

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1156804
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

<input type="checkbox"/> Oil	<input type="checkbox"/> WSW	<input type="checkbox"/> SWD	<input type="checkbox"/> SIOW
<input type="checkbox"/> Gas	<input type="checkbox"/> D&A	<input type="checkbox"/> ENHR	<input type="checkbox"/> SIGW
<input type="checkbox"/> OG		<input type="checkbox"/> GSW	<input type="checkbox"/> Temp. Abd.
<input type="checkbox"/> CM (Coal Bed Methane)			
<input type="checkbox"/> Cathodic <input type="checkbox"/> Other (Core, Expl., etc.): _____			

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

<input type="checkbox"/> Deepening	<input type="checkbox"/> Re-perf.	<input type="checkbox"/> Conv. to ENHR	<input type="checkbox"/> Conv. to SWD
<input type="checkbox"/> Plug Back		<input type="checkbox"/> Conv. to GSW	<input type="checkbox"/> Conv. to Producer
<input type="checkbox"/> Commingled		Permit #: _____	
<input type="checkbox"/> Dual Completion		Permit #: _____	
<input type="checkbox"/> SWD		Permit #: _____	
<input type="checkbox"/> ENHR		Permit #: _____	
<input type="checkbox"/> 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

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: _____



1156804

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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <hr/> <hr/>
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DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O.Box 256
Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Hammek #1

13/19s/12w/Barton

Start Date: 2013.07.22 @ 18:13:00

End Date: 2013.07.23 @ 00:42:23

Job Ticket #: 18418 DST #: 1

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

Printed: 2013.07.22 @ 00:59:52

RJM Company

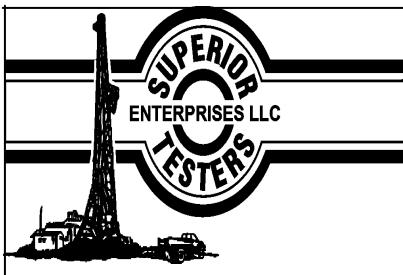
13/19s/12w/Barton

Hammek #1

DST #1

LKC "A-B"

2013.07.22



DRILL STEM TEST REPORT

RJM Company
 P.O.Box 256
 Claflin Ks, 67525-0256
 ATTN: Jim Musgrove

13/19s/12w/Barton
Hammek #1
 Job Ticket: 18418 **DST#:** 1
 Test Start: 2013.07.22 @ 18:13:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:35:53
 Time Test Ended: 00:42:23
Interval: 3097.00 ft (KB) To 3144.00 ft (KB) (TVD)
 Total Depth: 3144.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/30/Great Bend

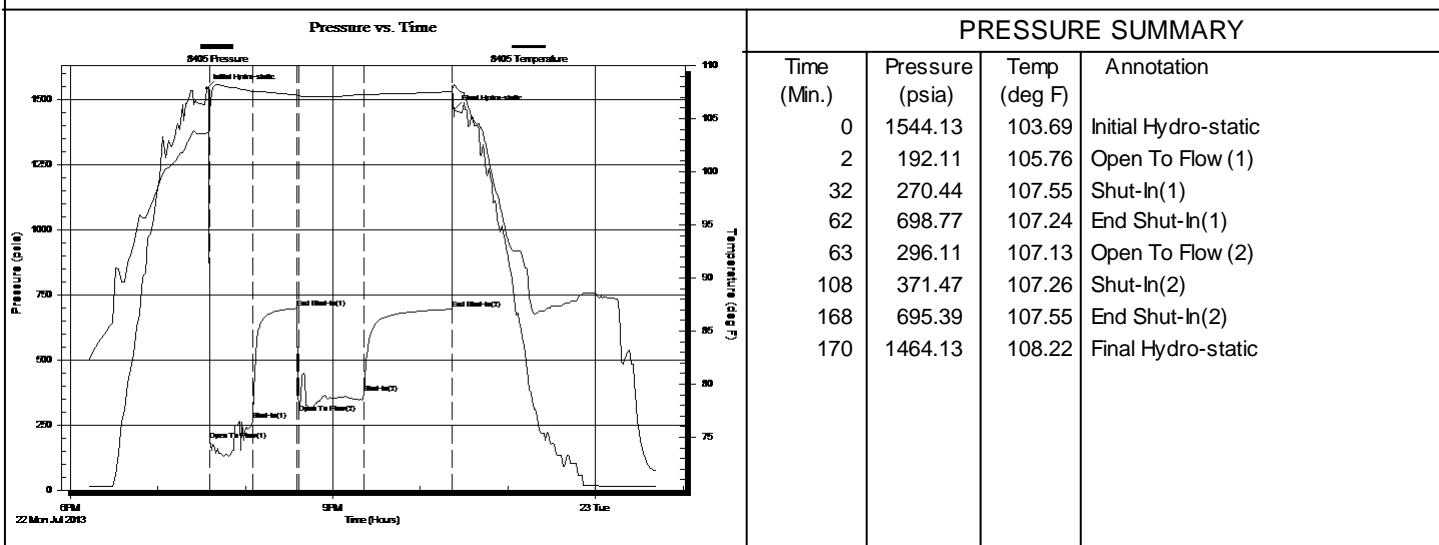
Reference Elevations: 1824.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8405 Inside

Press@RunDepth: 371.47 psia @ 3140.00 ft (KB)
 Start Date: 2013.07.22 End Date: 2013.07.23
 Start Time: 18:13:00 End Time: 00:42:23

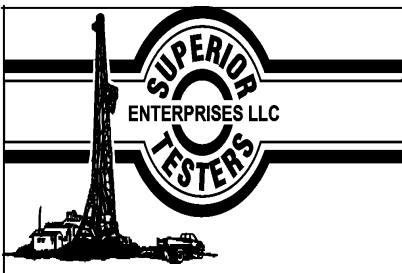
Capacity: 5000.00 psia
 Last Calib.: 2013.07.22
 Time On Btm: 2013.07.22 @ 19:33:53
 Time Off Btm: 2013.07.22 @ 22:23:23

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of bucket in 40 Seconds. Gas to surface in 8 minutes.
 1st Shut In/ 30 Minutes. Blow back built to bottom of bucket in 15 Minutes.
 2nd Open/ 45 Minutes. Strong blow built to bottom of bucket in 40 seconds.
 2nd Shut In/ 60 Minutes. Blow back built to 11 inches.



Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3144 feet gas	0.00
63.00	10% Oil, 90% mud.	0.88
63.00	40% mud, 10% water, 20% oil, 30% gas	0.88
63.00	40% mud, 20% oil, 40% gas.	0.88
63.00	20% mud, 20% oil, 60% gas	0.88
63.00	100% gas	0.88

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	6.28	98.09
Last Gas Rate	0.50	4.40	29.68
Max. Gas Rate	0.75	6.28	98.09



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18418 DST#: 1
Test Start: 2013.07.22 @ 18:13:00

GENERAL INFORMATION:

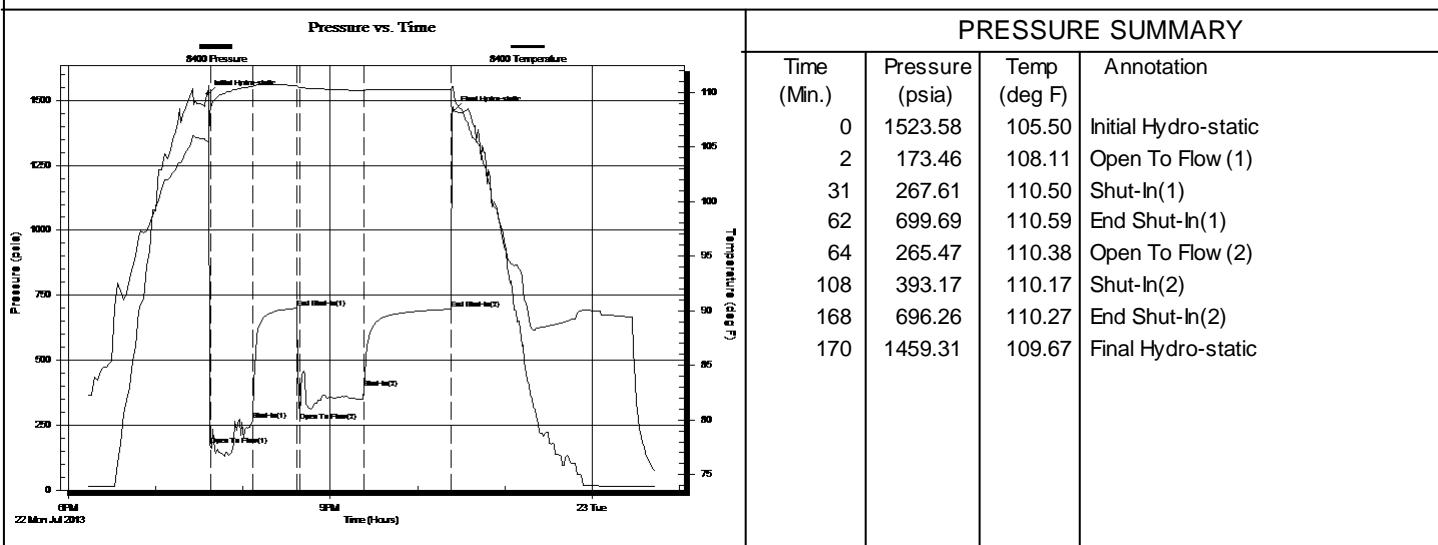
Formation: LKC "A-B"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:35:53
Time Test Ended: 00:42:23
Interval: 3097.00 ft (KB) To 3144.00 ft (KB) (TVD)
Total Depth: 3144.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8400 Outside

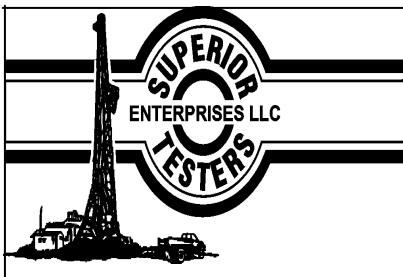
Press@RunDepth: 696.26 psia @ 3141.00 ft (KB)
Start Date: 2013.07.22 End Date: 2013.07.23
Start Time: 18:13:00 End Time: 00:43:30
Capacity: 5000.00 psia
Last Calib.: 2013.07.22
Time On Btm: 2013.07.22 @ 19:35:30
Time Off Btm: 2013.07.22 @ 22:25:00

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of bucket in 40 Seconds. Gas to surface in 8 minutes.
1st Shut In/ 30 Minutes. Blow back built to bottom of bucket in 15 Minutes.
2nd Open/ 45 Minutes. Strong blow built to bottom of bucket in 40 seconds.
2nd Shut In/ 60 Minutes. Blow back built to 11 inches.



Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3144 feet gas	0.00
63.00	10% Oil, 90% mud.	0.88
63.00	40% mud, 10% water, 20% oil, 30% gas	0.88
63.00	40% mud, 20% oil, 40% gas.	0.88
63.00	20% mud, 20% oil, 60% gas	0.88
63.00	100% gas	0.88

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	6.28	98.09
Last Gas Rate	0.50	4.40	29.68
Max. Gas Rate	0.75	6.28	98.09



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammeke #1

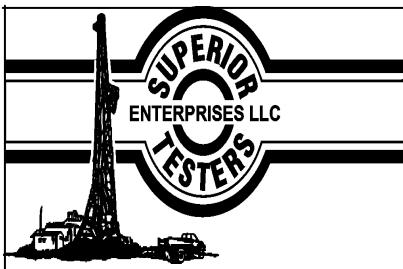
Job Ticket: 18418 DST#: 1
Test Start: 2013.07.22 @ 18:13:00

Tool Information

Drill Pipe: Length: 3099.00 ft Diameter: 3.80 inches Volume: 43.47 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: 52000.00 lb
Drill Pipe Above KB: 31.00 ft Total Volume: 43.47 bbl Tool Chased 6.00 ft
Depth to Top Packer: 3097.00 ft String Weight: Initial 32000.00 lb
Depth to Bottom Packer: ft Final 38000.00 lb
Interval betw een Packers: 47.00 ft
Tool Length: 76.00 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3069.00	
Shut-In Tool	5.00			3074.00	
Hydroic Tool	5.00			3079.00	
Jars	6.00			3085.00	
Safety Joint	2.00			3087.00	
Packer	5.00			3092.00	29.00 Bottom Of Top Packer
Packer	5.00			3097.00	
Perforations	42.00			3139.00	
Recorder	1.00	8405	Inside	3140.00	
Recorder	1.00	8400	Outside	3141.00	
Bullnose	3.00			3144.00	47.00 Bottom Packers & Anchor
Total Tool Length:		76.00			



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammek #1

Job Ticket: 18418 **DST#:** 1
Test Start: 2013.07.22 @ 18:13:00

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.80 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

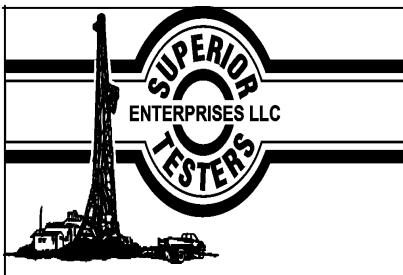
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3144 feet gas	0.000
63.00	10% Oil, 90% mud.	0.884
63.00	40% mud, 10% water, 20% oil, 30% gas	0.884
63.00	40% mud, 20% oil, 40% gas.	0.884
63.00	20% mud, 20% oil, 60% gas	0.884
63.00	100% gas	0.884
63.00	20% mud, 30% oil, 50% gas	0.884
67.00	30% mud, 30% oil, 40% gas	0.940

Total Length: 445.00 ft Total Volume: 6.244 bbl

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



DRILL STEM TEST REPORT

GAS RATES

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammek #1

Job Ticket: 18418 DST#: 1
Test Start: 2013.07.22 @ 18:13:00

Gas Rates Information

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

Gas Rates Table

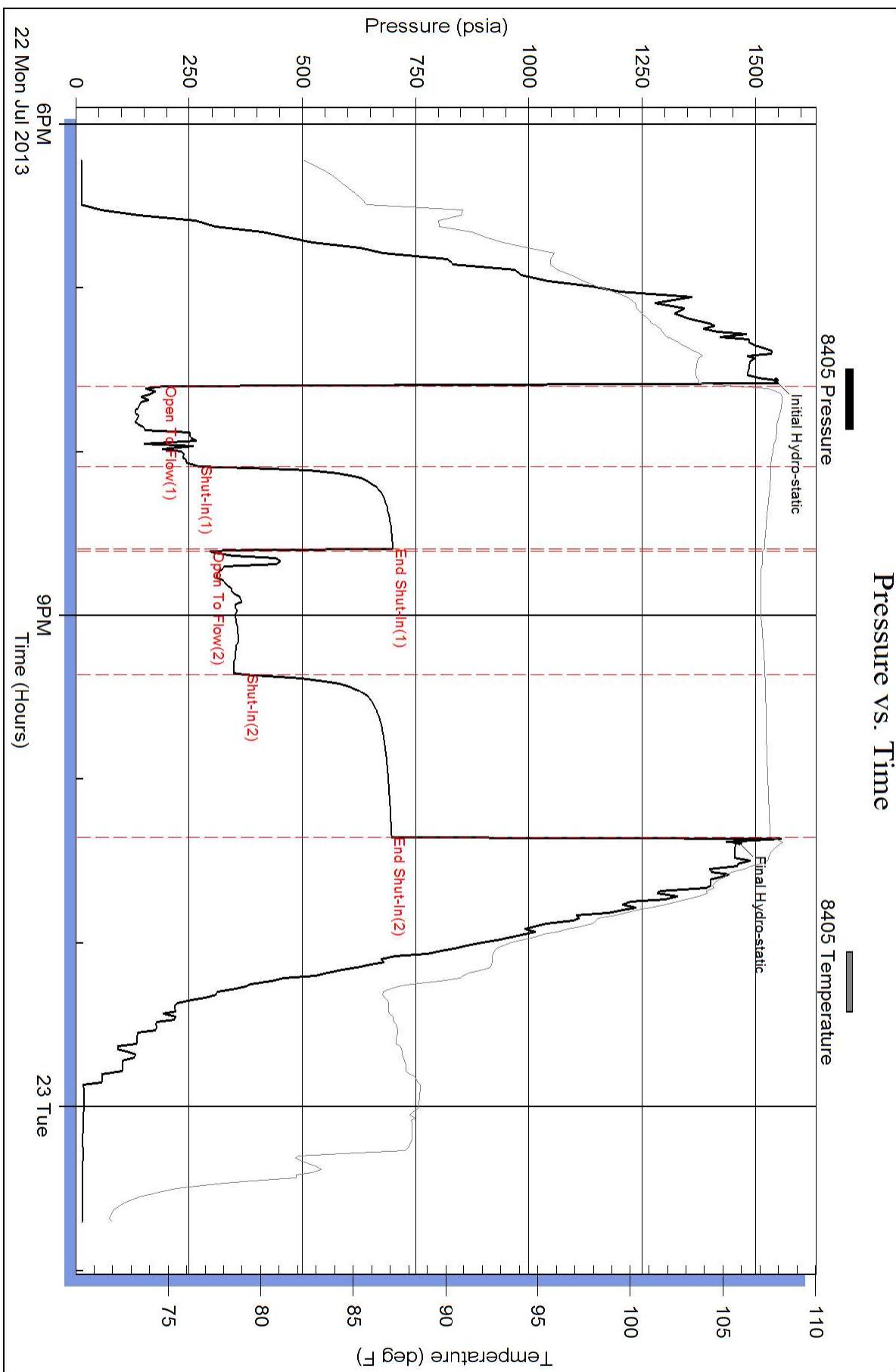
Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)
1	10	0.75	6.28	98.09
1	15	0.75	6.28	98.09
1	20	0.75	6.28	98.09
1	25	0.75	5.70	89.03
1	30	0.75	5.50	85.91
3	5	0.75	4.45	69.51
3	10	0.75	4.45	69.51
3	15	0.75	4.45	69.51
3	20	0.50	4.40	29.68
3	25	0.50	5.20	35.08
3	30	0.50	4.40	29.68
3	35	0.50	4.60	31.03
3	40	0.50	4.40	29.68
3	45	0.50	4.40	29.68

