Box 215 • Claflin, KS 67525 — Home (620) 587-3444

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Mai Oil Operations
LEASE Kramer "A" #6
FIELD Trapp
LOCATION NE-SE-NW-SW (1910' FSL & 1270' FWL)
SEC 14 TWSP 15s RGE 14w
COUNTY Russell STATE KS
CONTRACTOR Southwind Drilling Co. Rig 3
SPUD 4-26-2013 COMP 5-4-2013
RTD 3410 LTD 3410
MUD UP 2200 TYPE MUD Chemical

ELEVATIONS
KB 1901
DF
GL 1893
Measurements Are All From

CASING
SURFACE 8⅝" @ 513
PRODUCTION 5½" @ 3409'

ELECTRICAL SURVEYS
Nabors Completion
DIL, CO/CL, micro

SAMPLES SAVED FROM 2300 TO
DRILLING TIME KEPT FROM 2300 TO
SAMPLES EXAMINED FROM 2300 TO
GEOLOGICAL SUPERVISION FROM 2300 TO
RTD
GEOLOGIST ON WELL Wyatt Urban

FORMATION TOPS	LOG		SAMPLES		
Anhydrite	887	+1014	Toronto	3036	-1135
Base Anhydrite	921	+980	Lansing	3072	-1171
Sand Haven	2452	-551	Base Kansas City	3292	-1391 (Mai)
ft Tarkio Sand	2461	-560	Conglomerate	3320	-1419
Cover	2476	-575	Arbuckle	3336	-1436
rd Tarkio Sand	2484	-583	RTD	3410	
Tarkio Lime	2525	-624	LTD	3410	
Emmt	2586	-685			
Howard	2724	-823			
Topeka	2795	-895			
Deebner	3020	-1119			

REMARKS

See typed report for recommendations.

Respectfully Submitted
Wyatt Urban
Petroleum Geologist

LEGEND
Dolomite
Chert
Ool. Lime
Limestone
Carb sh
Shale
Sandstone
Salt
Anhydrite

DRILLING TIME
(Logarithmic Scale)

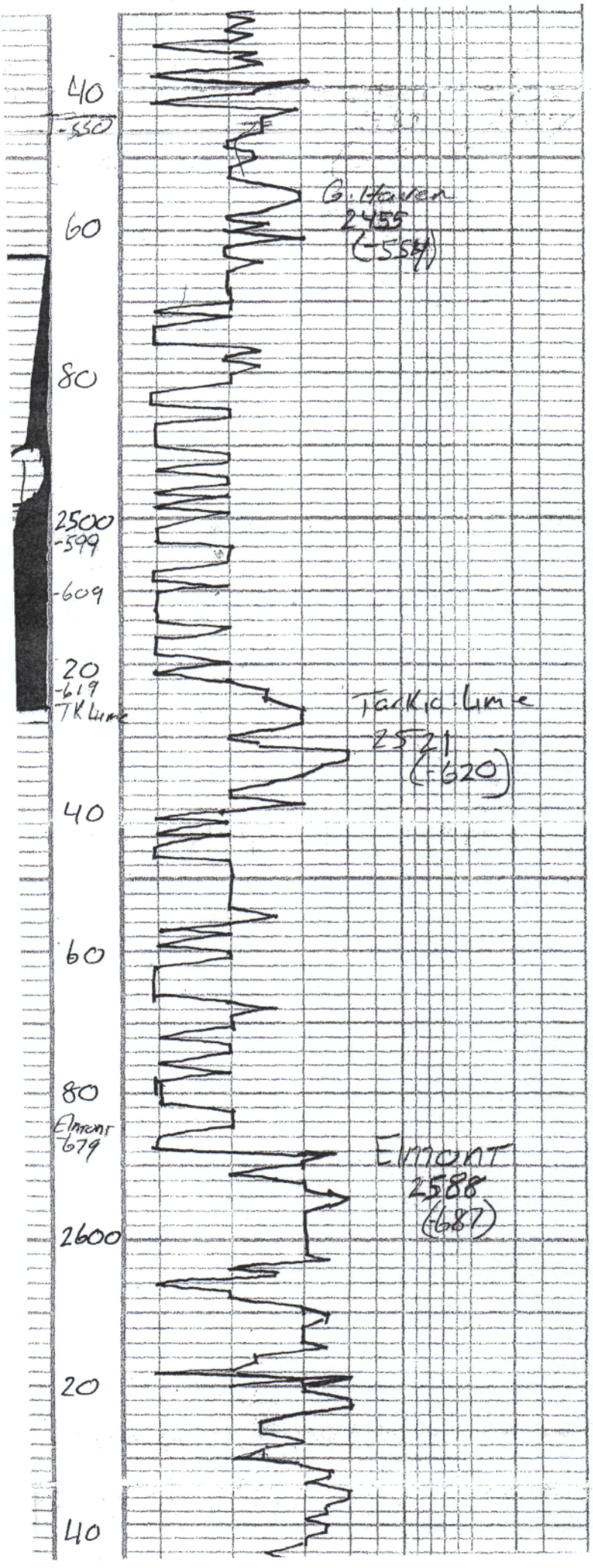
DEPTH

LITHOLOGY

LEGEND

Anhydrite | Salt | Sandstone | Shale | Carb sh | Limestone | Ool.Lime | Chert | Dolomite

LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale) .5 1 2 3 4 5 10 15 20 30	SAMPLE DESCRIPTIONS	REMARKS
	20		L.S. Tan, Crm, FXL, Dns.	
	40		L.S. Tan, Crm, FXL, Foss, Dns.	
	60		Sh. gry Silty	KB- 1901'
	80		Sh, gry, greenish, soft.	
	2400 -499		Sh. gry soft.	
	20 Gallpt		L.S. Gry FXL Δ'y Dns	Tank Sample
	40 -550		Sd. Tan F.grain, Well Sorted No stn.	
		G. Haven 2455	L.S. Sh Tan, FXL Dns Tr C Sta. No Odor, NSFO	
	60			



Sd. Tan F. grain, Well Sorted
No stn.

