Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1133844

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 # 30458
Name: RJM Company
Address 1: PO BOX 256
Address 2:
City: CLAFLIN State: KS Zip: 67525 + 0256
Contact Person: Chris Hoffman
Phone: (620) 786-8744
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Kurt Talbott
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 #:

4/8/2013	4/14/2013	4/22/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23871-00-00
Spot Description:
_ SW _ SW _ SE Sec. 31 Twp. 15 S. R. 12 ☐ East ☑ West
330 Feet from ☐ North / ☑ South Line of Section
2310 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: Feist Well #: 1
Field Name: Ney
Producing Formation: Lansing
Elevation: Ground: 1882 Kelly Bushing: 1889
Total Vertical Depth: 3425 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 432 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: 74000 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated

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: 06/06/2013
☑ **Confidential Release Date:** 06/06/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 06/10/2013

1133844

Operator Name: RJM Company Lease Name: Feist Well #: 1

Sec. 31 Twp. 15 S. R. 12 ☐ 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:

Attached

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

Name	Top	Datum
Anhydrite	-1064	KB
Heebner	-1095	KB
Brown Lime	-1180	KB
Lansing	-1191	KB
Base Kansas City	-1432	KB
Quartzite	-1496	KB

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	20	432	Common	215	3% CC, 2% Gel.
Production	7.875	5.5	15.5	3425	Common	180	10% Salt, 5% Gil.

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
4	3086-3092	3000 gal 15% acid	
4	3106-3110		
4	3146-3154		
4	3166-3174		

TUBING RECORD: Size: 2 7/8 Set At: 3400 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 05/02/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	53	0	0		42

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	RJM Company
Well Name	Feist 1
Doc ID	1133844

All Electric Logs Run

CNL/CDL
DIL
MEL
Sonic

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. 6650

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-9-13	31	15	12	Russell	Ks		4:30 AM

Location Bavaria, Ks -4N to C.L., ½W, N into

Lease Feist | Well No. 1 | Owner

Contractor Royal #2

Type Job Surface

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.

Hole Size	12¼"	T.D.	432'
Csg.	8 5/8"	Depth	432'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	15'
Meas Line		Displace	26¼ Bbls

Charge To RJM Company

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 215 sx Common 3% cc 2% Ge

EQUIPMENT

Pumptrk 15	No.	Cementer	
		Helper	Nick
Bulktrk 8	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

X Signature

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	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 6609

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-14-13	31	15	12	Russell	Ks		2:00 PM

Location: Bavaria, Ks - 4N to C.L., 1 1/2 W, NInto

Lease: Feist Well No.: 1

Owner:

Contractor: Royal #2

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: Production

Hole Size: 7 7/8" T.D.: 3425'

Charge To: RJM Company

Csg.: 5 1/2" Depth: 3428'

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.: 12' Shoe Joint: 42'

Cement Amount Ordered: 180 sx Common 10% Salt 5% Gilsonite

Meas Line: Displace: 80 1/2 Bbls

500 gal mud Clear 48

EQUIPMENT

Pumptrk 15	No.	Cementer Helper	Nick
Bulktrk 8	No.	Driver Driver	David
~~Bulktrk~~ P.U.	No.	Driver Driver	Rick

JOB SERVICES & REMARKS

Remarks:

Rat Hole: 30 sx

Mouse Hole: 15 sx

Centralizers: 1-9

Baskets:

D/V or Port Collar: Pipe on bottom, break Circulation, pump 500 gal mud Clear 48 plug Rathole w/ 30 sx, plug mouse hole w/ 15 sx, Hook to 5 1/2" Casing + mix 135 sx Cement. Shut down, wash pump + lines - Released plug + Displaced with 80 1/2 Bbls of Water. Released + held.

Lift pressure 1000 #

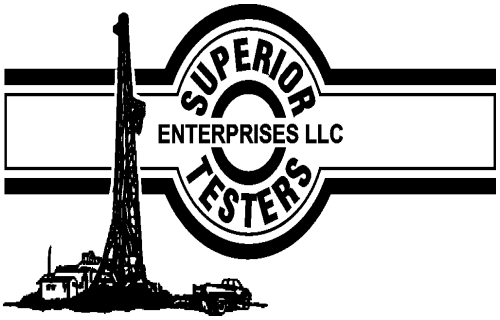
Land plug to 1600 #

X Signature

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	1
Centralizer	9
Baskets	2
AFU Inserts	1
Float Shoe	
Latch Down	
1 - Rubber plug	
Rotating head Assy	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

Feist #1

31/15S/12W/Russell

Start Date: 2013.04.12 @ 12:42:00
End Date: 2013.04.12 @ 18:42:00
Job Ticket #: 17481 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.04.12 @ 19:15:48

