



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1209657  
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: \_\_\_\_\_

1209657

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:  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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Mikol Oil LLC
Well Name	Russell 2-23
Doc ID	1209657

Tops

Name	Top	Datum
Top Anhydrite	1338	+750
Base Anhydrite	1372	+716
Topeka	3045	-957
Heebner	3269	-1181
Toronto	3288	-1200
LKC	3310	-1222
BKC	3557	-1469
Arbuckle	3710	-1623

Marc A. Downing		Geologic Report			
Consulting Petroleum Geologist		Drilling Time and Sample Log			
Operator Mikol Oil LLC		KB	Elevation 2088		
Lease Russell		DF	2086		
No. 2-23		GL	2082		
API # 15-163-24183-0000		Casing Record Surface			
Field Wildcat		8 5/8" @ 220' Production			
Location 390' FSL & 1865' FWL		None			
Sec. 23		Twp. 10s	Rgc. 17w	Electrical Surveys	
County Rooks		State Kansas		CNDL, DIL, MEL	
Formation	Sample tops	Log Tops	Datum	Struct Comp	
Top Anhydrite	NA	1338	+750	-5	
Base Anhydrite	NA	1372	+716	-5	
Topeka	3048	3045	-957	-2	
Heebner	3270	3269	-1181	-3	
Toronto	3290	3288	-1200	FL	
LKC	3311	3310	-1222	-2	
BKC	3558	3557	-1469	-2	
Arbuckle	3711	NA	-1623	-1	
Total Depth	3715	3715	-1627		
Reference Well For Structural Comparison Mikol Oil LLC					
Russell #1-23 1730' FSL & 2920' FEL Sec. 23-10s-17w					

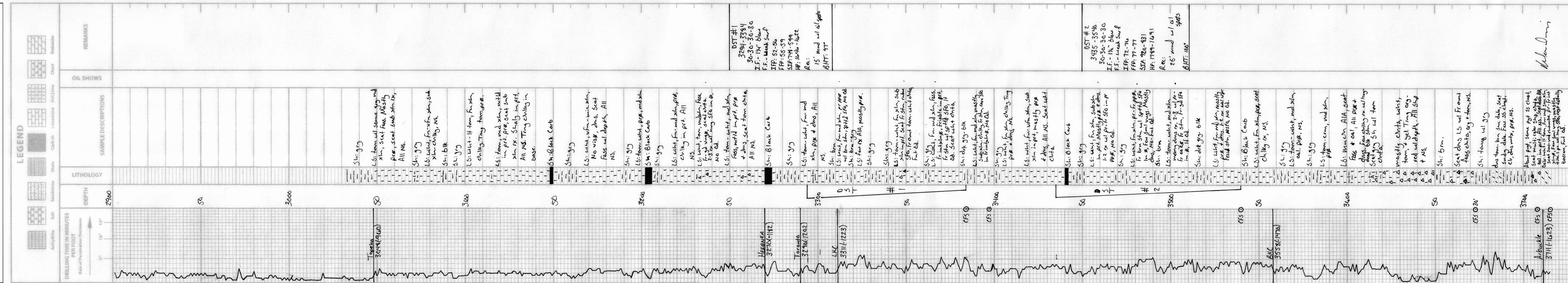
Drilling Contractor Royal Drilling, Rig #1	
Commenced 4-22-14	Completed 4-27-14
Samples Saved From 3050	To RTD
Drilling Time Kept From 2900	To RTD
Samples Examined From 3050	To RTD
Geological Supervision From 2900	To RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,

Marc A. Downing



# 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. 165

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-22-14	23	10	17	Rooks	KS		8:45 PM

Location Codeell 25 Minto

Lease <u>Russell</u>	Well No. <u>2-23</u>	Owner
Contractor <u>Royal 1</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Surface</u>		
Hole Size <u>12 1/4</u>	T.D. <u>220'</u>	Charge To <u>Mikol Oil</u>
Csg. <u>8 5/8</u>	Depth <u>220'</u>	Street
Tbg. Size	Depth	City
Tool	Depth	State
Cement Left in Csg. <u>20'</u>	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace <u>12 3/4 bbl</u>	Cement Amount Ordered <u>200 4% cc 2% bel 1/2 flt</u>