Sample

L.S. Tan, Fxl Dns
Trc Stn. No odor, NSFO

L.S. Tan, FXL, Foss, Δ'y

Sh. gry., Soft.

Sd. gry F-grain, trc SFO, No odor

Sd. gry, Angular clast, F-M grain
Lt. Brn Stn, SFO, ~~odor~~ good odor
When Broken.

L.S. Tan, Brn, FXL, Foss, Trc
Stn, NSFO, No odor.

Sh. gry, silty, soft.

Sh. gry silty,

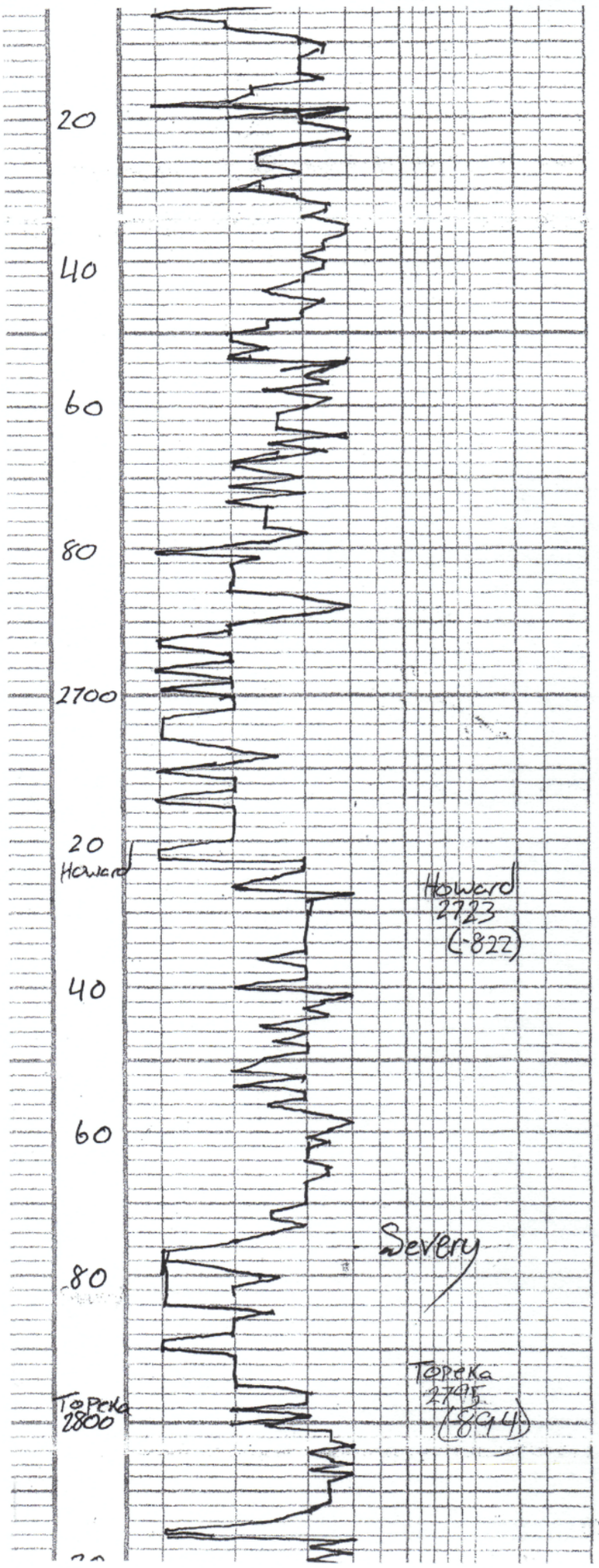
Sd. gry f. grain well sorted
No Stn, NSFO No odor

L.S. tan, Fxl, Dns, Δ'y
Few Foss, No Stn.

L.S. Wht, Crm, FXL, Dns, Chlky
Few Foss, trc Stn.

L.S. gry, FXL, Dns, Δ'y, No Stn
NSFO, No odor

DST #1 2462-2576
30 · 30 · 30 · 3(
Blow; Weak
Recovery
124' WM w/ SO
(50% Water, 50% muc
15' WM w/ SO
(20% Water, 80% mu
Pressures;
ISIP-677
FSIP-643
IFP-29-64
FFP-69-89
HSH-1176-1160



L.S. Wht, crm, FXL, Dns, Chlky
Few Foss, trc stn.