DRILL STEM TEST REPORT

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17481 **DST#: 1**

Test Start: 2013.04.12 @ 12:42:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:07:00
Time Test Ended: 18:42:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/70

Interval: 3075.00 ft (KB) To 3170.00 ft (KB) (TVD)
Total Depth: 3170.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

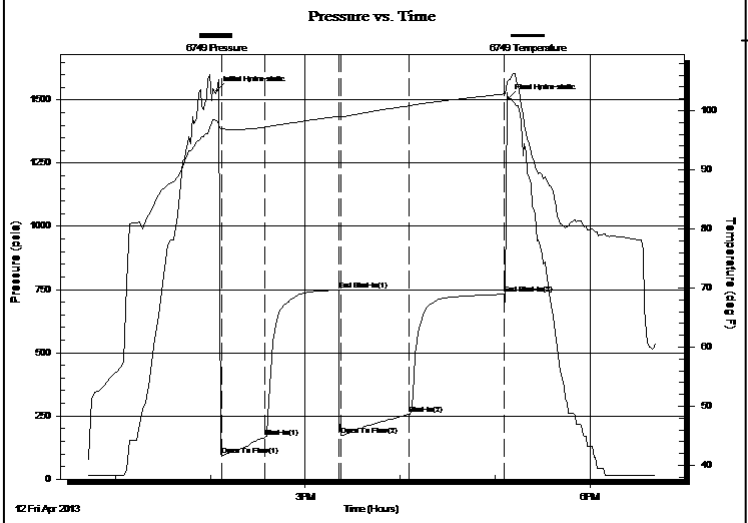
Reference Elevations: 1889.00 ft (KB)
1882.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 256.78 psia @ 3166.14 ft (KB)
Start Date: 2013.04.12 End Date: 2013.04.12
Start Time: 12:42:00 End Time: 18:42:00

Capacity: 5000.00 psia
Last Calib.: 2013.04.12
Time On Btm: 2013.04.12 @ 14:04:00
Time Off Btm: 2013.04.12 @ 17:08:30

TEST COMMENT:
1ST Open Strong blow / Blow built to bottom of bucket in 1 minute
1ST Shut In Blow back built to 3 inches
2ND Open Strong blow /Blow built to bottom of bucket in 1 minute 15 seconds/Gas to surface in 2 minutes
2ND Shut In Blow back built to bottom of bucket in 5 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1536.18	98.32	Initial Hydro-static
3	92.66	96.96	Open To Flow (1)
31	165.90	97.17	Shut-In(1)
77	748.31	99.04	End Shut-In(1)
79	172.70	98.96	Open To Flow (2)
122	256.78	100.78	Shut-In(2)
182	731.18	102.80	End Shut-In(2)
185	1504.15	105.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Muddy Gassy Oil	2.10
0.00	Mud 20% Gas 40% Oil 40%	0.00
240.00	Water cut Gassy Emulsified Oil	3.37
0.00	Water 15% Gas 25% Emulsified Oil 60%	0.00
60.00	Oil cut Muddy Water	0.84
0.00	Oil 5% Mud 15% Water 80%	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.65	2.11
Last Gas Rate	0.13	3.15	1.18
Max. Gas Rate	0.13	5.65	2.11

DRILL STEM TEST REPORT

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17481 **DST#: 1**

Test Start: 2013.04.12 @ 12:42:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:07:00
Time Test Ended: 18:42:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/70

Interval: 3075.00 ft (KB) To 3170.00 ft (KB) (TVD)
Total Depth: 3170.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

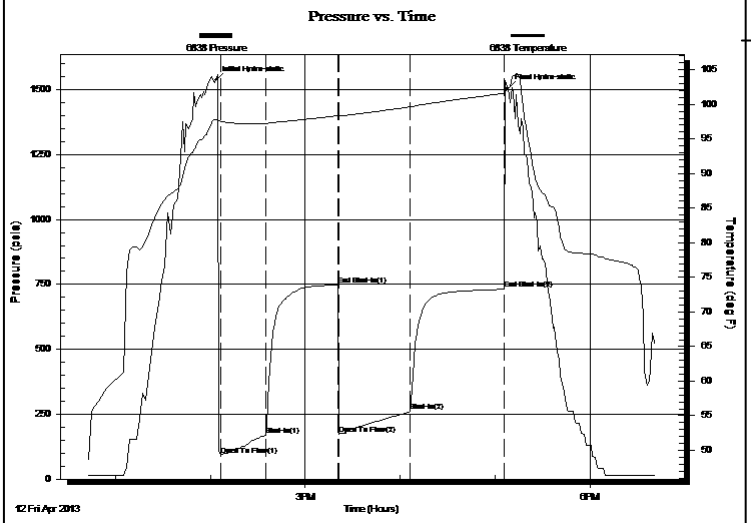
Reference Elevations: 1889.00 ft (KB)
1882.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6838 **Outside**