Serial #: 8405

Inside RJM Company

Hanneke #1

DST Test Number: 1

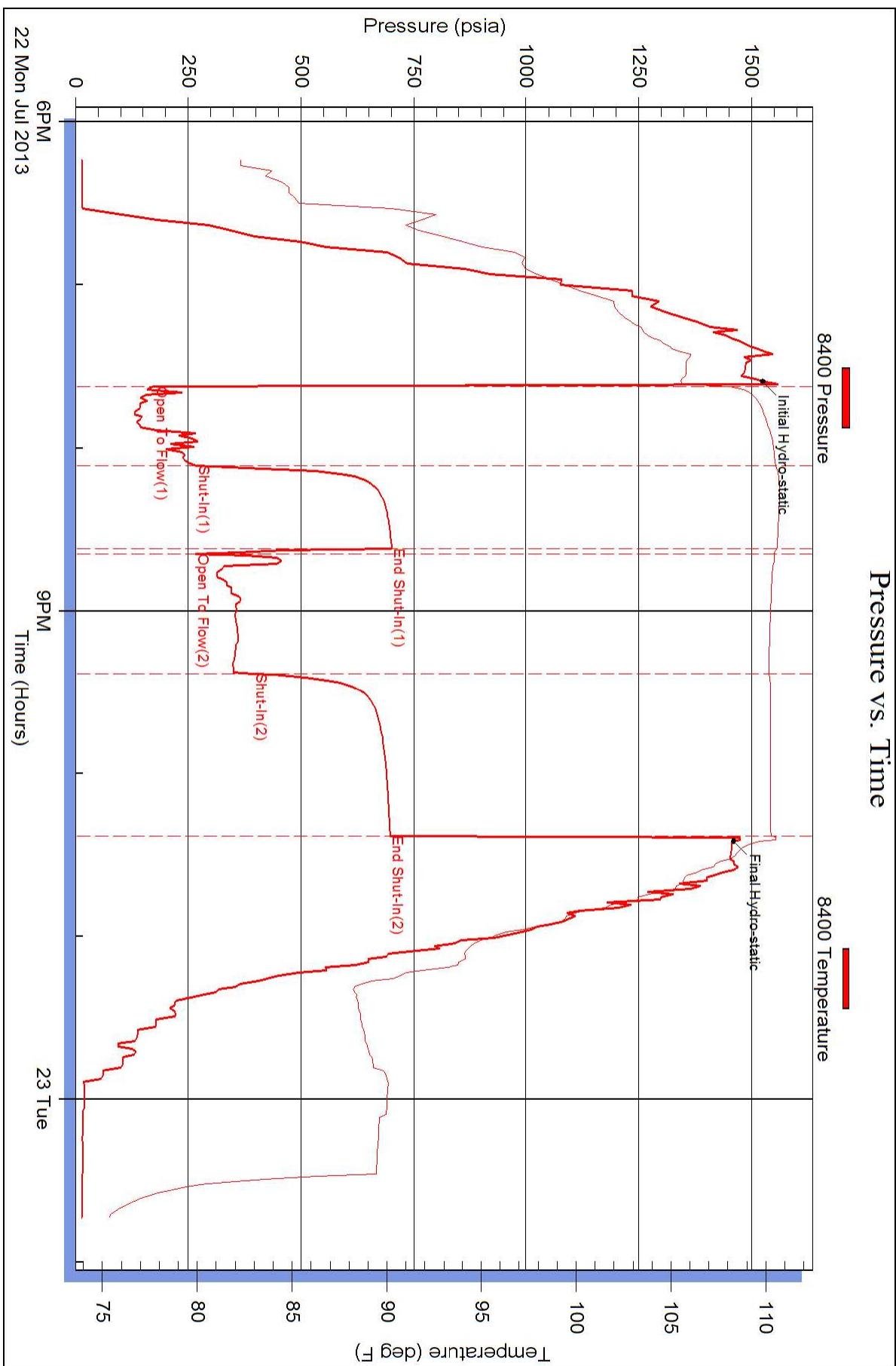


Serial #: 8400

Outside RJM Company

Hanneke #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O.Box 256
Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Hammek #1

13/19s/12w/Barton

Start Date: 2013.07.22 @ 07:44:00

End Date: 2013.07.22 @ 14:51:00

Job Ticket #: 18419 DST #: 2

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

Printed: 2013.07.22 @ 15:02:08

RJM Company

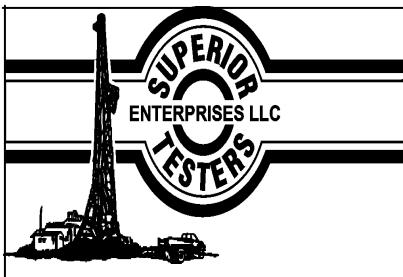
13/19s/12w/Barton

Hammek #1

DST # 2

LKC "D-F"

2013.07.22



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammeke #1

Job Ticket: 18419 DST#: 2
Test Start: 2013.07.22 @ 07:44:00

GENERAL INFORMATION:

Formation: LKC "D-F"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:38:30
Time Test Ended: 14:51:00
Interval: 3153.00 ft (KB) To 3184.00 ft (KB) (TVD)
Total Depth: 3184.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

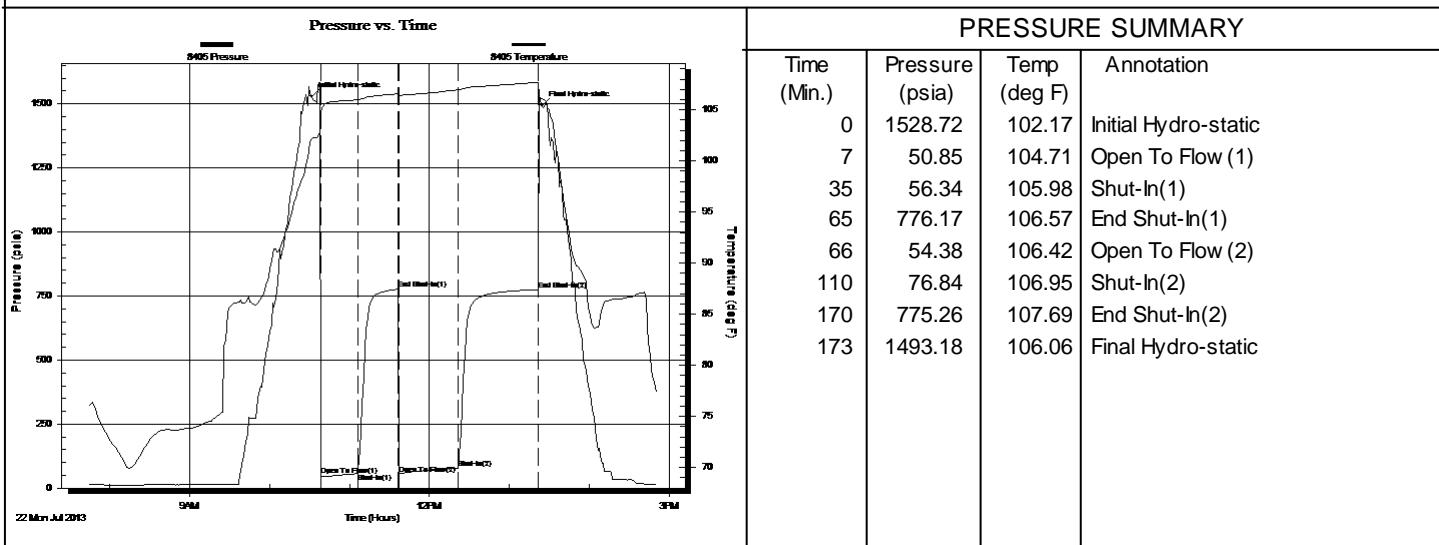
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8405 Inside

Press@RunDepth: 76.84 psia @ 3180.00 ft (KB)
Start Date: 2013.07.22 End Date: 2013.07.22
Start Time: 07:44:00 End Time: 14:51:00

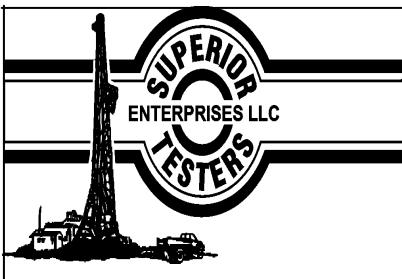
Capacity: 5000.00 psia
Last Calib.: 2013.07.22
Time On Btm: 2013.07.22 @ 10:31:30
Time Off Btm: 2013.07.22 @ 13:24:30

TEST COMMENT: 1st Open/ 30 Minutes. Good blow built to bottom of a 5 gallon bucket in 2 Minutes.
1st Shut In/ 30 Minutes. Blow back built to 1/2 an inch in a 5 gallon bucket.
2nd Open/ 45 Minutes. Good blow built to bottom of 5 gallon bucket in 2 minutes 20 seconds. Gas to surface in 20 Minutes.



Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3184 feet gas.	0.00
30.00	Gassy Oil	0.42
80.00	10% mud, 5% water, 5% gas, 80% oil.	1.12

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.30	3.85
Last Gas Rate	0.25	5.20	8.25
Max. Gas Rate	0.13	12.10	4.53



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18419 DST#: 2
Test Start: 2013.07.22 @ 07:44:00

GENERAL INFORMATION:

Formation: LKC "D-F"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:38:30
Time Test Ended: 14:51:00
Interval: 3153.00 ft (KB) To 3184.00 ft (KB) (TVD)
Total Depth: 3184.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

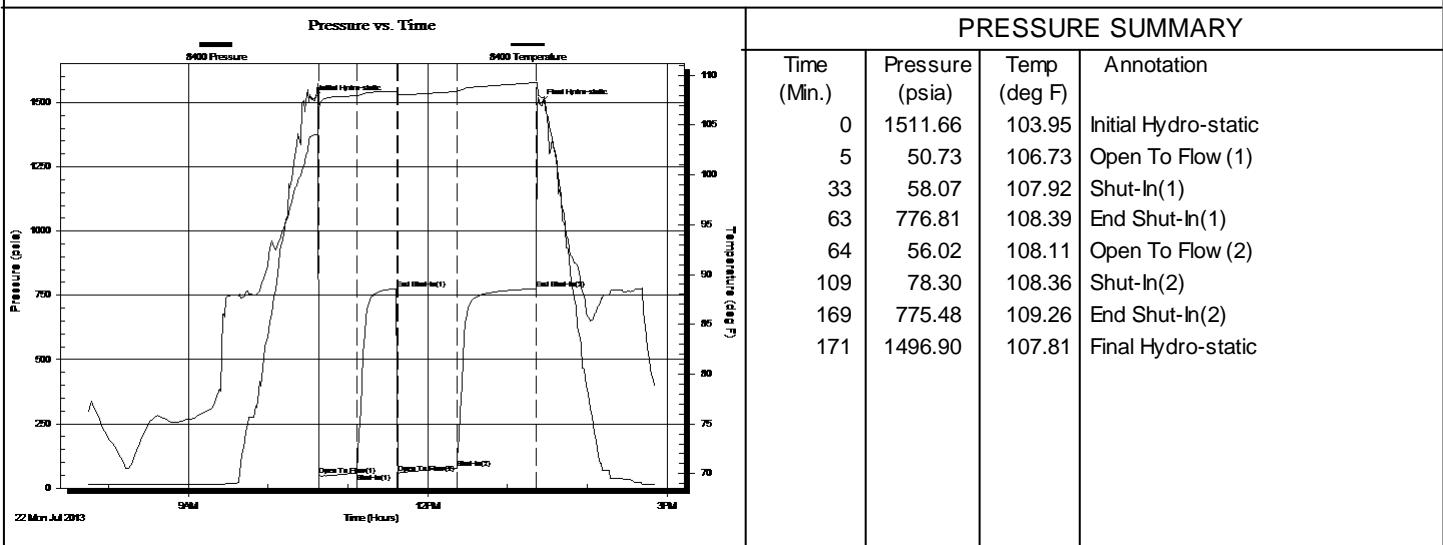
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8400 Outside