L.S. gry, FXL, Dns, Δ'y, No stn
NSFO, No odor

L.S. Tan, brn, FXL, Dns,
Trc Spty brn stn, NSFO,

Sh. gry

L.S. Tan, crm, V. Chalky
Few Foss, Trc ~~stnf~~ brn stn.
NSFO, No odor

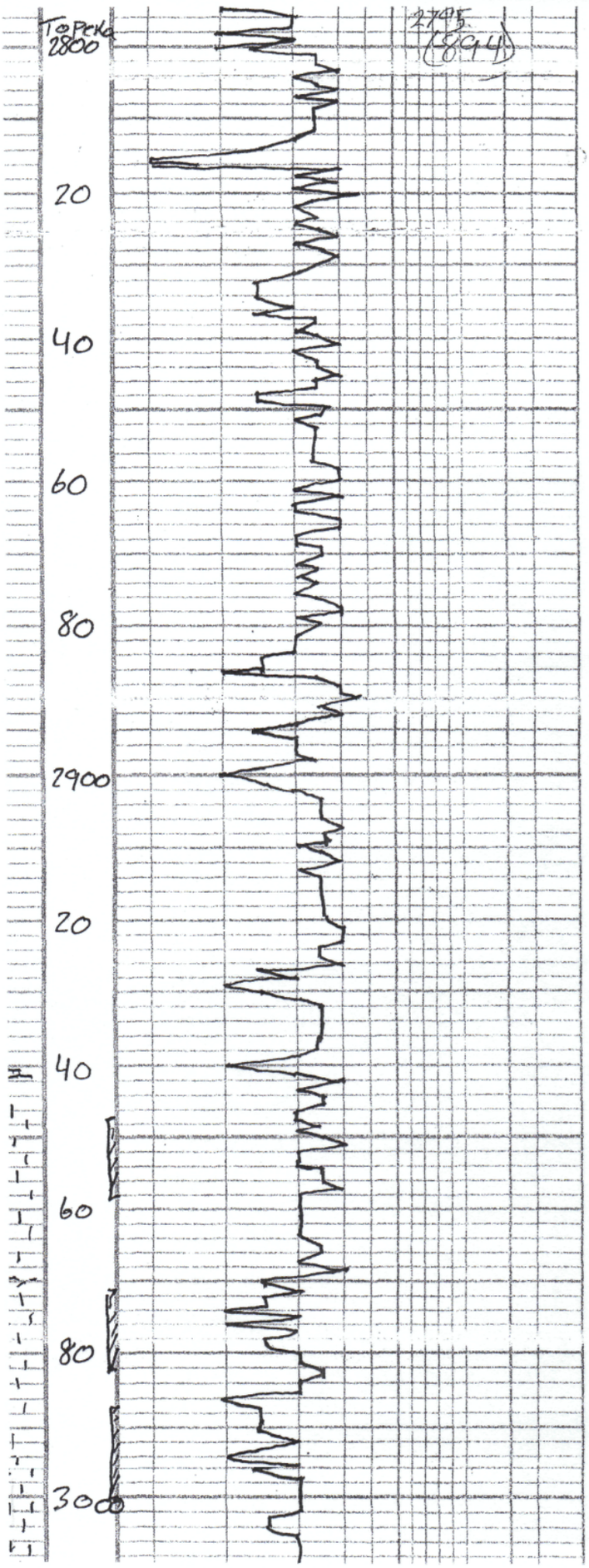
Sh. gry silty

L.S. Tan, brn, Chlky, Foss, No
~~trc~~ stn, Poor vis Φ

L.S. tan, FXL, Few Foss, Δ'y
Poor vis Φ, No stn.

Sh. gry, blk, silty

L.S. Tan, gry, FXL, Foss,
Poor vis Φ, NO stn, No odor



L.S. Tan, Gry, FXL, Foss, Poor Vis ϕ, NO Stn, No odor

L.S. tan, FXL, Chlky, trc Spty brn stn. NSFO, No odor

L.S. Tan, buff, FXL, Foss trc stn, Poor Vis ϕ, NSFO

L.S. Gry. FXL, Foss, Poor vis ϕ NO Stn, NSFO.

L.S. tan, V. Chlky, Trc Stn brn, NSFO, NO odor,

L.S, Tan, Wht, FXL, Dly, Dns Poor Vis ϕ, No Stn, NSFO.

L.S. Tan, FXL, Dly, No Stn.

Sh. gry silty

blk carb sh

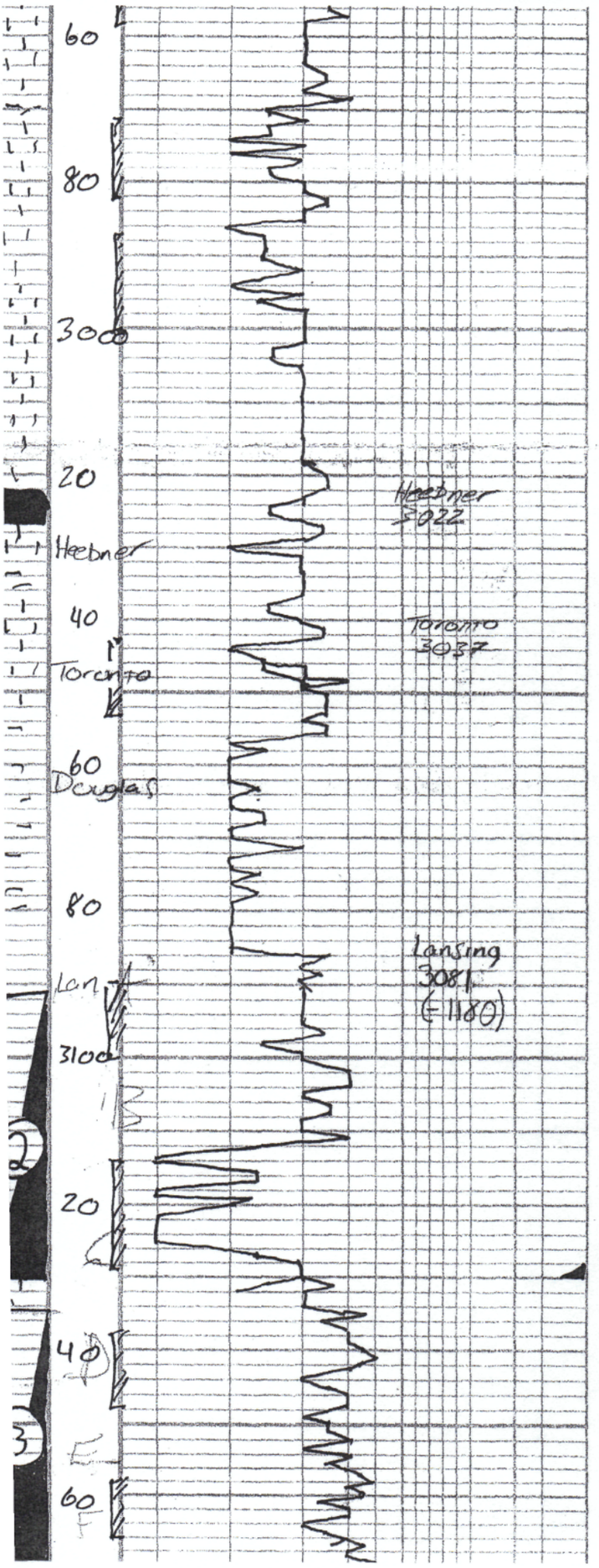
L.S. tan, FXL, Foss, Poor vis ϕ trc Stn. NSFO, No odor

1901' KB

L.S. Crm, Tan, V. Chalky, Foss, NSFO, trc blk Stn. No odor

L.S. tan, FXL, Scatt ϕ, Lt. Brn Stn, NSFO, Ft. odor

L.S. tan, ~~Mottled~~ Scatt ϕ, FXL, Chalky/ Sdy, trc Stn, Ft. odor NSFO.