Press@RunDepth: 731.50 psia @ 3167.14 ft (KB)
Start Date: 2013.04.12 End Date: 2013.04.12
Start Time: 12:42:00 End Time: 18:41:30

Capacity: 5000.00 psia
Last Calib.: 2013.04.12
Time On Btm: 2013.04.12 @ 14:03:30
Time Off Btm: 2013.04.12 @ 17:08:00

TEST COMMENT:
1ST Open Strong blow / Blow built to bottom of bucket in 1 minute
1ST Shut In Blow back built to 3 inches
2ND Open Strong blow /Blow built to bottom of bucket in 1 minute 15 seconds/Gas to surface in 2 minutes
2ND Shut In Blow back built to bottom of bucket in 5 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1536.86	97.83	Initial Hydro-static
3	93.36	97.53	Open To Flow (1)
32	168.48	97.24	Shut-In(1)
77	748.64	98.38	End Shut-In(1)
78	173.97	98.32	Open To Flow (2)
124	259.96	99.64	Shut-In(2)
182	731.50	101.58	End Shut-In(2)
185	1504.37	102.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Muddy Gassy Oil	2.10
0.00	Mud 20% Gas 40% Oil 40%	0.00
240.00	Water cut Gassy Emulsified Oil	3.37
0.00	Water 15% Gas 25% Emulsified Oil 60%	0.00
60.00	Oil cut Muddy Water	0.84
0.00	Oil 5% Mud 15% Water 80%	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.65	2.11
Last Gas Rate	0.13	3.15	1.18
Max. Gas Rate	0.13	5.65	2.11

DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17481 **DST#: 1**

Test Start: 2013.04.12 @ 12:42:00

Tool Information

Drill Pipe:	Length:	3070.00 ft	Diameter:	3.80 inches	Volume:	43.06 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	43.06 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	29000.00 lb
Depth to Top Packer:		3075.00 ft						Final	31000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		95.14 ft							
Tool Length:		115.14 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3060.00		
Hydrolic Tool	5.00			3065.00		
Packer	5.00			3070.00	20.00	Bottom Of Top Packer
Packer	5.00			3075.00		
Perforations	6.00			3081.00		
Change Over Sub	0.75			3081.75		
Drill Pipe	62.64			3144.39		
Change Over Sub	0.75			3145.14		
Anchor	20.00			3165.14		
Recorder	1.00	6749	Inside	3166.14		
Recorder	1.00	6838	Outside	3167.14		
Bullnose	3.00			3170.14	95.14	Bottom Packers & Anchor
Total Tool Length:	**115.14**					

DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17481 **DST#: 1**

Test Start: 2013.04.12 @ 12:42:00

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:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.00 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	8000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Muddy Gassy Oil	2.104
0.00	Mud 20% Gas 40% Oil 40%	0.000
240.00	Water cut Gassy Emulsified Oil	3.367
0.00	Water 15% Gas 25% Emulsified Oil 60%	0.000
60.00	Oil cut Muddy Water	0.842
0.00	Oil 5% Mud 15% Water 80%	0.000
60.00	Oily Mud	0.842
0.00	Oil 30% Mud 70%	0.000
0.00	Recov. Chlorides 48,000 ppm	0.000

Total Length: 510.00 ft Total Volume: 7.155 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17481 **DST#: 1**