**EQUIPMENT**

Pumptrk <u>5</u> No.	Cementer Helper <u>David</u>	Common <u>200</u>
Bulktrk <u>1</u> No.	Driver <u>Doug</u>	Poz. Mix
Bulktrk <u>Pu</u> No.	Driver <u>Brett</u>	Gel. <u>4</u>
		Calcium <u>10</u>

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal <u>100#</u>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>2/4</u>
	Mileage

Mixed 150lbs Hulls in first 50sx of cement followed by 100 sx of cement, cement fell waited 30 min mix 50sx down back side 8 5/8 cement did NOT come up

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down
Pumptrk Charge <u>Surface</u>
Mileage <u>49</u>

X Signature Doug Budig

Tax
Discount
Total Charge

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 171

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-28-14	23	10	17	Rooks	Ks		2:00 PM

Location Code 11 25 N into

Lease	Well No.	Owner	
Russell	2-23	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.	
Contractor		Charge To	
Royal #7		Mikol Oil	
Type Job	T.D.		
Plug	3715		
Hole Size	Depth	Street	
7 7/8			
Csg.	Depth	City	
Drill Pipe		State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered <u>270 60/40 1/4 Flow</u>	
Tool	Shoe Joint		
Cement Left in Csg.			

Meas Line	Displace	Common
		162
<b>EQUIPMENT</b>		
Pumptrk	No.	Helper
17		Lonnie W
Bulktrk	No.	Driver
1		Doug
Bulktrk	No.	Driver
Pu		Brett
		Calcium

<b>JOB SERVICES &amp; REMARKS</b>		Hulls
Remarks:		Salt
Rat Hole - 30 sx		Flowseal <u>67H</u>
Mouse Hole - 15 sx		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling <u>279</u>
		Mileage <u>8 5/8</u> <b>FLOAT EQUIPMENT</b>
1st Plug @ 3695' w/ 50 sx		Guide Shoe
2nd Plug @ 1340' w/ 25 sx		Centralizer
3rd Plug @ 800' w/ 100 sx		Baskets
4th Plug @ 270' w/ 40 sx		AFU Inserts
5th Plug @ 40' w/ 10 sx		Float Shoe
		Latch Down
		Wood Plug-1
		Pumptrk Charge <u>Plug</u>
		Mileage <u>49</u>

	Tax
	Discount
	Total Charge

X Signature Doug Buey



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Mkol oil L.L.C

**SEC. 23 - 10 s. - 17 w./ Rooks**

1407 WASHINGTON CIRCLE  
HAYS KS,  
67601

**Russell # 2-23**

Job Ticket: 57611

**DST#: 1**

ATTN: MARK DOWNING/ LARRY

Test Start: 2014.04.26 @ 10:23:00

### GENERAL INFORMATION:

Formation: **L.K.C. "A - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:02:30

Time Test Ended: 15:39:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 67

**Interval: 3294.00 ft (KB) To 3384.00 ft (KB) (TVD)**

Total Depth: 3384.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2088.00 ft (KB)

2082.00 ft (CF)

KB to GR/CF: 6.00 ft

**Serial #: 6625**

**Inside**

Press @ Run Depth: 58.77 psig @ 3360.00 ft (KB)