1901' KB

L.S. Crm, Tan, Vi Chalky, Foss, NSFO, trc blk stn. No odor

L.S. tan, FXL, Scatt ϕ, Lt. Brn Stn, NSFO, Ft. odor

L.S. tan, ~~Mr. ϕ~~ Scatt ϕ, PAXL, Chalky/ Sdy, trc Stn, Ft odor NSFO.

L.S. gry & tan, fXL, Foss, Poor Vis ϕ, Trc Stn brn, NSFO, odor ???

Heebner 3022

Blk Carb Sh.

L.S. Tan, FXL, Δ'y Dns, No stn.

Toronto 3037

Sh. gry Silty

L.S. tan, FXL, Poor Scatt ϕ Trc. SFO, trc brn stn, Fr. odor

Sh. red, gry, greenish. Silty

Lansing 3081 (-1180)

L.S. Tan FXL, Δ'y, Lt. Brn trc Stn. Ft. odor, Poor vis ϕ, NSFO

DST #2 3091-3136
30 · 30 · 30 · 30
Blow; BOB 1½ min

L.S., tan, FXL, Poor Scatt ϕ, trc SFO, trc Stn. odor ???

L.S. tan, FXL, Fr Scatt ϕ, Dns SFO, Fr odor

L.S. Tan, Com, Good Vuggy ϕ SFO, Strong odor, Stn brn,

Recovery
GTS on bleed off
124' muddy Water (98% W, 2% mud,
372' Gassy Water cut O (20% G, 70% O, 10% W
45' GSOCM (15% G, 5% O, 80% M

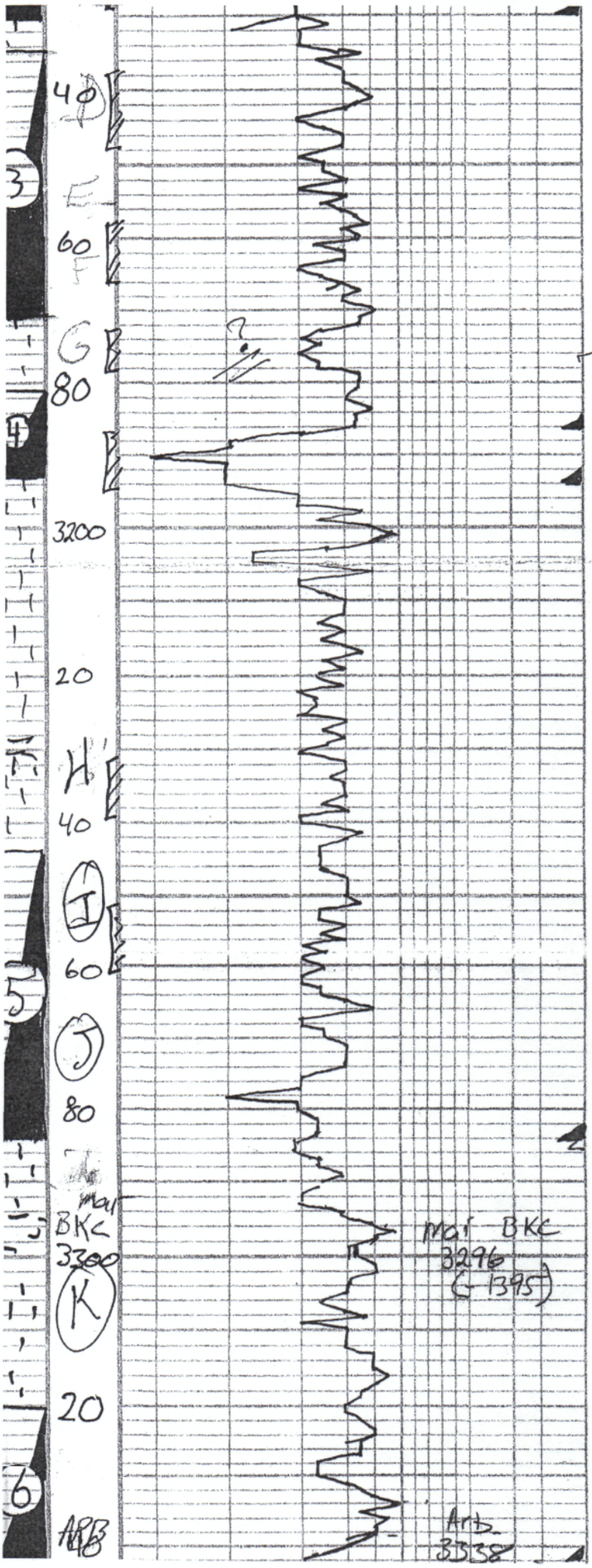
L.S. Tan, FXL, Poor Scatt ϕ, Trc SFO, Brn Stn, Ft. odor

Pressures
ISIP; 516
FSIP; 503
IFP, 50-169
FFP, 176-241
HSH, 1580-1538

L.S. Tan, OOl, FXL, Poor Vis ϕ, Poor Vis ϕ, SFO, Fr. odor, Lt Stn.

DST #3 3134-3168
30 · 30 · 45 · 45
Blow; Weak

L.S. gry, tan, FXL, Foss, Fr. Scatt ϕ, SFO, brn Stn, Fr odor



(15% G, 5% O, 80% M,

Pressures
ISIP- 516
FSIP, 503
IFP, 50-169
FFP, 176-241
HSH, 1580-1538

L.S. Tan, FXL, Poor Scatt Φ, Trc SFO, Brn Stn, Ft. odor

L.S. Tan, OOl, FXL, Poor Vis Φ, Poor Vis Φ, SFO, Fr. odor, Lt Stn.