Test Start: 2013.04.12 @ 12:42:00

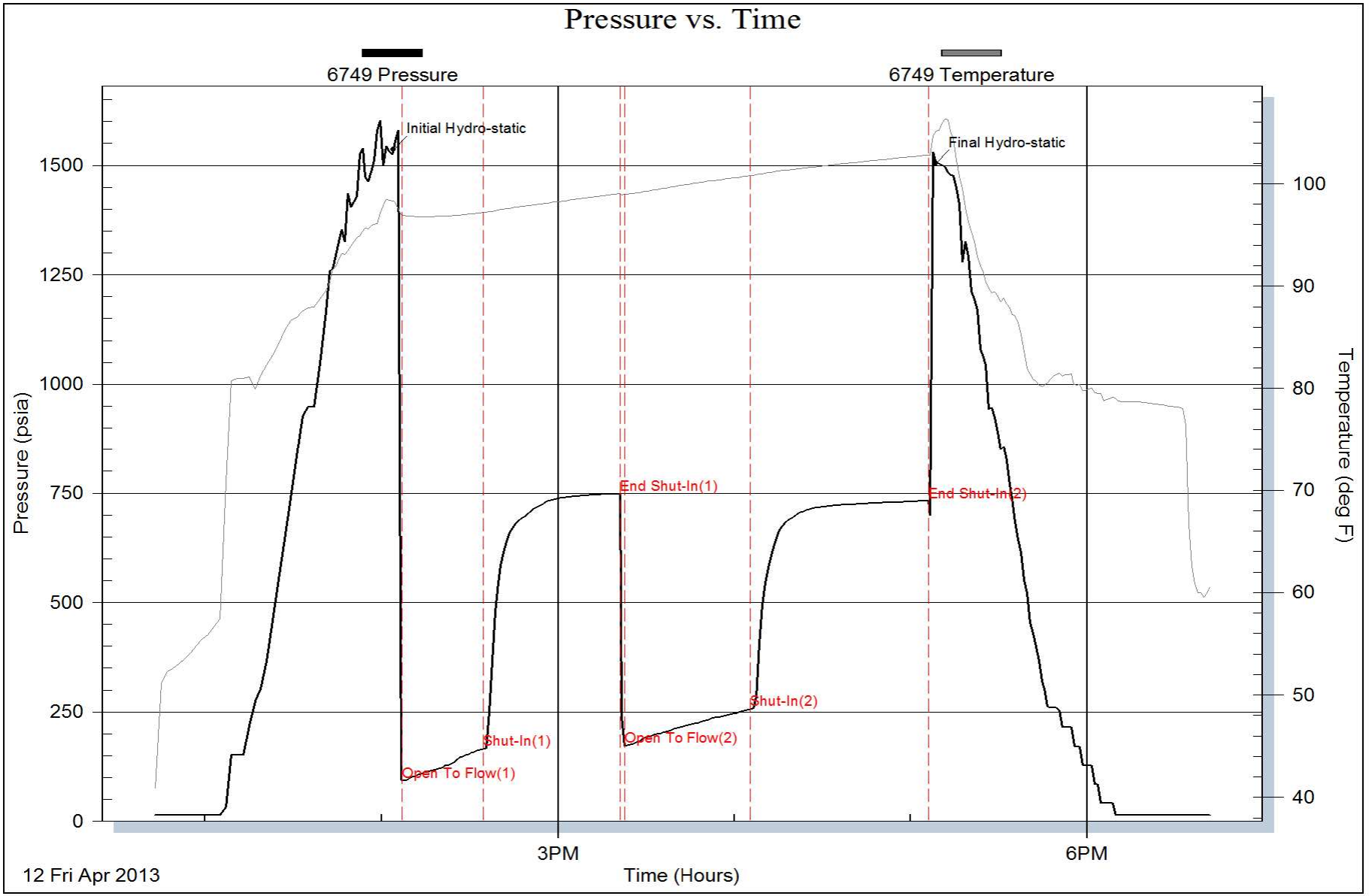
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