Start Date: 2014.04.26

End Date: 2014.04.26

Start Time: 10:23:01

End Time: 15:39:30

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2014.04.26 @ 12:01:30

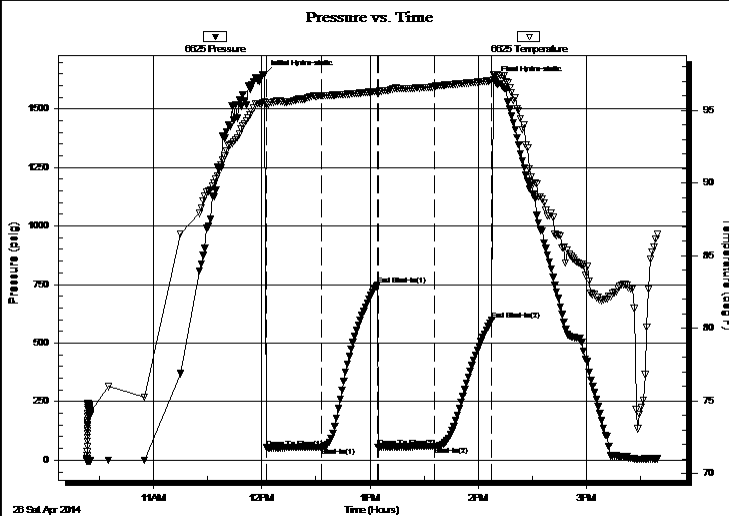
Time Off Btm: 2014.04.26 @ 14:09:00

**TEST COMMENT:** I.F. - 30 - 1/2" INT. BLOW BUILT TO (1 1/4" IN 30 MIN.)

I.S.I. - 30 - NO B.B.

F.F. - 30 - W.S.B STARTED @ 3 MIN. "NO BUILD"

F.S.I. - 30 - NO B.B.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1646.49	95.56	Initial Hydro-static
1	52.32	95.36	Open To Flow (1)
32	55.85	96.00	Shut-In(1)
63	748.48	96.30	End Shut-In(1)
63	55.25	96.26	Open To Flow (2)
95	58.77	96.65	Shut-In(2)
126	598.73	97.04	End Shut-In(2)
128	1622.12	97.47	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% (FEW OIL SPECS IN TOOL)	0.21

### Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mkol oil L.L.C  
 1407 WASHINGTON CIRCLE  
 HAYS KS,  
 67601  
 ATTN: MARK DOWNING/ LARRY

**SEC. 23 - 10 s. - 17 w./ Rooks**  
**Russell # 2-23**  
 Job Ticket: 57611      **DST#: 1**  
 Test Start: 2014.04.26 @ 10:23:00

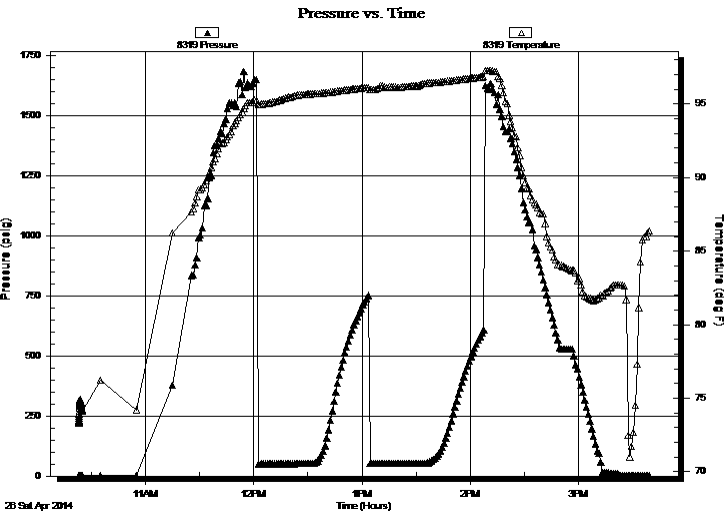
## GENERAL INFORMATION:

Formation: **L.K.C. "A - D"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 12:02:30 Tester: Bob Hamel  
 Time Test Ended: 15:39:30 Unit No: 67  
 Interval: **3294.00 ft (KB) To 3384.00 ft (KB) (TVD)** Reference Elevations: 2088.00 ft (KB)  
 Total Depth: 3384.00 ft (KB) (TVD) 2082.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

## Serial #: 8319

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.26 End Date: 2014.04.26 Last Calib.: 2014.04.26  
 Start Time: 10:23:01 End Time: 15:39:30 Time On Btm:  
 Time Off Btm:

TEST COMMENT: I.F. - 30 - 1/2" INT. BLOW BUILT TO (1 1/4" IN 30 MIN.)  
 I.S.I. - 30 - NO B.B.  
 F.F. - 30 - W.S.B STARTED @ 3 MIN. "NO BUILD"  
 F.S.I. - 30 - NO B.B.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% (FEW OIL SPECS IN TOOL)	0.21