DST #3 3134-3168
30 · 30 · 45 · 45
Blow; Weak
Recovery
62' WM (20% W, 80% M
15' SOCWM
(5% Oil, 5% W, 90% M)
2' Clean Oil
Pressures
ISIP- 392
FSIP - 387
IFP - 16-31
FFP-33-49
HSH - 1577-1553

L.S. i gry, tan, FXL, Foss, Fr. Scatt Φ, SFO, brn Stn, Fr. odor

L.S. Tan FXL Foss, Poor Vis Φ Trc SFO, Ft. odor, Chlky (few oom/soy

L.S. Tan, oom, Chalky, good oom Φ, SFO, Fr. Odor, Brn Stn.

L.S. Tan, oom, good vuggy Φ NSFO, No Stn, Ft. odor??

L.S. Tan, FXL, Dns, Chlky, Foss, Poor Vis Φ, Trc SFO, Fr. odor Brn Stn.

DST #4 3181-3193
30 · 30 · 15 · 65
Blow; Weak
Recovery
15' WM (5% Water, 95%
Pressures
ISIP, 397
FSIP, 292
IFP, 18-20
FFP, 21-23
HSH, 1619-1577

L.S. tan, gry, FXL, Δ'y, Poor Vis Φ, NO Stn, NSFO,

L.S. Brn, FXL, Few Foss, Δ'y No Stn, NSFO, Ft. odor

DST #5 3244-3284
30 · 30 · 45 · 45
Blow, Weak (8" blow)
Recovery
62' SOCMW
(10% Oil, 50% Water, 40%
45' GHOCWM
(20% Gas, 50% Oil, 10% W
20% mud
Pressures
ISIP 447
FSIP 441
IFP 34-51
FFP 55-76
HSH 1671-1607

L.S. Tan, FXL, Fr. Vis Φ, SFO Lt. Brn Stn, good odor,

L.S. Tan, oom, good oom Φ SFO, Strong odor, brn Stn.

L.S. Tan, FXL, Dns, Δ'y Lt. Brn Stn, odor ??

Sh. gry silty mic.

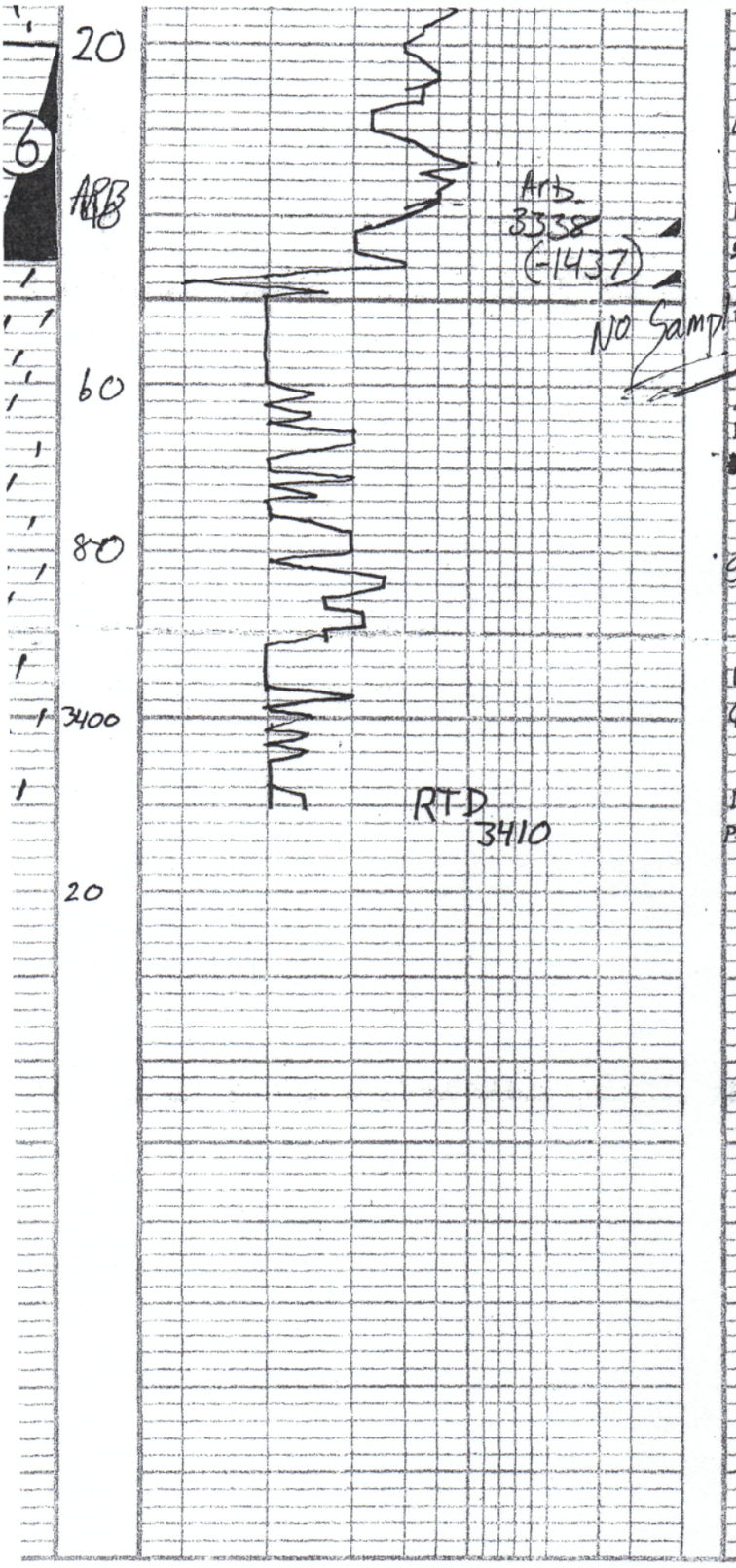
L.S. tan, FXL, Few Foss, NO Stn, No odor., NSFO.