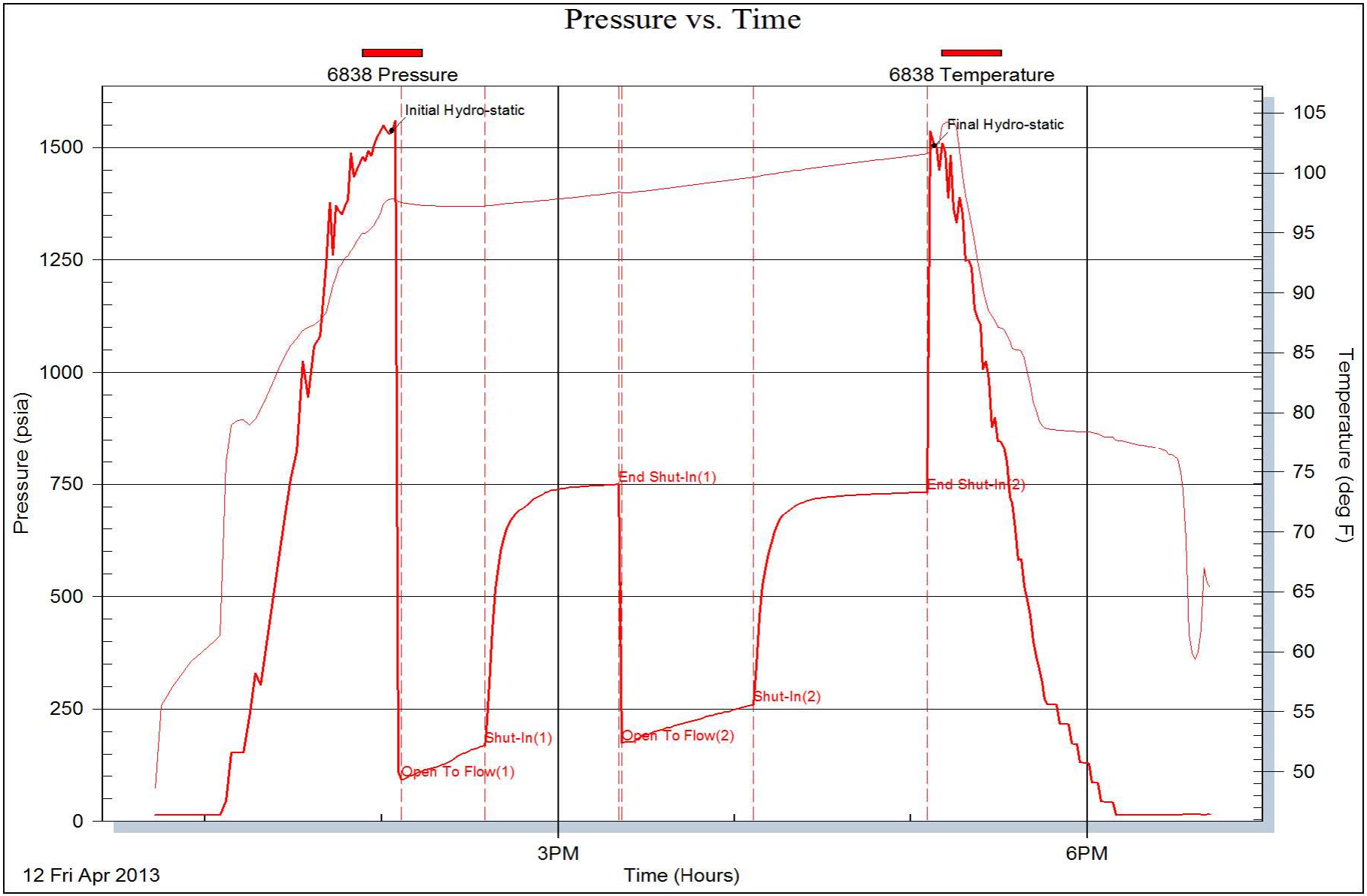
Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.13	5.65	2.11
2	20	0.13	4.90	1.83
2	30	0.13	4.02	1.50
2	40	0.13	3.15	1.18
2	40	0.13	3.15	1.18

Serial #: 6749 **Inside** RJM Company Feist #1 DST Test Number: 1

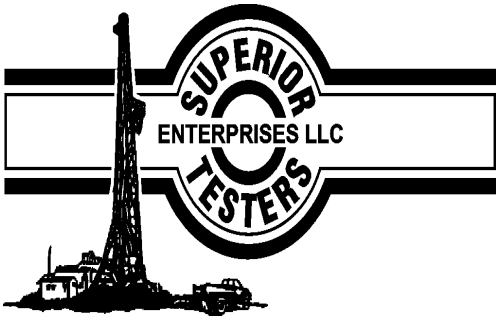


Superior Testers Enterprises LLC Ref. No: 17481 Printed: 2013.04.12 @ 19:15:49

Serial #: 6838 **Outside** RJM Company Feist #1 DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 17481 Printed: 2013.04.12 @ 19:15:50



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

Feist #1

31/15S/12W/Russell

Start Date: 2013.04.13 @ 05:23:00
End Date: 2013.04.13 @ 09:38:30
Job Ticket #: 17482 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2013.04.13 @ 09:47:35

DRILL STEM TEST REPORT

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17482 **DST#: 2**

Test Start: 2013.04.13 @ 05:23:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:36:30
Time Test Ended: 09:38:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/70

Interval: 3206.00 ft (KB) To 3300.00 ft (KB) (TVD)
Total Depth: 3300.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