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mkol oil L.L.C

**SEC. 23 - 10 s. - 17 w./ Rooks**

1407 WASHINGTON CIRCLE  
HAYS KS,  
67601

**Russell # 2-23**

Job Ticket: 57611

**DST#: 1**

ATTN: MARK DOWNING/ LARRY

Test Start: 2014.04.26 @ 10:23:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100% (FEW OIL SPECS IN TOOL)	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

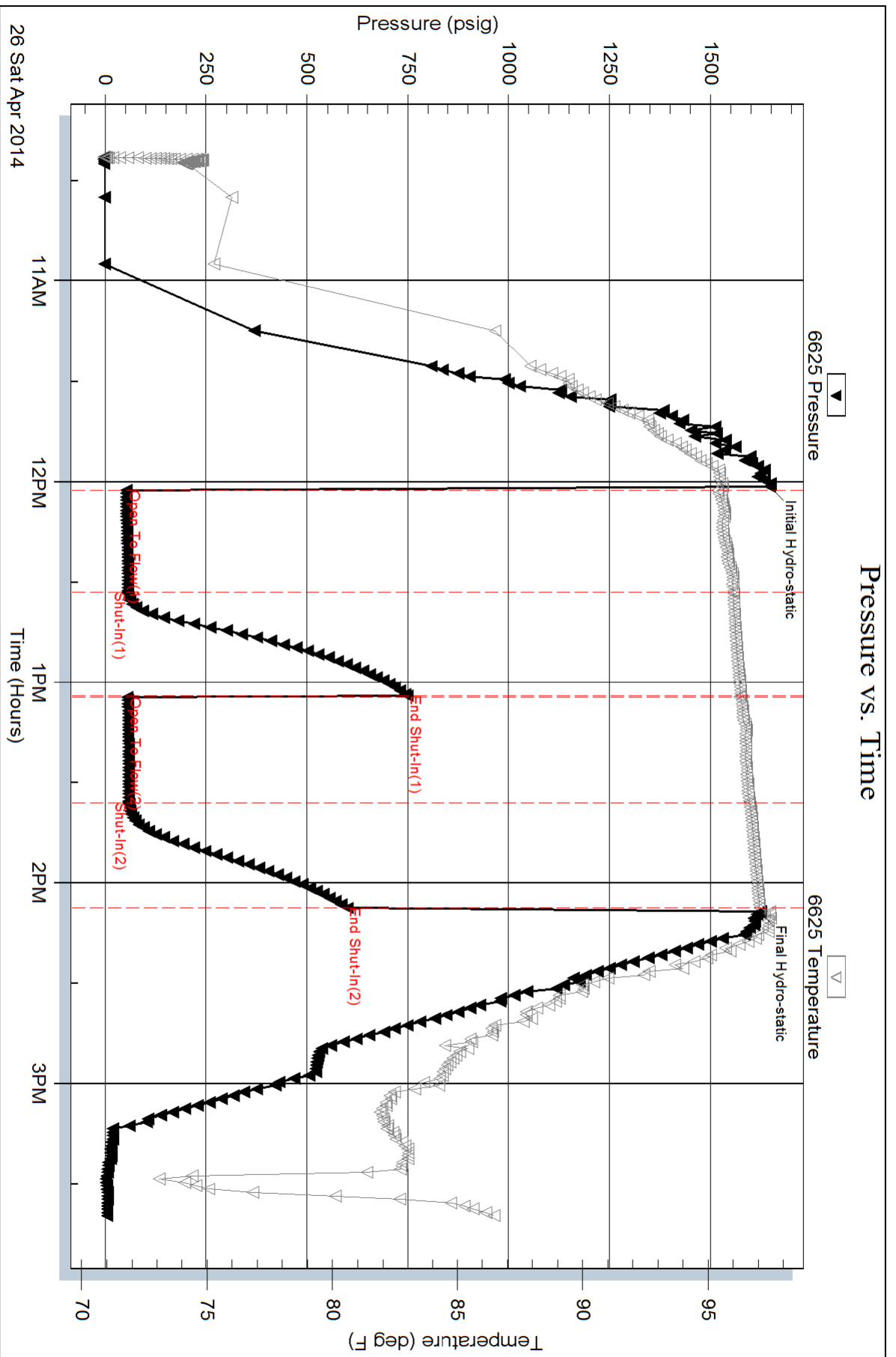
Serial #: 6625

Inside

Mkol oil L.L.C

Russell # 2-23

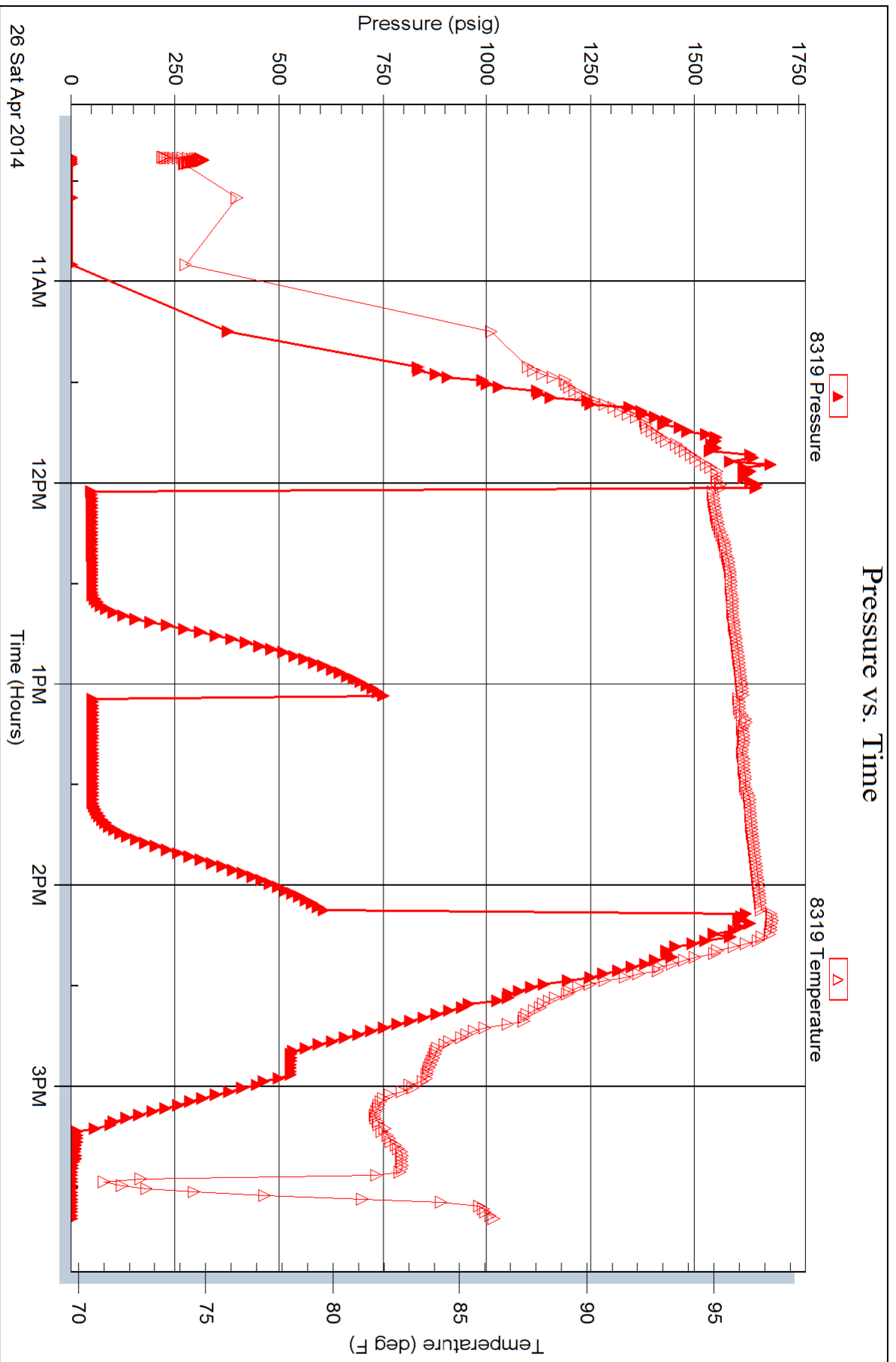
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Triobite Testing, Inc