DST #6 3321-3345
30 · 30 · 30 · 30
BLOW: BOB Instantly
Recovery
?? 124' GMW
(5% Gas, 70% Water, 25

L.S. Tan, FXL, Few Foss Poor Scatt Φ, trc SFO, odor

Dol Wht, Gry, FXL, Poor Vis Φ

1860' GSOCM
(5% Gas, 5%



L.S. tan, FXL, Few Foss, NO stn, NO odor., NSFO.

L.S. Tan, FXL, Few Foss Poor Scatt Φ, trc sfo, odor

Dol. Wht, Gry., FXL, Poor Vis Φ sfo, FR. odor,

NO Samples Collected

Dol Wht FXL, Poor IXLN Φ [redacted] stn, Ft. odor, sfo

Dol. Wht, gry, MXL, Rhombic, Med good IXLN Φ, sfo, good odor

Dol. Wht. Gry, FXL, Poor IXLN Φ, Trc Brn stn, Ft. odor, NSFO.

Dol, Wht, F.XL, trc QTZ, Poor Vis Φ, No stn,

DST #6 3321-3345
30 · 30 · 30 · 30
BIOW; BOB Instantly
Recovery
?? 124' GMW
(5% Gas, 70% Water, 25
1860' GSOCM
(5% Gas, 5% Oil, 90% Wat
496' GWM
(10% Gas, 5% Water, 95

Pressures
ISIP 1095
FSIP 1097
IFP 493-1050
FFP 1052-1095
HSH 1659-1613

DRILL STEM TEST REPORT

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 52181 **DST#: 1**

Test Start: 2013.04.29 @ 11:26:00

GENERAL INFORMATION:

Formation: **Tarkio Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:01:00
Time Test Ended: 16:15:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 59

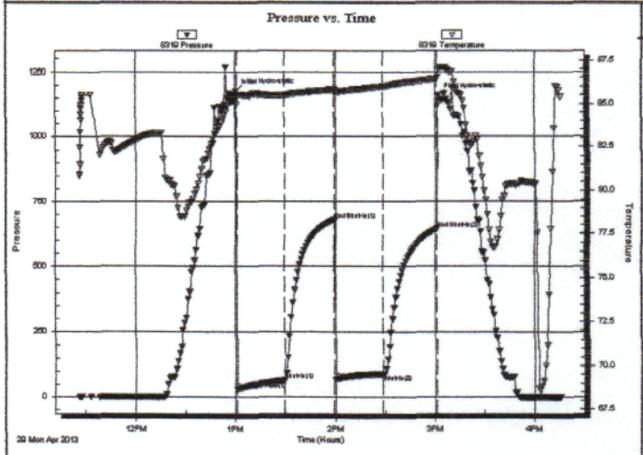
Interval: 2462.00 ft (KB) To 2526.00 ft (KB) (TVD)
Total Depth: 2526.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 89.94 psig @ 2501.00 ft (KB)
Start Date: 2013.04.29 End Date: 2013.04.29
Start Time: 11:26:05 End Time: 16:15:29

Capacity: 8000.00 psig
Last Calib.: 2013.04.29
Time On Btm: 2013.04.29 @ 13:00:30
Time Off Btm: 2013.04.29 @ 15:02:00

TEST COMMENT: 30 - IF- 2" blow
30 - ISI- No return
30 - FF- 1 1/2" blow
30 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1176.68	85.35	Initial Hydro-static
1	29.54	84.95	Open To Flow (1)
29	64.95	85.46	Shut-In(1)
59	677.88	85.80	End Shut-In(1)
60	69.13	85.67	Open To Flow (2)
88	89.94	85.97	Shut-In(2)
121	643.84	86.41	End Shut-In(2)
122	1160.12	86.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	WM, 50%W, 50%M - Show of Oil	0.61
15.00	WM, 20%W, 80%M - Show of oil	0.21

Gas Rates

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

DRILL STEM TEST REPORT

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 521182 **DST#: 2**

Test Start: 2013.04.30 @ 18:33:00

GENERAL INFORMATION:

Formation: **Lansing "A-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:20:30
Time Test Ended: 00:30:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59

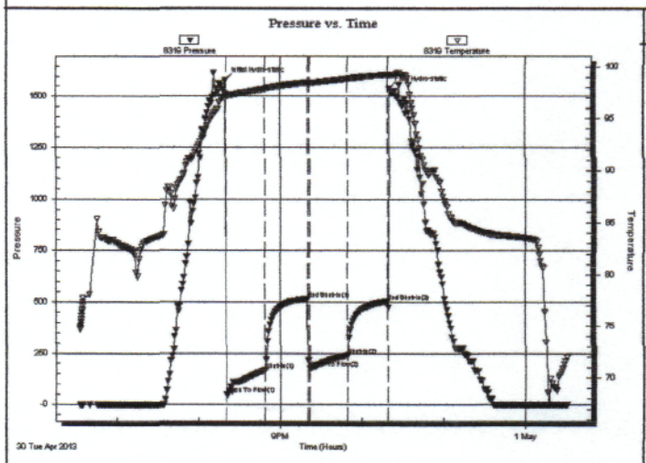
Interval: 3091.00 ft (KB) To 3130.00 ft (KB) (TVD)
Total Depth: 3130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 241.75 psig @ 3097.00 ft (KB)
Start Date: 2013.04.30 End Date: 2013.05.01
Start Time: 18:33:05 End Time: 00:30:29

Capacity: 8000.00 psig
Last Calib.: 2013.05.01
Time On Btm: 2013.04.30 @ 20:20:00
Time Off Btm: 2013.04.30 @ 22:20:30