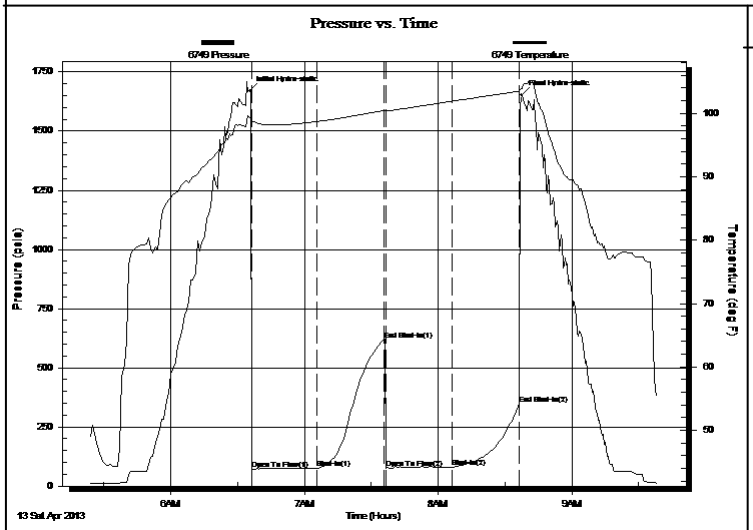
Reference Elevations: 1889.00 ft (KB)
1882.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6749 **Inside**

Press@RunDepth: 79.36 psia @ 3296.14 ft (KB)
Start Date: 2013.04.13 End Date: 2013.04.13
Start Time: 05:23:00 End Time: 09:38:30

Capacity: 5000.00 psia
Last Calib.: 2013.04.13
Time On Btm: 2013.04.13 @ 06:35:30
Time Off Btm: 2013.04.13 @ 08:37:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 2 inches
1ST Shut In 30 Minutes/No blow back
2ND Open 30 Minutes/Weak surface blow /Blow died in 13 minutes
2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1670.16	99.39	Initial Hydro-static
1	72.20	98.85	Open To Flow (1)
30	76.19	98.72	Shut-In(1)
60	616.26	100.44	End Shut-In(1)
61	76.67	100.36	Open To Flow (2)
91	79.36	101.91	Shut-In(2)
122	345.65	103.53	End Shut-In(2)
122	1652.66	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17482 **DST#: 2**

Test Start: 2013.04.13 @ 05:23:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:36:30
Time Test Ended: 09:38:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/70

Interval: 3206.00 ft (KB) To 3300.00 ft (KB) (TVD)
Total Depth: 3300.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

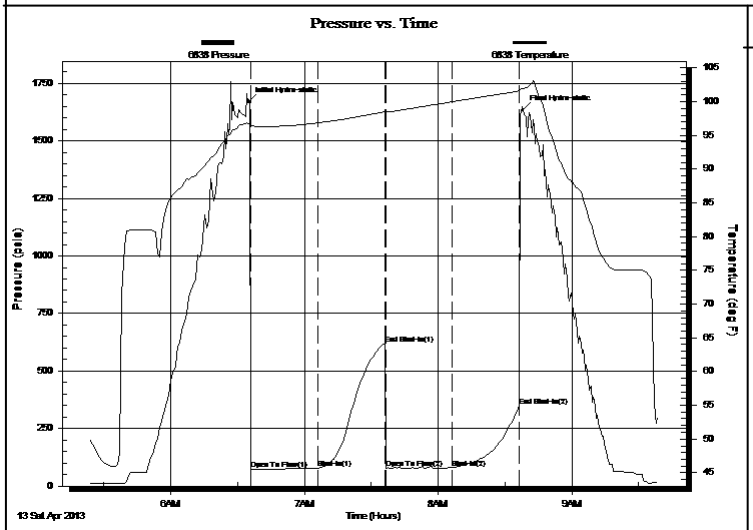
Reference Elevations: 1889.00 ft (KB)
1882.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6838 **Outside**

Press@RunDepth: 347.42 psia @ 3297.14 ft (KB)
Start Date: 2013.04.13 End Date: 2013.04.13
Start Time: 05:23:00 End Time: 09:38:30

Capacity: 5000.00 psia
Last Calib.: 2013.04.13
Time On Btm: 2013.04.13 @ 06:35:00
Time Off Btm: 2013.04.13 @ 08:38:00

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 2 inches
1ST Shut In 30 Minutes/No blow back
2ND Open 30 Minutes/Weak surface blow /Blow died in 13 minutes
2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1670.62	96.73	Initial Hydro-static
1	72.63	96.28	Open To Flow (1)
32	76.42	96.86	Shut-In(1)
62	618.89	98.48	End Shut-In(1)
62	77.14	98.45	Open To Flow (2)
91	79.90	99.98	Shut-In(2)
122	347.42	101.60	End Shut-In(2)
123	1634.63	101.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17482 **DST#: 2**