Press@RunDepth: 775.48 psia @ 3181.00 ft (KB)
Start Date: 2013.07.22 End Date: 2013.07.22
Start Time: 07:44:00 End Time: 14:51:30

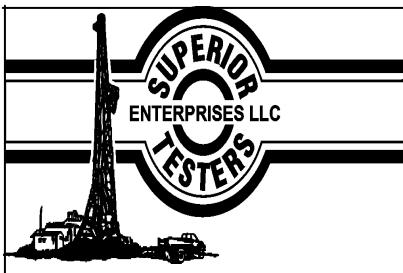
Capacity: 5000.00 psia
Last Calib.: 2013.07.22
Time On Btm: 2013.07.22 @ 10:33:30
Time Off Btm: 2013.07.22 @ 13:24:30

TEST COMMENT: 1st Open/ 30 Minutes. Good blow built to bottom of a 5 gallon bucket in 2 Minutes.
1st Shut In/ 30 Minutes. Blow back built to 1/2 an inch in a 5 gallon bucket.
2nd Open/ 45 Minutes. Good blow built to bottom of 5 gallon bucket in 2 minutes 20 seconds. Gas to surface in 20 Minutes.



Recovery		
Length (ft)	Description	Volume (bbl)
0.00	3184 feet gas.	0.00
30.00	Gassy Oil	0.42
80.00	10% mud, 5% water, 5% gas, 80% oil.	1.12

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.30	3.85
Last Gas Rate	0.25	5.20	8.25
Max. Gas Rate	0.13	12.10	4.53



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

13/19s/12w/Barton

P.O.Box 256
Claflin Ks, 67525-0256

Hammek #1

ATTN: Jim Musgrove

Job Ticket: 18419

DST#: 2

Test Start: 2013.07.22 @ 07:44:00

Tool Information

Drill Pipe:	Length:	3142.00 ft	Diameter:	3.80 inches	Volume:	44.07 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:	54000.00 lb
					Total Volume:	44.07 bbl	Tool Chased	4.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	32000.00 lb
Depth to Top Packer:		3153.00 ft					Final	34000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		31.00 ft						
Tool Length:		52.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3133.00		
Shut-In Tool	5.00			3138.00		
Hydroic Tool	5.00			3143.00		
Packer	5.00			3148.00	21.00	Bottom Of Top Packer
Packer	5.00			3153.00		
Perforations	26.00			3179.00		
Recorder	1.00	8405	Inside	3180.00		
Recorder	1.00	8400	Outside	3181.00		
Bullnose	3.00			3184.00	31.00	Bottom Packers & Anchor
Total Tool Length:	52.00					



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammeke #1

Job Ticket: 18419 DST#: 2
Test Start: 2013.07.22 @ 07:44:00

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:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.60 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

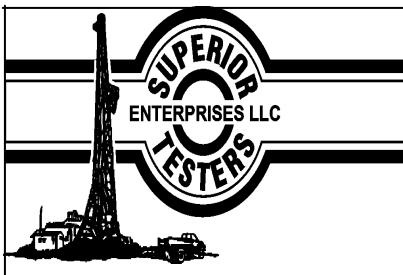
Length ft	Description	Volume bbl
0.00	3184 feet gas.	0.000
30.00	Gassy Oil	0.421
80.00	10% mud, 5% water, 5% gas, 80% oil.	1.122

Total Length: 110.00 ft Total Volume: 1.543 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammek #1

Job Ticket: 18419 **DST#:** 2
Test Start: 2013.07.22 @ 07:44:00

Gas Rates Information

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

Gas Rates Table

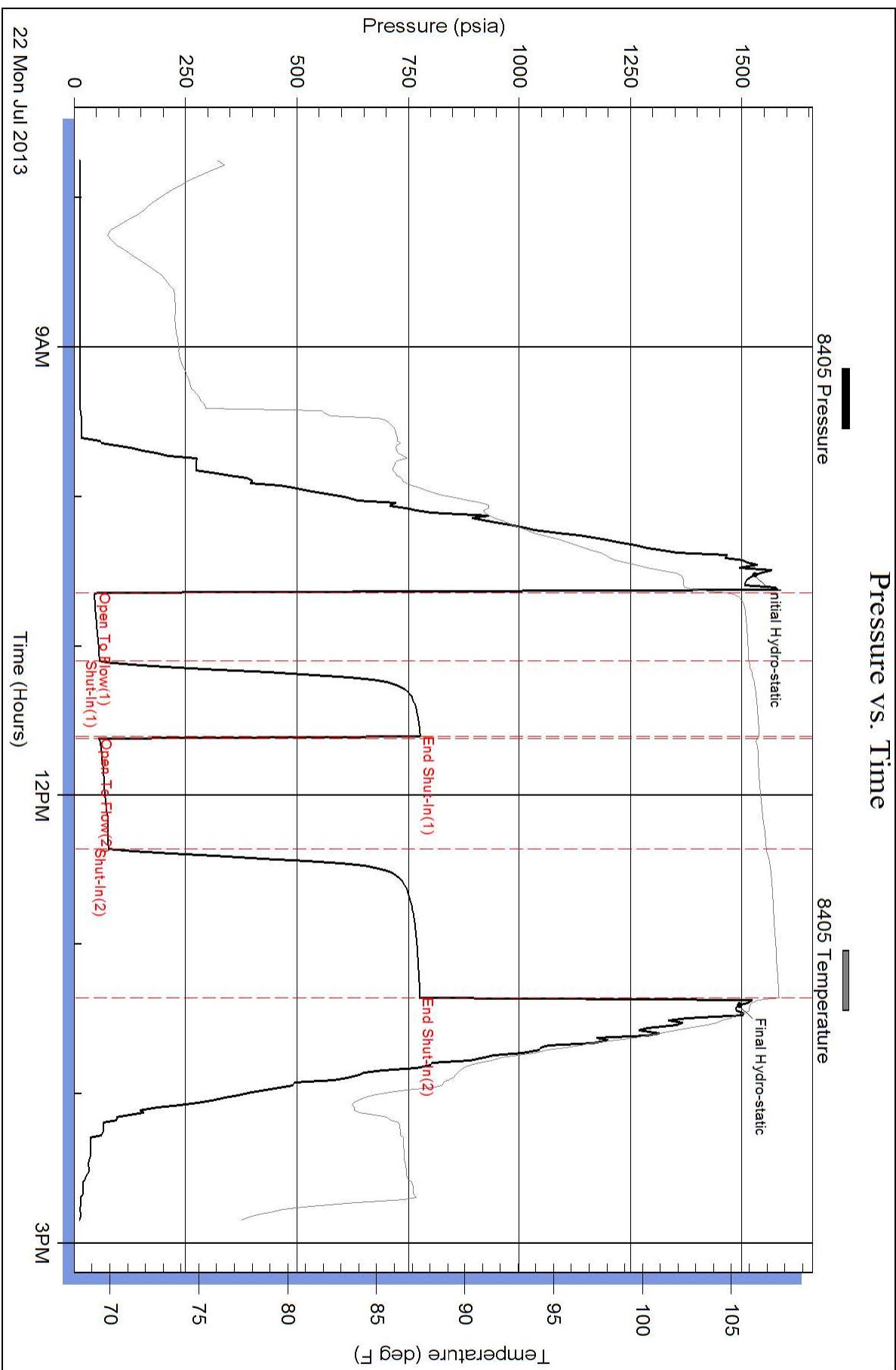
Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)
3	20	0.13	10.30	3.85
3	20	0.13	10.30	3.85
3	25	0.13	10.30	3.85
3	30	0.13	10.80	4.04
3	35	0.13	12.10	4.53
3	40	0.25	5.20	8.25

