

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1204164

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🔲 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
☐ Oil ☐ WSW ☐ SHOW ☐ 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:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name:
GSW Permit #:	Lease Name:
Spud Date or Date Reached TD Completion Date or Recompletion Date	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:					

Page Two



Operator Name:			L	ease Name: _			Well #:		
Sec Twp	S. R	East We	est C	County:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott			
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log	
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample	
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		Yes Yes	No No						
List All E. Logs Run:									
		(CASING REC	ORD Ne	w Used				
		· ·		ıctor, surface, inte	ermediate, producti		T		
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cem	ent #	# Sacks Used Type and Percent Additives					
Perforate Protect Casing	100 20111111								
Plug Back TD Plug Off Zone									
1 lag on zono									
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)	
Does the volume of the to		•				_	o question 3)	(" 100 ")	
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth	
	, ,				,		,		
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:				
						Yes No			
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity	
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.	
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:	
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	RJM Company
Well Name	Grasmick 1
Doc ID	1204164

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	389	Common	180	3% gel 6% calcium
Production	7.75	5.50	15.50	3324	Common		10% salt 5% gilsonite

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665 No. 160

Cell 785-324-1041												
	Sec.	Twp.	Range		County		State	1	On Loca	ation		nish Alan
Date 4-17-14	34	15	13	K	assell	K	5			1		o AM
		_			on Russel	11 5	1 0	Mè	healis	Rol	5 1/2	E 5,
Lease Grasmic	\		Well No.		Owner				·			<u>;</u>
Contractor South wi	ml H	6	•		To Quality Oi You are here	by requ	ested to	rent c	ementing ed	quipment	and furn	ish .
Type Job Surface				· · · · · · · · · · · · · · · · · · ·	cementer and	d helper	to assis	st owne	er or contrac	tor to do	work as	listed.
Hole Size /) '/y	•	T.D.	389		Charge R	JM		<u> </u>				
Csg. 8 5/8		Depth	389'		Street				·			
Tbg. Size		Depth	.•		City				State			
Tool		Depth			The above wa	s done to		tion and	supervision	of owner	agent or c	contractor.
Cement Left in Csg. 3	0'	Shoe J	oint		Cement Amo	ount Ord	ered /	80	com 3	% Cq	1/6	<u> 1901</u>
Meas Line		Displac	æ 1) ¾	1661								
	EQUIP	MENT			Common	180	·			·		
Pumptrk D Helpe	enter D	avid.			Poz. Mix					: 		
Bulktrk 3 No. Drive	rIXY	^a h			Gel.	<u> </u>			<u> </u>			
Bulktrk Pu No. Drive	Bro	e tr			Calcium 6	,						
JOB SE	ERVICES	& REMA	ARKS		Hulls						<u> </u>	
Remarks:					Salt					•		
Rat Hole		:			Flowseal				<u></u>			
Mouse Hole					Kol-Seal			· 				
Centralizers		_			Mud CLR 48						· · ·	
Baskets					CFL-117 or 0	CD110 C	CAF 38					
D/V or Port Collar		A6000			Sand			w				
	untililil			· //	Handling /	89						·
) \$5 A A A				Mileage							
						FLC	AT EQU	UIPME	NT			
					Guide Shoe							
Ceme	nt				Centralizer							
					Baskets							
) "	////II	. 74	. 200	AFU Inserts			<i>#</i>	// // ^{///}			
	<u>אר</u> ר	ex la	head in		Float Shoe							
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X Signature		rpp.			J					-		

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 constructed 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