Test Start: 2013.04.13 @ 05:23:00

Tool Information

Drill Pipe:	Length:	3196.00 ft	Diameter:	3.80 inches	Volume:	44.83 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		40000.00 lb
					Total Volume:	44.83 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	30000.00 lb
Depth to Top Packer:		3206.00 ft						Final	30000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		94.14 ft							
Tool Length:		114.14 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3191.00		
Hydrolic Tool	5.00			3196.00		
Packer	5.00			3201.00	20.00	Bottom Of Top Packer
Packer	5.00			3206.00		
Perforations	5.00			3211.00		
Change Over Sub	0.75			3211.75		
Drill Pipe	62.64			3274.39		
Change Over Sub	0.75			3275.14		
Anchor	20.00			3295.14		
Recorder	1.00	6749	Inside	3296.14		
Recorder	1.00	6838	Outside	3297.14		
Bullnose	3.00			3300.14	94.14	Bottom Packers & Anchor
Total Tool Length:	**114.14**					

DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

PO Box 256
Claflin, Kansas 67525+0256

ATTN: Kurt Talbot

31/15S/12W/Russell

Feist #1

Job Ticket: 17482 **DST#: 2**

Test Start: 2013.04.13 @ 05:23:00

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:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	8000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

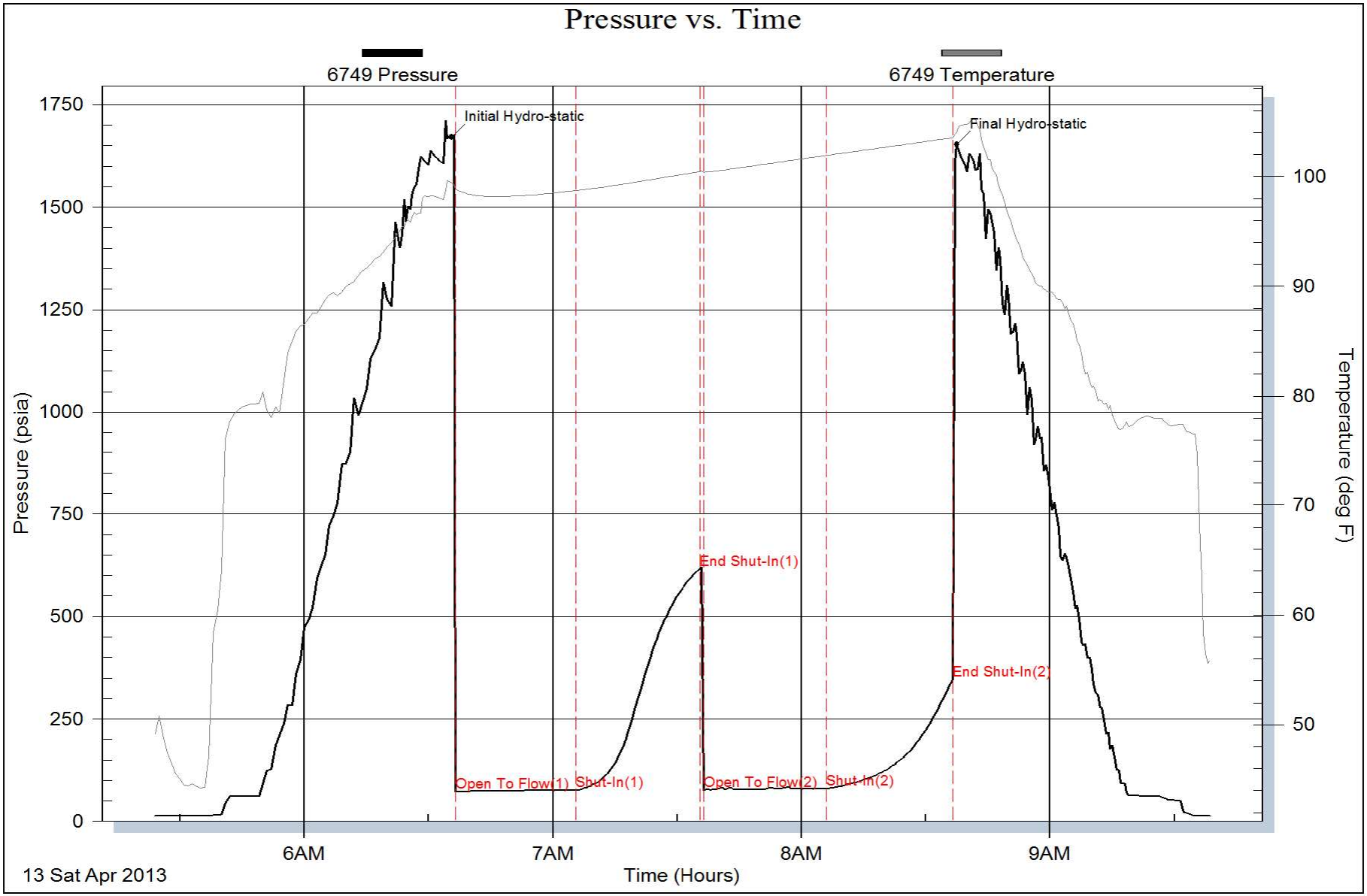
Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