Serial #: 8405

Inside RJM Company

Hanneke #1

DST Test Number: 2

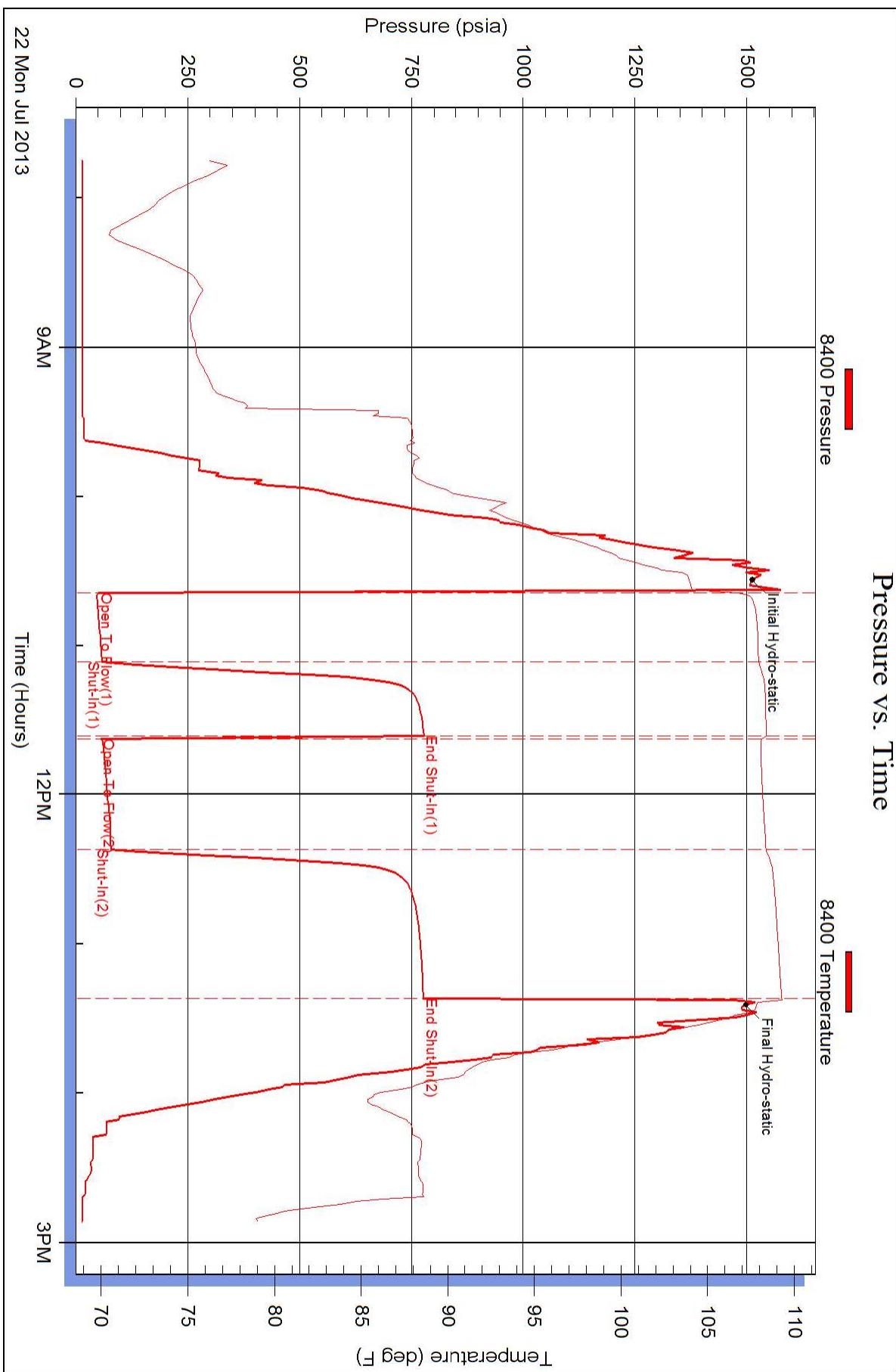


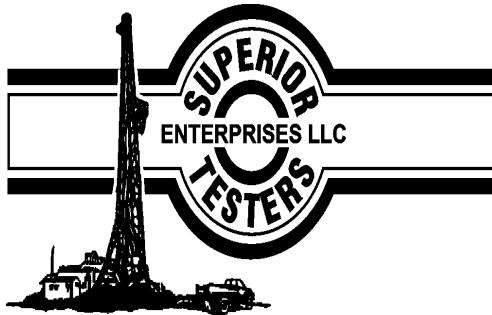
Serial #: 8400

Outside RJM Company

Hanneke #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O.Box 256
Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Hammek #1

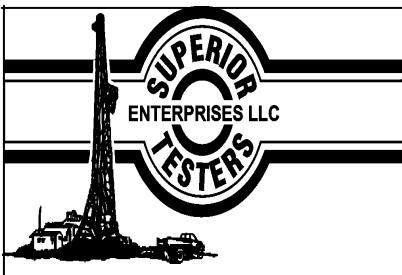
13/19s/12w/Barton

Start Date: 2013.07.23 @ 04:04:00

End Date: 2013.07.23 @ 10:31:30

Job Ticket #: 18420 DST #: 3

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



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18420 DST#: 3
Test Start: 2013.07.23 @ 04:04:00

GENERAL INFORMATION:

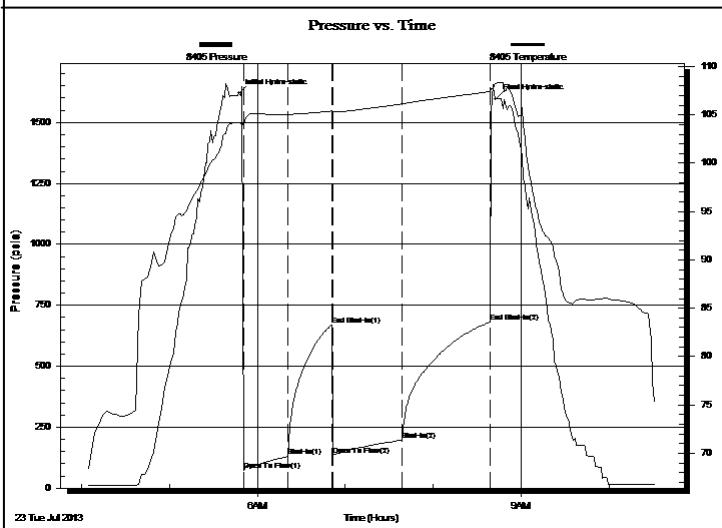
Formation: LKC "H-K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:50:30
Time Test Ended: 10:31:30
Interval: 3254.00 ft (KB) To 3326.00 ft (KB) (TVD)
Total Depth: 3326.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8405 Inside

Press@RunDepth: 197.25 psia @ 3322.53 ft (KB)
Start Date: 2013.07.23 End Date: 2013.07.23
Start Time: 04:04:00 End Time: 10:31:30
Capacity: 5000.00 psia
Last Calib.: 2013.07.23
Time On Btm: 2013.07.23 @ 05:47:30
Time Off Btm: 2013.07.23 @ 08:42:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair blow built to bottom of 5 gallon bucket in 18 minutes.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 45 Minutes. Fair blow built to 11 inches in 5 gallon bucket.
2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1619.10	104.15	Initial Hydro-static
3	72.23	103.91	Open To Flow (1)
33	129.83	105.01	Shut-In(1)
63	669.18	105.39	End Shut-In(1)
64	134.52	105.30	Open To Flow (2)
111	197.25	106.12	Shut-In(2)
172	682.11	107.41	End Shut-In(2)
175	1597.45	108.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas	0.00
1.00	Clean Oil	0.01
30.00	25% Water, 75% Mud	0.42
63.00	45% water, 55% mud	0.88
63.00	10% mud, 90% water	0.88
63.00	5% mud, 95% water	0.88

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18420 DST#: 3
Test Start: 2013.07.23 @ 04:04:00

GENERAL INFORMATION:

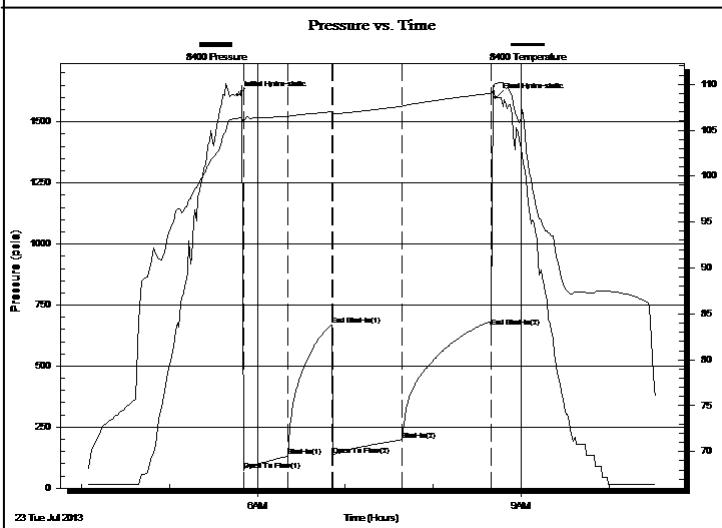
Formation: LKC "H-K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:50:30
Time Test Ended: 10:31:30
Interval: 3254.00 ft (KB) To 3326.00 ft (KB) (TVD)
Total Depth: 3326.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8400 Outside

Press@RunDepth: 660.59 psia @ 3323.53 ft (KB)
Start Date: 2013.07.23 End Date: 2013.07.23
Start Time: 04:04:00 End Time: 10:31:30
Capacity: 5000.00 psia
Last Calib.: 2013.07.23
Time On Btm: 2013.07.23 @ 05:46:30
Time Off Btm: 2013.07.23 @ 08:42:30

TEST COMMENT: 1st Open/ 30 Minutes. Fair blow built to bottom of 5 gallon bucket in 18 minutes.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 45 Minutes. Fair blow built to 11 inches in 5 gallon bucket.
2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

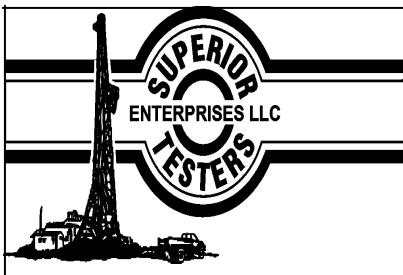
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1609.12	106.29	Initial Hydro-static
4	72.90	105.97	Open To Flow (1)
34	130.00	106.46	Shut-In(1)
64	669.30	107.01	End Shut-In(1)
65	135.02	106.81	Open To Flow (2)
113	198.34	107.59	Shut-In(2)
173	660.59	109.01	End Shut-In(2)
176	1599.79	110.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas	0.00
1.00	Clean Oil	0.01
30.00	25% Water, 75% Mud	0.42
63.00	45% water, 55% mud	0.88
63.00	10% mud, 90% water	0.88
63.00	5% mud, 95% water	0.88

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammek #1

Job Ticket: 18420 DST#: 3
Test Start: 2013.07.23 @ 04:04:00

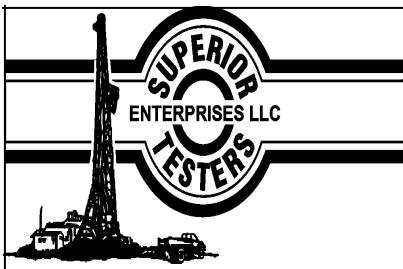
Tool Information

Drill Pipe:	Length:	3265.00 ft	Diameter:	3.80 inches	Volume:	45.80 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:	48000.00 lb
					Total Volume:	45.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight: Initial	34000.00 lb
Depth to Top Packer:		3254.00 ft					Final	37000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		72.53 ft						
Tool Length:		93.53 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3234.00	
Shut-In Tool	5.00			3239.00	
Hydroic Tool	5.00			3244.00	
Packer	5.00			3249.00	21.00 Bottom Of Top Packer
Packer	5.00			3254.00	
Perforations	5.00			3259.00	
Change Over Sub	0.75			3259.75	
Drill Pipe	32.03			3291.78	
Change Over Sub	0.75			3292.53	
Perforations	29.00			3321.53	
Recorder	1.00	8405	Inside	3322.53	
Recorder	1.00	8400	Outside	3323.53	
Bullnose	3.00			3326.53	72.53 Bottom Packers & Anchor