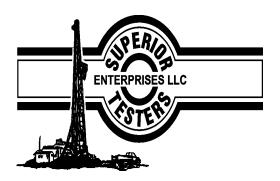
No. 052

Finish On Location State Sec. Twp. Range County che alix Location 28 Well No. Owner Lease To Quality Oilwell Cementing, Inc. Contractor 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 Charge T.D. Hole Size Depth Street State Depth City Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered 130 Common 1025 alt 5% Cement Left in Csg Shoe Joint - 500 gr Displace Meas Line **EQUIPMENT** Common Cementer • Poz. Mix Helper Pumptrk Driver Gel. Driver Driver Calcium JOB SERVICES & REMARKS Hulls Salt Remarks: Flowseal Rat Hole Kol-Seal Mouse Hole Mud CLR 48 Centralizers CFL-117 or CD110 CAF 38 Baskets D/V or Port Collar no a Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets **AFU Inserts** Float Shoe DRO SSLIVE Latch Down Pumptrk Charge Mileage Tax Discount X Signature Total Charge

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- -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.
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- (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 employ-
- 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 constructed 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.



Prepared For: **RJM Company**

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

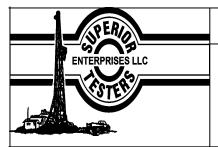
ATTN: Jim Musgrove

Grasmick #1

34/15s/13w/Russell

Start Date: 2014.04.20 @ 09:40:00 End Date: 2014.04.20 @ 17:15:00 Job Ticket #: 19231 DST#: 1

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



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1 Job Ticket: 19231

DST#: 1

Claflin Ks, 67525-0256

Test Start: 2014.04.20 @ 09:40:00

ATTN: Jim Musgrove

GENERAL INFORMATION:

Formation: LKC A-F

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 12:16:30 Tester: Shane Konzem Time Test Ended: 17:15:00 Unit No: 3335/50/Great Bend

Interval: 3060.00 ft (KB) To 3120.00 ft (KB) (TVD)

Total Depth: 3120.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

1870.00 ft (KB) Reference Elevations:

1862.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6666 Inside

179.86 psig @ Press@RunDepth: 3116.41 ft (KB) Capacity: 5000.00 psig

Start Date: 2014.04.20 End Date: 2014.04.20 Last Calib.: 2014.04.20 Start Time: 09:40:00 End Time: 17:15:00 Time On Btm: 2014.04.20 @ 12:10:30

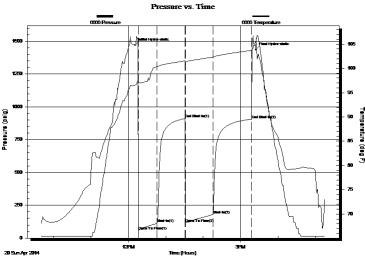
Time Off Btm: 2014.04.20 @ 15:24:00

TEST COMMENT: 1st Open/ 30 Minutes. Good blow built to the bottom of 5 gallon bucket in 14 minutes and 45 Seconds.

1st Shut In/ 45 Minutes. Weak surface blow back.

2nd Open/ 45 Minutes. Good blow built to bottom of 5 gallon bucket in 15 minutes.

2nd Shut In/ 60 Minutes. Blow back built to 2 inches into bucket of water.



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1470.58	96.55	Initial Hydro-static
	6	57.37	97.04	Open To Flow (1)
	36	112.63	100.34	Shut-In(1)
	81	910.70	101.56	End Shut-In(1)
	81	113.67	101.31	Open To Flow (2)
	125	179.86	102.32	Shut-In(2)
â	188	905.60	103.71	End Shut-In(2)
3	194	1434.68	105.32	Final Hydro-static

Cac Pater

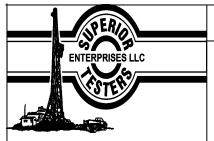
PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
31.00	20% mud, 30% water, 40% oil, 10% Ga	is 0.43
63.00	25% w ater, 5% Gas, 10% Oil, 60% Mu	88.0 b
126.00	5% oil, 50% water, 45% Mud	1.77
63.00	25% Water, 75% Mud	0.88
0.00	409 foot gas	0.00
0.00	Chloride recov, 38000 ppm	0.00

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

Superior Testers Enterprises LLC Ref. No: 19231 Printed: 2014.04.20 @ 18:51:31



RJM Company

34/15s/13w/Russell

P.O. Box 256

Grasmick #1

Tester:

DST#:1

Claflin Ks, 67525-0256

Job Ticket: 19231

Reference Elevations:

DO 1 // 1

ATTN: Jim Musgrove

Test Start: 2014.04.20 @ 09:40:00

GENERAL INFORMATION:

Formation: LKC A-F

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 12:16:30 Time Test Ended: 17:15:00

Unit No: 3335/50/Great Bend

Shane Konzem

3060.00 ft (KB) To 3120.00 ft (KB) (TVD)

1870.00 ft (KB)

Total Depth: 3120.00 ft (KB) (TVD)

1862.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 6748

Outside

907.14 psig @

3117.41 ft (KB)

Capacity:

5000.00 psig

Press@RunDepth: Start Date:

2014.04.20

End Date:

2014.04.20 Last Calib.:

2014.04.20

Start Time:

Interval:

09:40:00

End Time:

17:13:00

Time On Btm: 2014.04.20 @ 12:10:30

Time Off Btm:

2014.04.20 @ 15:25:30

TEST COMMENT: 1st Open/

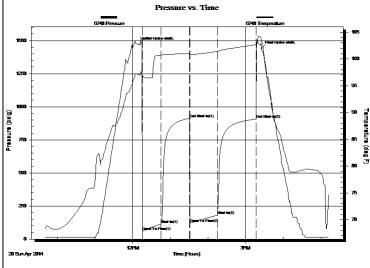
ist Openi

 $30\ \text{Minutes}.$ Good blow built to the bottom of 5 gallon bucket in 14 minutes and 45 Seconds.

1st Shut In/ 2nd Open/

45 Minutes. Weak surface blow back.
45 Minutes. Good blow built to bottom of 5 gallon bucket in 15 minutes.

2nd Shut In/ 60 Minutes. Blow back built to 2 inches into bucket of water.



Р	RESSUR	RE SU	MMAF	۲Y
	_	-		

	lime	Pressure	lemp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1471.54	97.06	Initial Hydro-static
	5	59.79	96.43	Open To Flow (1)
	35	113.95	100.74	Shut-In(1)
	80	912.30	101.04	End Shut-In(1)
	81	118.98	100.85	Open To Flow (2)
	125	181.47	101.40	Shut-In(2)
ì	187	907.14	102.66	End Shut-In(2)
,	195	1442.39	103.23	Final Hydro-static
			ı	

Recovery

Length (ft)	Description	Volume (bbl)
31.00	20% mud, 30% w ater, 40% oil, 10% Ga	ıs 0.43
63.00	25% w ater, 5% Gas, 10% Oil, 60% Mu	88.0 t
126.00	5% oil, 50% water, 45% Mud	1.77
63.00	25% Water, 75% Mud	0.88
0.00	409 foot gas	0.00
0.00	Chloride recov, 38000 ppm	0.00

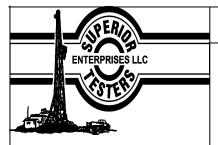
Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 19231

Printed: 2014.04.20 @ 18:51:31



Total Volume:

42.83 bbl

TOOL DIAGRAM

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Job Ticket: 19231 DST#: 1

Test Start: 2014.04.20 @ 09:40:00

Tool Information

Drill Pipe: Length: 3053.00 ft Diameter: 3.80 inches Volume: 42.83 bbl 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 58000.00 lb

Tool Chased 0.00 ft

String Weight: Initial 50000.00 lb Final 51000.00 lb

Printed: 2014.04.20 @ 18:51:31

Drill Pipe Above KB: 13.00 ft Depth to Top Packer: 3060.00 ft

Depth to Bottom Packer: ft Interval between Packers: 60.41 ft 80.41 ft Tool Length:

2 Diameter: 6.75 inches

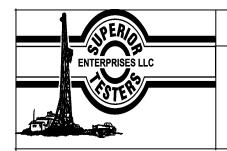
Ref. No: 19231

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3045.00		
Hydrolic Tool	5.00			3050.00		
Top Packer	5.00			3055.00		
Packer	5.00			3060.00	20.00	Bottom Of Top Packer
Anchor	0.00			3060.00		
Change Over Sub	0.75			3060.75		
Drill Pipe	31.91			3092.66		
Change Over Sub	0.75			3093.41		
Anchor	22.00			3115.41		
Recorder	1.00	6666	Inside	3116.41		
Recorder	1.00	6748	Outside	3117.41		
Bull Plug	3.00			3120.41	60.41	Anchor Tool

Total Tool Length: 80.41



FLUID SUMMARY

Printed: 2014.04.20 @ 18:51:32

RJM Company 34/15s/13w/Russell

P.O. Box 256 Grasmick #1

Claflin Ks, 67525-0256 Job Ticket: 19231 **DST#:1**

ATTN: Jim Musgrove Test Start: 2014.04.20 @ 09:40:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	20% mud, 30% w ater, 40% oil, 10% Gas	0.435
63.00	25% w ater, 5% Gas, 10% Oil, 60% Mud	0.884
126.00	5% oil, 50% w ater, 45% M ud	1.767
63.00	25% Water, 75% Mud	0.884
0.00	409 foot gas	0.000
0.00	Chloride recov, 38000 ppm	0.000
0.00	resist recov, .22 @ 50 degrees	0.000

Total Length: 283.00 ft Total Volume: 3.970 bbl

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

Laboratory Name: Laboratory Location:

Ref. No: 19231

Recovery Comments:

95

100

90

105

80

85

Temperature (deg F)

70

75

DST Test Number: 1

End Shut In(2)

90

95

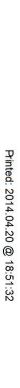
100

6748 Temperature

DST Test Number: 1

Final Hydro-static

105



3PM

70

80

75

85

Temperature (deg F)



Prepared For: RJM Company

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

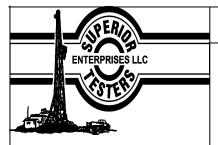
ATTN: Jim Musgrove

Grasmick #1

34/15s/13w/Russell

Start Date: 2014.04.20 @ 22:50:00 End Date: 2014.04.21 @ 04:20:30 Job Ticket #: 19232 DST #: 2

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



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Job Ticket: 19232

DST#: 2

Claflin Ks, 67525-0256
ATTN: Jim Musgrove

Test Start: 2014.04.20 @ 22:50:00

GENERAL INFORMATION:

Formation: LKC "G"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:16:30 Tester: Shane Konzem
Time Test Ended: 04:20:30 Unit No: 3335/50/Great Bend

Interval: 3123.00 ft (KB) To 3140.00 ft (KB) (TVD)

Total Depth: 3140.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1870.00 ft (KB)

Test Type: Conventional Bottom Hole (Initial)

1862.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 6666

 Press@RunDepth:
 52.72 psig @
 ft (KB)
 Capacity:
 5000.00 psig

 Start Date:
 2014.04.20
 End Date:
 2014.04.21
 Last Calib.:
 2014.04.21

 Start Time:
 22:50:00
 End Time:
 04:20:30
 Time On Btm:
 2014.04.21 @ 00:13:30

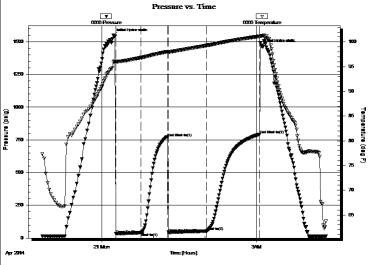
 Time Off Btm:
 2014.04.21 @ 03:06:00

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 3 inches into bucket of water.

1st Shut In/ 30 Minutes. No blow back.

2nd Open/ 45 Minutes. Weak blow built to 3 inches into bucket of water.

2nd Shut In/ 60 Minutes. No blow back.