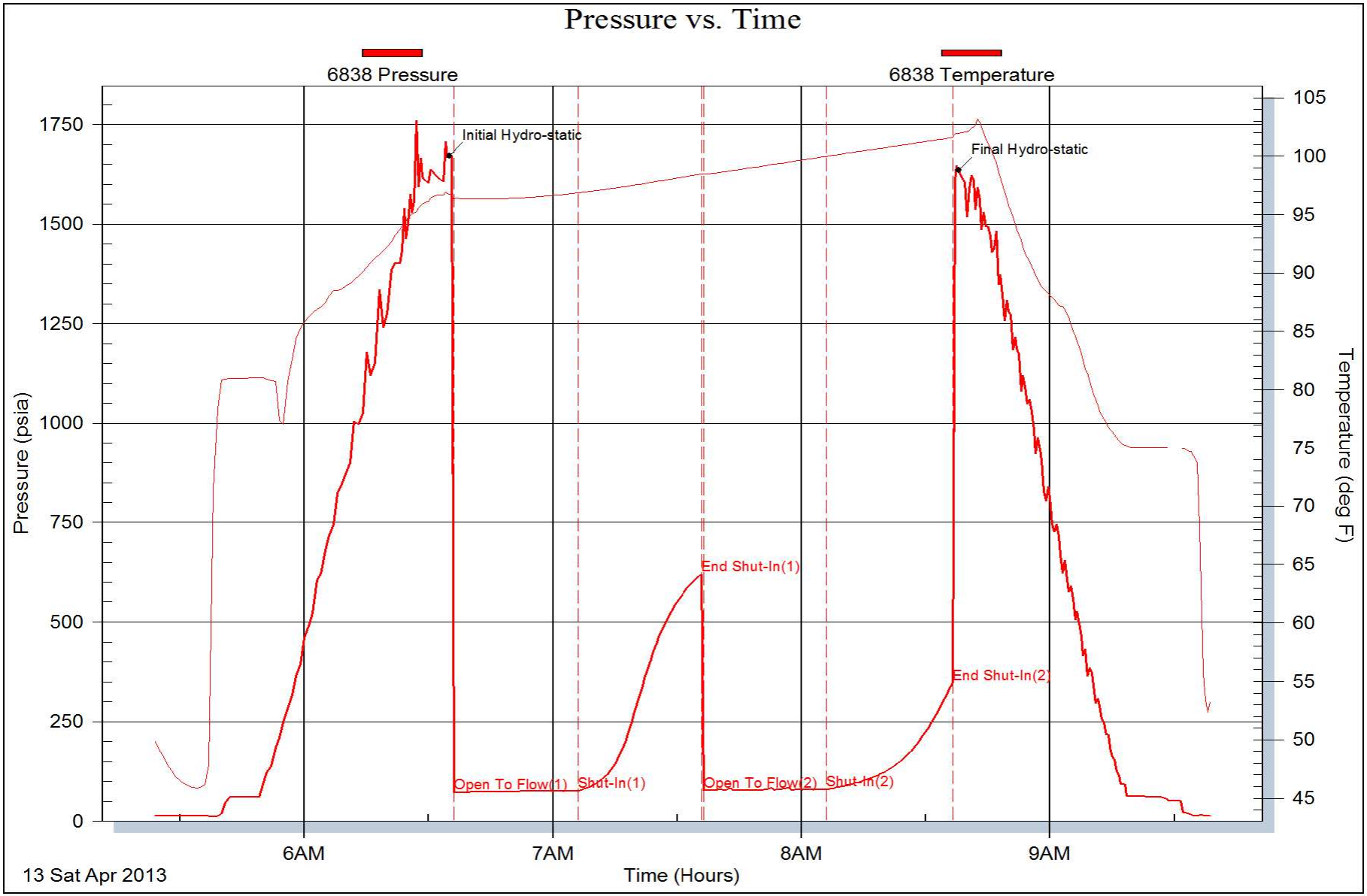
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6749 **Inside** RJM Company Feist #1 DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 17482 Printed: 2013.04.13 @ 09:47:36

Serial #: 6838 **Outside** RJM Company Feist #1 DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 17482 Printed: 2013.04.13 @ 09:47:37

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/

June 06, 2013

Chris Hoffman
RJM Company
PO BOX 256
CLAFLIN, KS 67525-0256

Re: ACO1
API 15-167-23871-00-00
Feist 1
SE/4 Sec.31-15S-12W
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,
Chris Hoffman