TEST COMMENT: 30 - IF- B.O.B. in 1 Minute
30 - ISI- 5" return
30 - FF- B.O.B. in 1 1/2 Minutes
30 - FSI- G.T.S. on bleed off, 9" return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.36	97.40	Initial Hydro-static
1	50.06	97.12	Open To Flow (1)
29	169.73	97.87	Shut-In(1)
60	516.37	98.50	End Shut-In(1)
62	176.21	98.43	Open To Flow (2)
90	241.75	98.85	Shut-In(2)
119	503.97	99.27	End Shut-In(2)
121	1538.26	99.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW, 2%M, 98%W	1.74
372.00	GWCO, 10%W, 20%G, 70%O	5.22
45.00	GSOCM, 5%O, 15%G, 80%M	0.63
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 52183 **DST#: 3**

Test Start: 2013.05.01 @ 07:08:00

GENERAL INFORMATION:

Formation: **D,E,F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:28:00
Time Test Ended: 12:18:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59

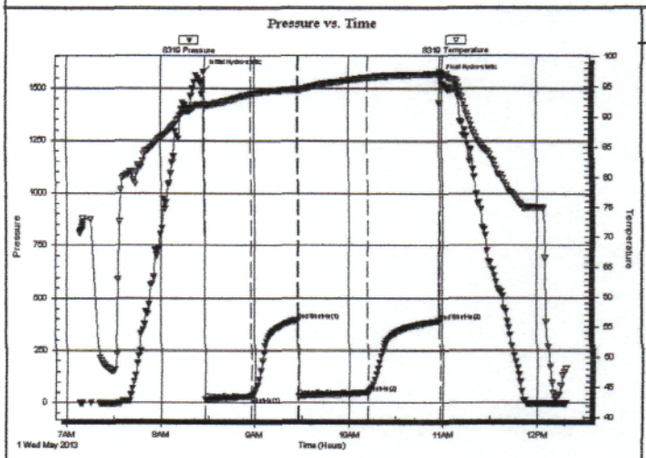
Interval: 3134.00 ft (KB) To 3168.00 ft (KB) (TVD)
Total Depth: 3168.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 49.54 psig @ 3136.00 ft (KB)
Start Date: 2013.05.01 End Date: 2013.05.01
Start Time: 07:08:05 End Time: 12:18:29

Capacity: 8000.00 psig
Last Calib.: 2013.05.01
Time On Btm: 2013.05.01 @ 08:27:30
Time Off Btm: 2013.05.01 @ 10:59:00

TEST COMMENT: 30 - IF-3" blow
30 - ISI- No return
45 - FF- 2" blow
45 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.50	92.18	Initial Hydro-static
1	16.19	91.85	Open To Flow (1)
30	31.30	93.69	Shut-In(1)
60	392.45	94.56	End Shut-In(1)
61	33.74	94.48	Open To Flow (2)
105	49.54	96.49	Shut-In(2)
151	387.96	97.18	End Shut-In(2)
152	1553.55	97.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 20%W, 80%M	0.87
15.00	SOCWM, 5%O, 5%W, 90%M	0.21
2.00	Free Oil, 100%O	0.03

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 52184 **DST#: 4**

Test Start: 2013.05.01 @ 19:48:00

GENERAL INFORMATION:

Formation: G
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:01:30
Time Test Ended: 23:55:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59

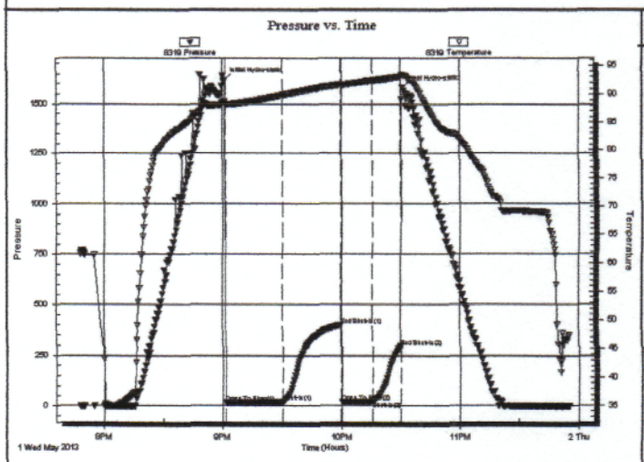
Interval: 3181.00 ft (KB) To 3193.00 ft (KB) (TVD)
Total Depth: 3193.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 23.35 psig @ 3182.00 ft (KB)
Start Date: 2013.05.01 End Date: 2013.05.01
Start Time: 19:48:05 End Time: 23:55:30

Capacity: 8000.00 psig
Last Calib.: 2013.05.02
Time On Btm: 2013.05.01 @ 21:01:00
Time Off Btm: 2013.05.01 @ 22:31:00

TEST COMMENT: 30 - IF- 2" blow
30 - ISI- No return
15 - FF- opened tool, bubbled 2 times and died
15 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.07	88.58	Initial Hydro-static
1	18.28	88.22	Open To Flow (1)
29	20.70	89.77	Shut-In(1)
59	397.50	91.68	End Shut-In(1)
59	21.51	91.59	Open To Flow (2)
75	23.35	92.33	Shut-In(2)
89	292.82	93.07	End Shut-In(2)
90	1577.77	93.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WM, 5%W, 95%M	0.21

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 52185 **DST#: 5**

Test Start: 2013.05.02 @ 09:02:00

GENERAL INFORMATION:

Formation: **H,I,J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:52:30
Time Test Ended: 14:37:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59

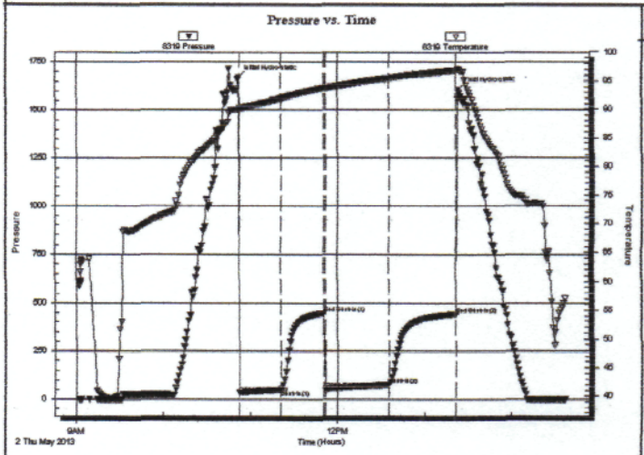
Interval: 3244.00 ft (KB) To 3284.00 ft (KB) (TVD)
Total Depth: 3284.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 76.61 psig @ 3281.00 ft (KB)
Start Date: 2013.05.02 End Date: 2013.05.02
Start Time: 09:02:05 End Time: 14:36:59