THEOGRAE COMMUNICA							
í	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	1546.90	95.86	Initial Hydro-static			
	3	31.91	95.92	Open To Flow (1)			
	32	40.56	96.80	Shut-In(1)			
	63	767.59	98.02	End Shut-In(1)			
	64	42.88	97.91	Open To Flow (2)			
	109	52.72	99.27	Shut-In(2)			
	170	792.63	101.14	End Shut-In(2)			
,	173	1465.79	101.19	Final Hydro-static			
				_			

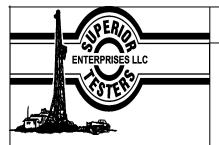
PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
100% Mud	0.07
	·

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

Superior Testers Enterprises LLC Ref. No: 19232 Printed: 2014.04.21 @ 05:59:06



TOOL DIAGRAM

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Job Ticket: 19232 DST#: 2

Test Start: 2014.04.20 @ 22:50:00

Tool Weight:

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3116.00 ft Diameter: Length:

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 43.71 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl Total Volume: 43.71 bbl

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 64000.00 lb

2000.00 lb

Final 51000.00 lb

Printed: 2014.04.21 @ 05:59:06

Tool Chased String Weight: Initial 50000.00 lb

0.00 ft

Drill Pipe Above KB: 13.00 ft Depth to Top Packer: 3123.00 ft

Depth to Bottom Packer: ft Interval between Packers: 17.00 ft 37.00 ft Tool Length:

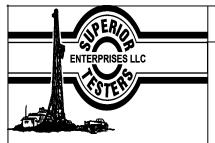
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3108.00		
Hydrolic Tool	5.00			3113.00		
Top Packer	5.00			3118.00		
Packer	5.00			3123.00	20.00	Bottom Of Top Packer
Anchor	12.00			3135.00		
Recorder	1.00	6666	Inside	3136.00		
Recorder	1.00	6748	Outside	3137.00		
Bull Plug	3.00			3140.00	17.00	Anchor Tool

Ref. No: 19232

Total Tool Length: 37.00



FLUID SUMMARY

ppm

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Serial #:

Claflin Ks, 67525-0256

Job Ticket: 19232 **DST#: 2**

Water Salinity:

Printed: 2014.04.21 @ 05:59:06

ATTN: Jim Musgrove

Test Start: 2014.04.20 @ 22:50:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight:9.00 lb/galCushion Length:ftViscosity:48.00 sec/qtCushion Volume:bbl

Water Loss: 8.80 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Ref. No: 19232

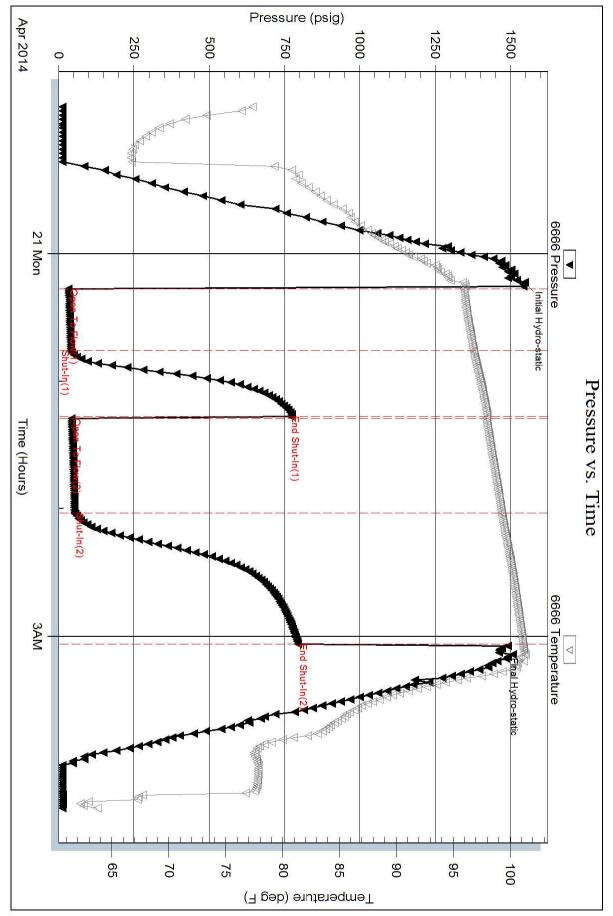
Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2014.04.21 @ 05:59:06