Total Tool Length: 93.53



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18420
Test Start: 2013.07.23 @ 04:04:00

DST#: 3

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:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.60 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	No gas	0.000
1.00	Clean Oil	0.014
30.00	25% Water, 75% Mud	0.421
63.00	45% water, 55% mud	0.884
63.00	10% mud, 90% water	0.884
63.00	5% mud, 95% water	0.884
63.00	10% mud, 90% water	0.884
0.00	Chloride recov. 28000 ppm	0.000
0.00	resist recov .22 at 50 degrees.	0.000

Total Length: 283.00 ft Total Volume: 3.971 bbl

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

Laboratory Name: Laboratory Location:

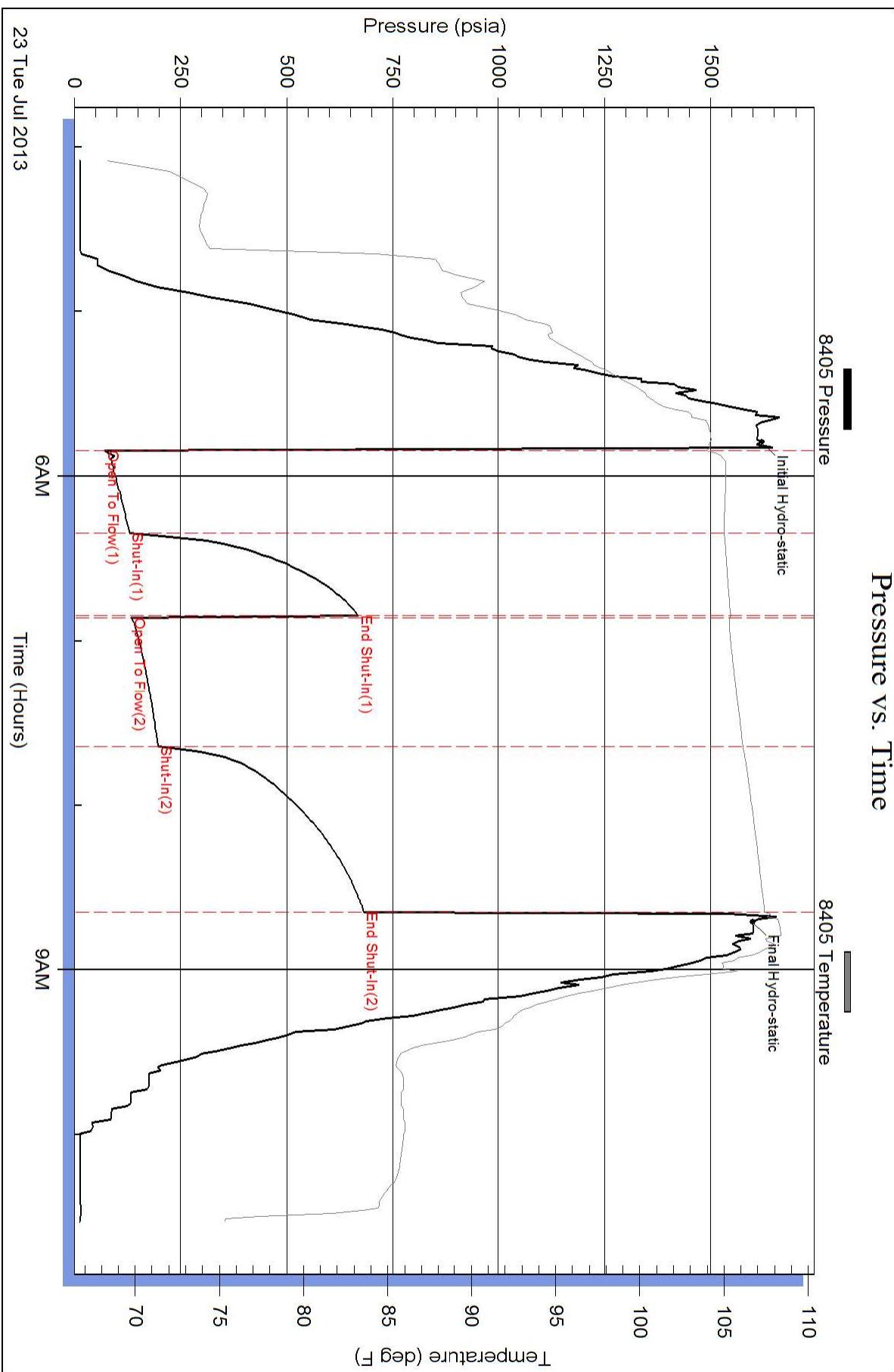
Recovery Comments:

Serial #: 8405

Inside RJM Company

Hanneke #1

DST Test Number: 3

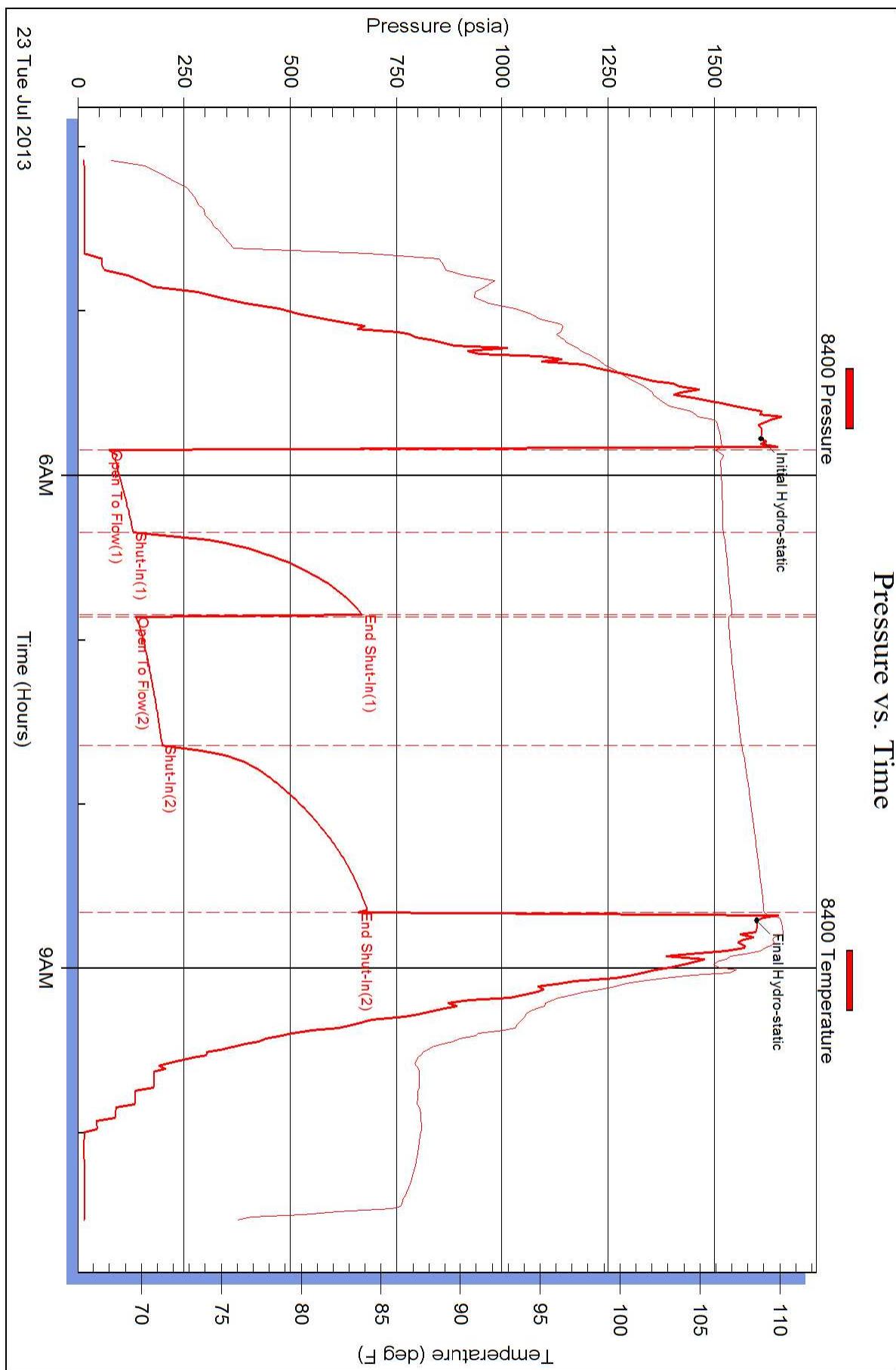


Serial #: 8400

Outside RJM Company

Hanneke #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O.Box 256
Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Hammeke #1

13/19s/12w/Barton

Start Date: 2013.07.24 @ 21:50:00

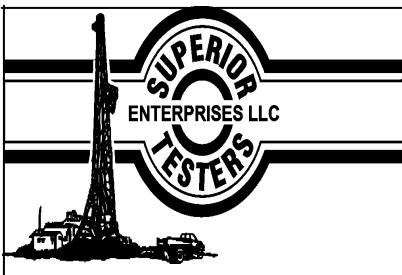
End Date: 2013.07.25 @ 02:56:30

Job Ticket #: 18421 DST #: 4

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

Printed: 2013.07.24 @ 02:32:24

RJM Company 13/19s/12w/Barton Hammeke #1 DST #4 Arbuckle 2013.07.24



DRILL STEM TEST REPORT

RJM Company
 P.O.Box 256
 Claflin Ks, 67525-0256
 ATTN: Jim Musgrove

13/19s/12w/Barton
Hammek #1
 Job Ticket: 18421 **DST#:** 4
 Test Start: 2013.07.24 @ 21:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:37:00
 Time Test Ended: 02:56:30
Interval: 3336.00 ft (KB) To 3412.00 ft (KB) (TVD)
 Total Depth: 3412.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/30/Great Bend