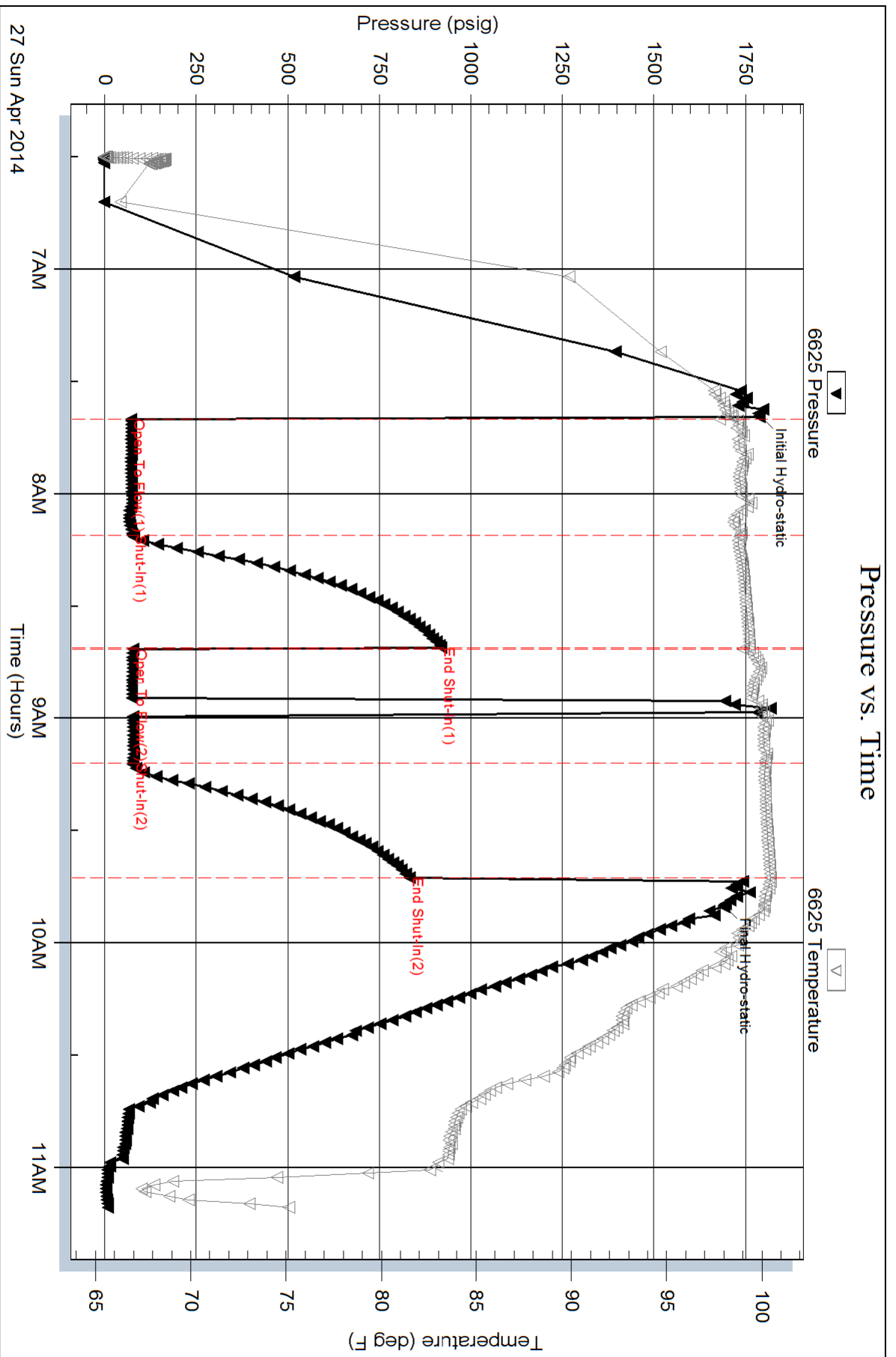
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Printed: 2014.04.26 @ 18:10:47









Serial #: 8319

Outside

Mkol oil L.L.C

Russell # 2-23

DST Test Number: 2