Capacity: 8000.00 psig
Last Calib.: 2013.05.02
Time On Btm: 2013.05.02 @ 10:52:00
Time Off Btm: 2013.05.02 @ 13:23:00

TEST COMMENT: 30 - IF- 8" Blow
30 - ISI- No return
45 - FF- 8" blow
45 - FSI- Surface return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.16	90.20	Initial Hydro-static
1	34.14	89.96	Open To Flow (1)
29	51.53	91.91	Shut-In(1)
59	447.72	93.75	End Shut-In(1)
60	55.60	93.70	Open To Flow (2)
104	76.61	95.45	Shut-In(2)
150	441.93	96.83	End Shut-In(2)
151	1607.28	97.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMMW, 10%O, 40%M, 50%W	0.87
45.00	GHOCWM, 10%W, 20%G, 20%M, 50%O	0.63

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Mai Oil Operations Inc

8411 Preston Rd Ste 800
Dallas TX 75225

ATTN: Wyatt Urban

14-15w-14s Russell KS

Kramer A #6

Job Ticket: 52186 **DST#: 6**

Test Start: 2013.05.02 @ 23:11:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:41:00
Time Test Ended: 05:30:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 59

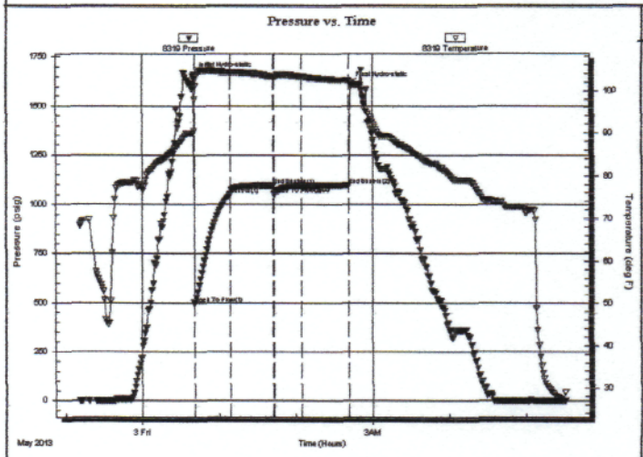
Interval: 3321.00 ft (KB) To 3345.00 ft (KB) (TVD)
Total Depth: 3345.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1893.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 1095.15 psig @ 3322.00 ft (KB)
Start Date: 2013.05.02 End Date: 2013.05.03
Start Time: 23:11:05 End Time: 05:30:29

Capacity: 8000.00 psig
Last Calib.: 2013.05.03
Time On Btm: 2013.05.03 @ 00:40:00
Time Off Btm: 2013.05.03 @ 02:42:30

TEST COMMENT: 30 - IF- B.O.B. instantly
30 - ISI- No return
30 - FF- B.O.B. instantly
30 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.67	90.00	Initial Hydro-static
1	493.49	97.82	Open To Flow (1)
29	1050.98	104.37	Shut-In(1)
63	1095.80	103.30	End Shut-In(1)
63	1052.45	103.23	Open To Flow (2)
85	1095.15	103.34	Shut-In(2)
122	1097.76	102.45	End Shut-In(2)
123	1613.55	101.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMW, 70%W, 25%M, 5%G	1.74
1860.00	GSOCW, 5%G, 5%O, 90%W	26.09
496.00	GWM, 5%W, 85%M, 10%G	6.96

* 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 Home Office P.O. Box 32 Russell, KS 67665
Cell 785-324-1041

No. 6832

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-13	14	15	14	RS [illegible]	KS		12:00 AM

Location: Russell 5 to [illegible] Hill [illegible]

Lease: Kramer A	Well No. 6	Owner	
Contractor: 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: Prod Long String			
Hole Size: 7 7/8	T.D. 3410	Charge To: Mai Oil	
Csg. 5 1/2	Depth 3488	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. 19.86	Shoe Joint 19.86 ft	Cement Amount Ordered: 100 [illegible] 10% salt 2% gel	
Meas Line 14 [illegible] 82.5	Displace [illegible] BBL	1/4 Flow 100 [illegible] 18% salt 2% gel 1/4 [illegible]	

EQUIPMENT

	No.		
Pumptrk 5	No.	Cementer / Helper	Matt / Brett
Bulktrk 8	No.	Driver / Driver	Lonnie M
Bulktrk 3	No.	Driver / Driver	Clayton

Material	
Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	1000 gal
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sks

Mouse Hole

Centralizers 1-10 [illegible]

Baskets [illegible] 17#

D/V or Port Collar

Kramer A #6

[illegible] Ball [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
@ 1000 Lift 1500 Land
Float held

FLOAT EQUIPMENT

Item	
Guide Shoe	
Centralizer	13 turbo
Baskets	1 weatherford
AFU Inserts	
Float Shoe	1
Latch Down	1
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature [illegible]

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 6619

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-27-13	14	15	14	Russell	Ks		2:45 AM

Location Russell, Ks - S to top of hill, W/S to

Lease Kramer A Well No. 6 Owner

Contractor 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 12¼" T.D. 511' Charge To Mai oil operations

Csg. 8 5/8" Depth 511' 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. 15' Shoe Joint 15' Cement Amount Ordered 250 sx 60/40 3%cc 2% Gel

Meas Line Displace 31 ½ BLS

EQUIPMENT

Pumptrk 15 No. Cementer Helper Nick

Bulktrk 3 No. Driver Driver Lonnie W.

~~Bulktrk~~ P.U. No. Driver Driver Rick

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
1 - wooden plug	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

X Signature Jay Shrier