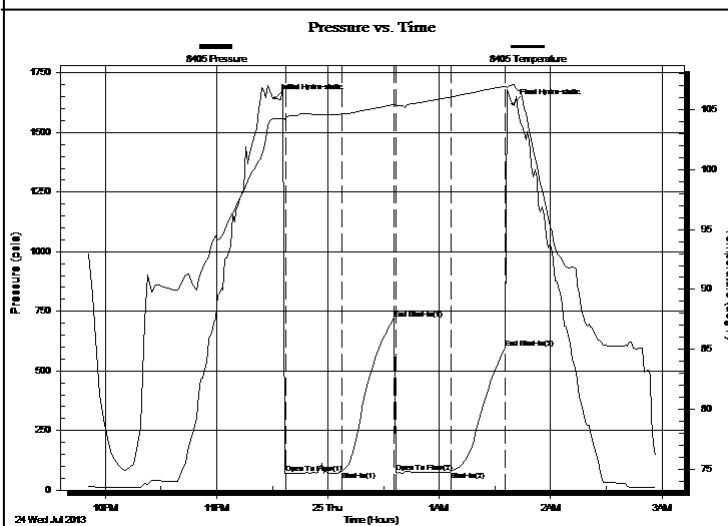
Reference Elevations: 1824.00 ft (KB)
 1815.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8405 Inside

Press@RunDepth: 78.81 psia @ 3408.17 ft (KB)
 Start Date: 2013.07.24 End Date: 2013.07.25
 Start Time: 21:50:00 End Time: 02:56:30

Capacity: 5000.00 psia
 Last Calib.: 2013.07.24
 Time On Btm: 2013.07.24 @ 23:31:30
 Time Off Btm: 2013.07.25 @ 01:39:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak surface blow . Died after 1 minute.
 1st Shut In/ 30 Minutes. No blow back.
 2nd Open/ 30 Minutes. No blow , flushed tool and gained a weak surface blow that died in 27 minutes.
 2nd Shut In/ 30 Minutes. No blow .



PRESSURE SUMMARY

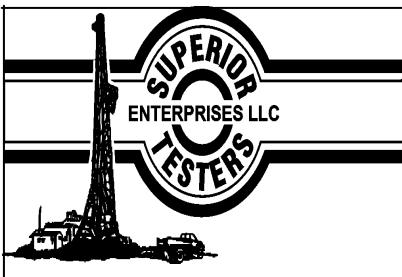
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1642.78	104.28	Initial Hydro-static
6	70.36	104.37	Open To Flow (1)
36	79.44	104.65	Shut-In(1)
64	719.77	105.42	End Shut-In(1)
65	73.26	105.31	Open To Flow (2)
95	78.81	106.08	Shut-In(2)
124	594.94	106.97	End Shut-In(2)
128	1619.21	107.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas.	0.00
2.00	CLean oil	0.03
29.00	10% Oil, 90% mud.	0.41

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18421 DST#: 4
Test Start: 2013.07.24 @ 21:50:00

GENERAL INFORMATION:

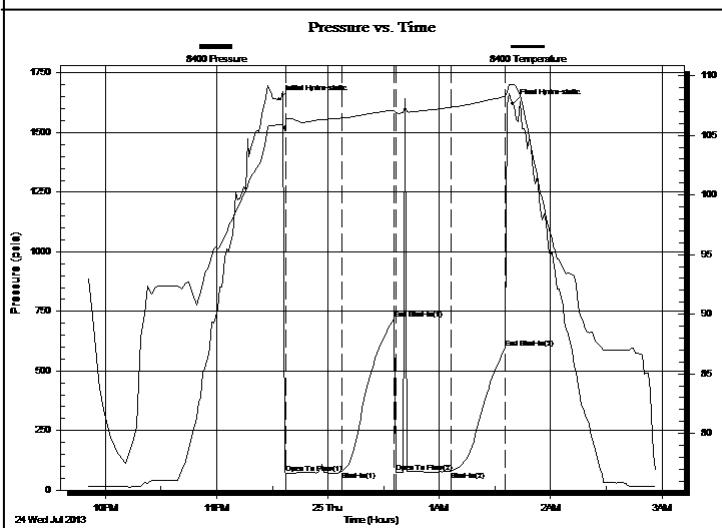
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:37:00
Time Test Ended: 02:56:30
Interval: 3336.00 ft (KB) To 3412.00 ft (KB) (TVD)
Total Depth: 3412.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 3330/30/Great Bend
Reference Elevations: 1824.00 ft (KB)
1815.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8400 Outside

Press@RunDepth: 594.01 psia @ 3409.17 ft (KB)
Start Date: 2013.07.24 End Date: 2013.07.25
Start Time: 21:50:00 End Time: 02:56:30
Capacity: 5000.00 psia
Last Calib.: 2013.07.24
Time On Btm: 2013.07.24 @ 23:33:30
Time Off Btm: 2013.07.25 @ 01:39:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak surface blow . Died after 1 minute.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow , flushed tool and gained a weak surface blow that died in 27 minutes.
2nd Shut In/ 30 Minutes. No blow .



PRESSURE SUMMARY

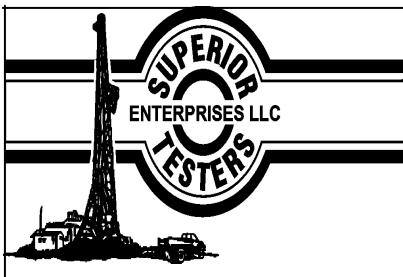
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1640.12	105.87	Initial Hydro-static
4	70.83	106.32	Open To Flow (1)
34	79.64	106.44	Shut-In(1)
62	718.55	107.11	End Shut-In(1)
63	75.27	106.86	Open To Flow (2)
93	79.29	107.35	Shut-In(2)
122	594.01	108.24	End Shut-In(2)
126	1621.75	109.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No gas.	0.00
2.00	CLean oil	0.03
29.00	10% Oil, 90% mud.	0.41

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton

Hammek #1

Job Ticket: 18421 **DST#:** 4
Test Start: 2013.07.24 @ 21:50:00

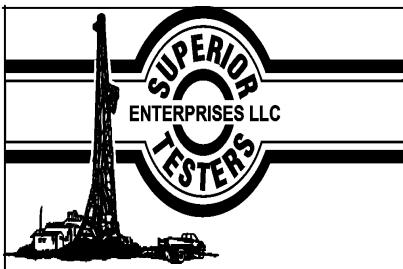
Tool Information

Drill Pipe: Length: 3334.00 ft Diameter: 3.80 inches Volume: 46.77 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: 52000.00 lb
Drill Pipe Above KB: 19.00 ft Total Volume: 46.77 bbl Tool Chased 0.00 ft
Depth to Top Packer: 3336.00 ft String Weight: Initial 34000.00 lb
Depth to Bottom Packer: ft Final 35000.00 lb
Interval betw een Packers: 76.17 ft
Tool Length: 97.17 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3316.00	
Shut-In Tool	5.00			3321.00	
Hydroic Tool	5.00			3326.00	
Packer	5.00			3331.00	21.00 Bottom Of Top Packer
Packer	5.00			3336.00	
Perforations	5.00			3341.00	
Change Over Sub	0.75			3341.75	
Drill Pipe	31.67			3373.42	
Change Over Sub	0.75			3374.17	
Perforations	33.00			3407.17	
Recorder	1.00	8405	Inside	3408.17	
Recorder	1.00	8400	Outside	3409.17	
Bullnose	3.00			3412.17	76.17 Bottom Packers & Anchor

Total Tool Length: 97.17



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
P.O.Box 256
Claflin Ks, 67525-0256
ATTN: Jim Musgrove

13/19s/12w/Barton
Hammeke #1
Job Ticket: 18421
Test Start: 2013.07.24 @ 21:50:00

DST#: 4

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.80 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	No gas.	0.000
2.00	CLean oil	0.028
29.00	10% Oil, 90% mud.	0.407

Total Length: 31.00 ft Total Volume: 0.435 bbl

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

Laboratory Name: Laboratory Location:

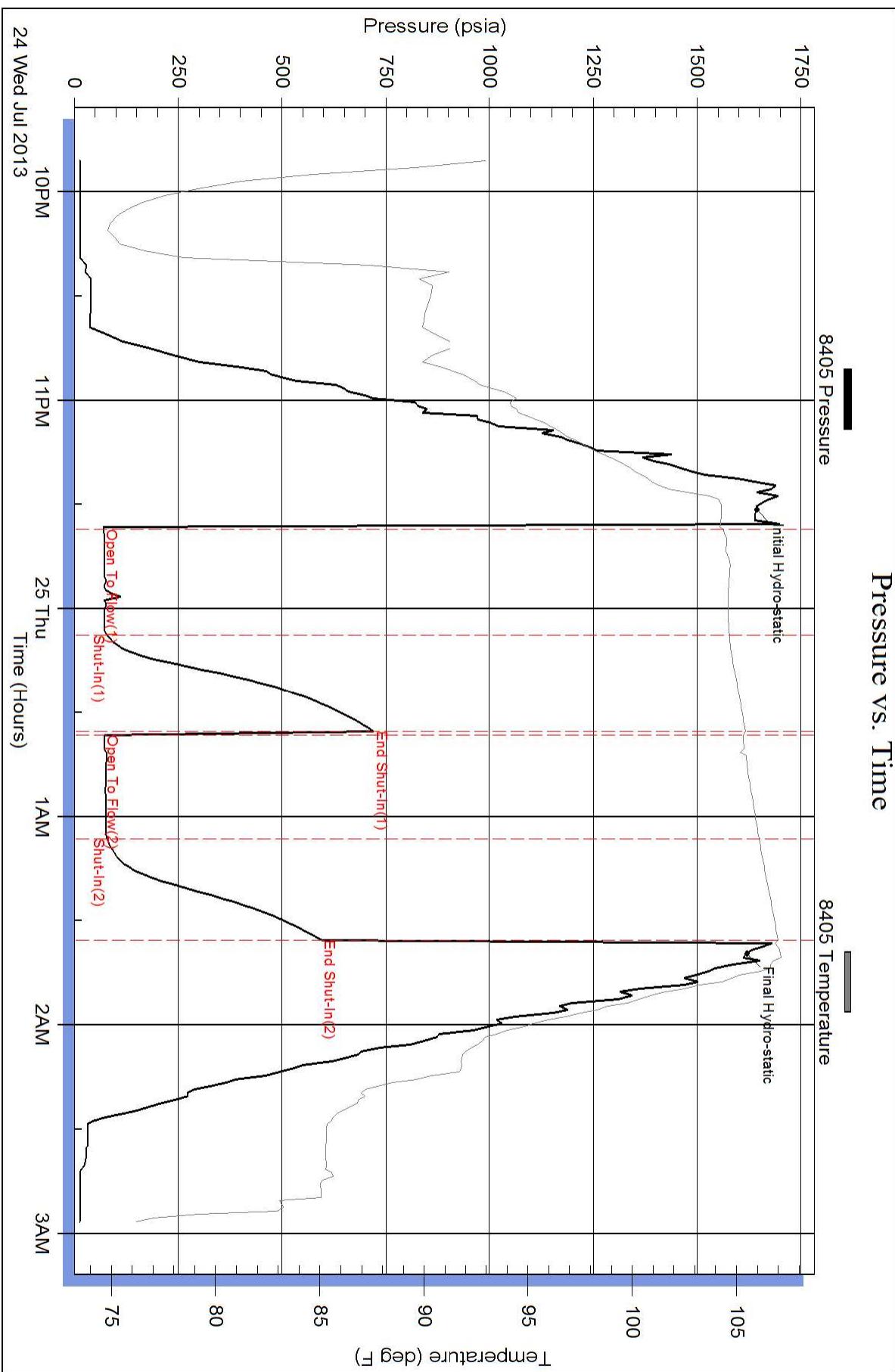
Recovery Comments:

Serial #: 8405

Inside RJM Company

Hanneke #1

DST Test Number: 4

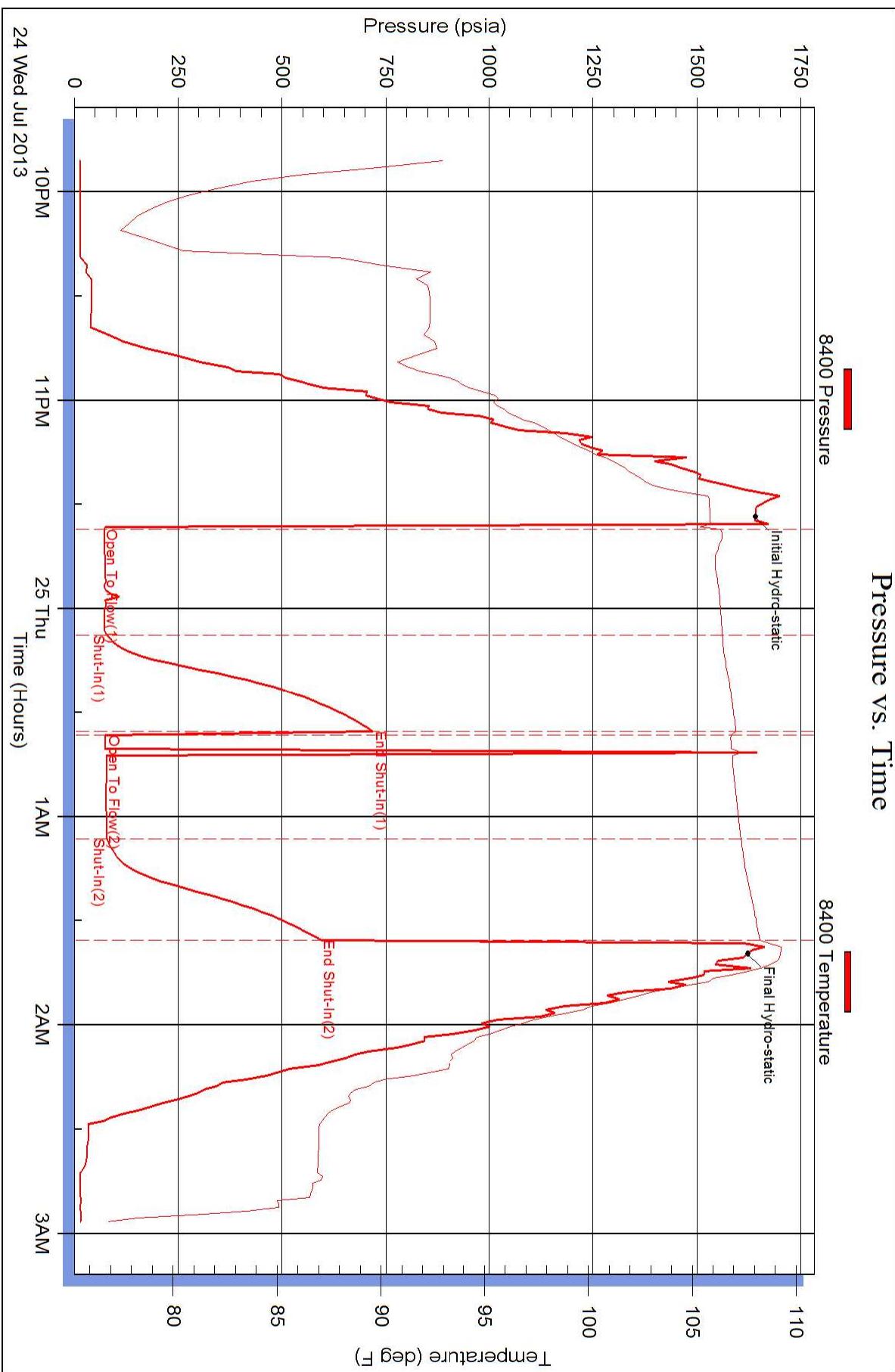


Serial #: 8400

Outside RJM Company

Hanneke #1

DST Test Number: 4



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 7267

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-18-13	13	19	12	Barton	KS		11:30 PM

Location Great Bend Juco Rd E to 90 Rd 15 Eint

Lease Hammelke	Well No. 1	Owner
Contractor Southwind #2		To Quality Oilwell Cementing, Inc.
Type Job Surface		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 12 1/4	T.D. 391	Charge To RJM
Csg. 8 5/8	Depth 391	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. 20'	Shoe Joint	Cement Amount Ordered 225 com 3+2 1/4 flow
Meas Line	Displace 23 1/2 bbl	Common 225
EQUIPMENT		
Pumptrk 5	No. 1 Cementer	Poz. Mix
	Helper Matt	
Bulktrk 10	No. 1 Driver	Gel. 4
	Driver Chad	
Bulktrk PU	No. 1 Driver	Calcium 8
	Driver Brett	

JOB SERVICES & REMARKS

Remarks:	Salt
Rat Hole	Flowseal 112#
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling 236
	Mileage

8 5/8 FLOAT EQUIPMENT

Cement	Guide Shoe
Circulated	Centralizer
Thank You!	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Surface
	Mileage 15 Tax
	Discount
X Signature William Sanders	Total Charge

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

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. 7939

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-24-13	13	19	12	Barton	Ks		12:00 AM
				Location Ellinwood, Ks - Southwind Shop			
Lease Hammek				Well No.	1	Owner 90th Ave, 2 3/4 N, E 1/4 Int	
Contractor Southwind #2				To Quality Oilwell Cementing, Inc.			
Type Job Production				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	7 7/8"	T.D.	3462'	Charge To	RJM Company		
Csg.	5 1/2" 15# New	Depth	3459.49'	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.	21.48'	Shoe Joint	21.48'	Cement Amount Ordered 180 sx Common 10% Salt			
Meas Line		Displace	81 3/4 BLS	5% Gilsonite - 500 gal mud Clear 48			
EQUIPMENT				Common	180		
Pumptrk 15	No. Cementer Helper	Nick		Poz. Mix			
Bulktrk 14	No. Driver Driver	Heath		Gel.			
Bulktrk p.u.	No. Driver Driver	Rick		Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt	16		
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal	900#		
Centralizers	1 - 9			Mud CLR 48	500 Gal		
Baskets	2 + 4			CFL-117 or CD110 CAF 38			
D/V or Port Collar	pipe on bottom, break			Sand			
Circulation pump 500 gal mud				Handling	205		
Clear 48, plug Rat hole w/ 300sx				Mileage			
Plug mouse hole w/ 150sx, back to				FLOAT EQUIPMENT			
Casting + mix 135 sx cement,				Guide Shoe			
shut down wash pump + lines				Centralizer	9		
Released plug + Displaced with				Baskets	2		
81 3/4 BLS off water.				AFU Inserts	1		
Released + float held				Float Shoe			
Lift pressure 700 #				Latch Down			
Land plug to 1500 #				1 - Rubber plug			
				1 - Rotating head Assy			
				Pumptrk Charge	prod long string		
				Mileage	15		
				Tax			
				Discount			
				Total Charge			

X Signature William J. Schaefer

GENERAL TERMS AND CONDITIONS

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(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

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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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 29, 2013

Brian Miller
RJM Company
PO BOX 256
CLAFLIN, KS 67525-0256

Re: ACO1
API 15-009-25853-00-00
Hammek 1
NW/4 Sec.13-19S-12W
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,
Brian Miller