Serial #: 6666

RJM Company





Prepared For: **RJM Company**

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

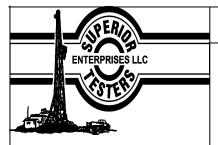
ATTN: Jim Musgrove

Grasmick #1

34/15s/13w/Russell

Start Date: 2014.04.21 @ 16:35:00 End Date: 2014.04.21 @ 23:39:00 Job Ticket #: 19233 DST #: 3

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



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1 Job Ticket: 19233

Unit No:

DST#: 3

Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Test Start: 2014.04.21 @ 16:35:00

GENERAL INFORMATION:

Formation: LKC "H-K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:25:30 Time Test Ended: 23:39:00

3153.00 ft (KB) To 3240.00 ft (KB) (TVD) Interval:

Total Depth: 3240.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: Shane Konzem

3335/50/Great Bend

1870.00 ft (KB)

Reference Elevations:

1862.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6666 Inside

Press@RunDepth: 83.62 psig @ 3236.67 ft (KB) Capacity: 5000.00 psig

Start Date: 2014.04.21 End Date: 2014.04.21 Last Calib.: 2014.04.22 Start Time: 16:35:00 End Time: 23:39:00 Time On Btm: 2014.04.21 @ 18:21:30

Time Off Btm: 2014.04.21 @ 21:47:00

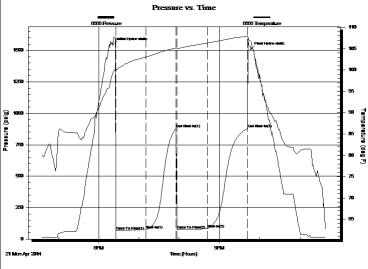
PRESSURE SUMMARY

TEST COMMENT: 1st Open/ 45 Minutes. Weak blow built to 2 inches into bucket of water.

1st Shut In/ 45 Minutes. No blow back.

2nd Open/ 45 Minutes. Weak blow built to 3 inches into bucket of water.

2nd Shut In/ 60 Minutes. No blow back.



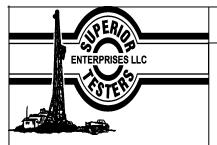
THEOGRAE COMMINATOR							
1	Time	Pressure	Temp	Annotation			
1	(Min.)	(psig)	(deg F)				
1	0	1544.14	99.26	Initial Hydro-static			
-	4	67.59	99.84	Open To Flow (1)			
1	49	74.28	103.03	Shut-In(1)			
.	95	880.87	105.14	End Shut-In(1)			
	95	74.01	104.97	Open To Flow (2)			
	141	83.62	106.30	Shut-In(2)			
	200	878.99	107.91	End Shut-In(2)			
'	206	1508.11	106.64	Final Hydro-static			
-							
-							
-							
-							
-							

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Oil, cut Mud	0.56

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

Superior Testers Enterprises LLC Ref. No: 19233 Printed: 2014.04.22 @ 01:02:04



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1 Job Ticket: 19233

DST#: 3

Claflin Ks, 67525-0256

1862.00 ft (CF)

ATTN: Jim Musgrove

Test Start: 2014.04.21 @ 16:35:00

GENERAL INFORMATION:

Formation: LKC "H-K"

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 18:25:30 Tester: Shane Konzem Time Test Ended: 23:39:00 Unit No: 3335/50/Great Bend

3153.00 ft (KB) To 3240.00 ft (KB) (TVD) 1870.00 ft (KB) Interval: Reference Elevations:

Total Depth: 3240.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor KB to GR/CF: Hole Diameter: 8.00 ft

Serial #: 8525 Outside

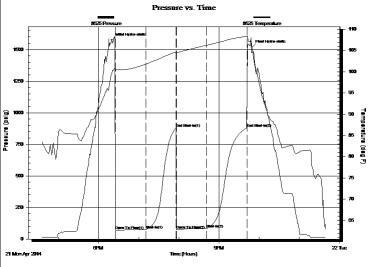
Press@RunDepth: 879.89 psig @ 3237.67 ft (KB) Capacity: 5000.00 psig

Start Date: 2014.04.21 End Date: 2014.04.21 Last Calib.: 2014.04.22 Start Time: 16:35:00 End Time: 23:39:30 Time On Btm: 2014.04.21 @ 18:19:30 Time Off Btm: 2014.04.21 @ 21:49:30

TEST COMMENT: 1st Open/ 45 Minutes. Weak blow built to 2 inches into bucket of water. 1st Shut In/ 45 Minutes. No blow back.

> 2nd Open/ 45 Minutes. Weak blow built to 3 inches into bucket of water.

2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMIMARY								
	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	1573.81	99.46	Initial Hydro-static				
	6	70.91	100.10	Open To Flow (1)				
	52	74.67	101.83	Shut-In(1)				
_	96	881.11	104.64	End Shut-In(1)				
Temperature (deg F	97	76.40	104.49	Open To Flow (2)				
	142	83.70	106.25	Shut-In(2)				
â	202	879.89	108.37	End Shut-In(2)				
J	210	1518.11	104.43	Final Hydro-static				

PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
Oil, cut Mud	0.56
	Description Oil, cut Mud

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

Superior Testers Enterprises LLC

Ref. No: 19233

Printed: 2014.04.22 @ 01:02:04



TOOL DIAGRAM

RJM Company

34/15s/13w/RusseII

P.O. Box 256 Claflin Ks, 67525-0256 Grasmick #1

Job Ticket: 19233

DST#: 3

ATTN: Jim Musgrove

Test Start: 2014.04.21 @ 16:35:00

Tool Information

Drill Collar:

Drill Pipe: Length: 3143.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter:

Length:

3.80 inches Volume: 44.09 bbl 0.00 inches Volume: 0.00 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb

Drill Pipe Above KB: 10.00 ft

0.00 inches Volume: 0.00 bbl

Total Volume: 44.09 bbl

Weight to Pull Loose: lb Tool Chased 1.00 ft

Printed: 2014.04.22 @ 01:02:04

Depth to Top Packer: 3153.00 ft
Depth to Bottom Packer: ft

String Weight: Initial 51000.00 lb

Interval between Packers: 87.67 ft
Tool Length: 107.67 ft

107.67 ft

0.00 ft Diameter:

Final lb

Tool Length: 107.67 ft
Number of Packers: 2

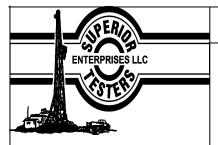
2 Diameter: 6.75 inches

Ref. No: 19233

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3138.00		
Hydrolic Tool	5.00			3143.00		
Top Packer	5.00			3148.00		
Packer	5.00			3153.00	20.00	Bottom Of Top Packer
Anchor	0.00			3153.00		
Change Over Sub	0.75			3153.75		
Drill Pipe	62.17			3215.92		
Change Over Sub	0.75			3216.67		
Anchor	19.00			3235.67		
Recorder	1.00	6666	Inside	3236.67		
Recorder	1.00	8525	Outside	3237.67		
Bull Plug	3.00			3240.67	87.67	Anchor Tool

Total Tool Length: 107.67



FLUID SUMMARY

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Serial #:

DST#: 3

Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Job Ticket: 19233

Test Start: 2014.04.21 @ 16:35:00

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: 43.00 sec/qt Cushion Volume: bbl

Water Loss: 9.60 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 7000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Oil, cut Mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

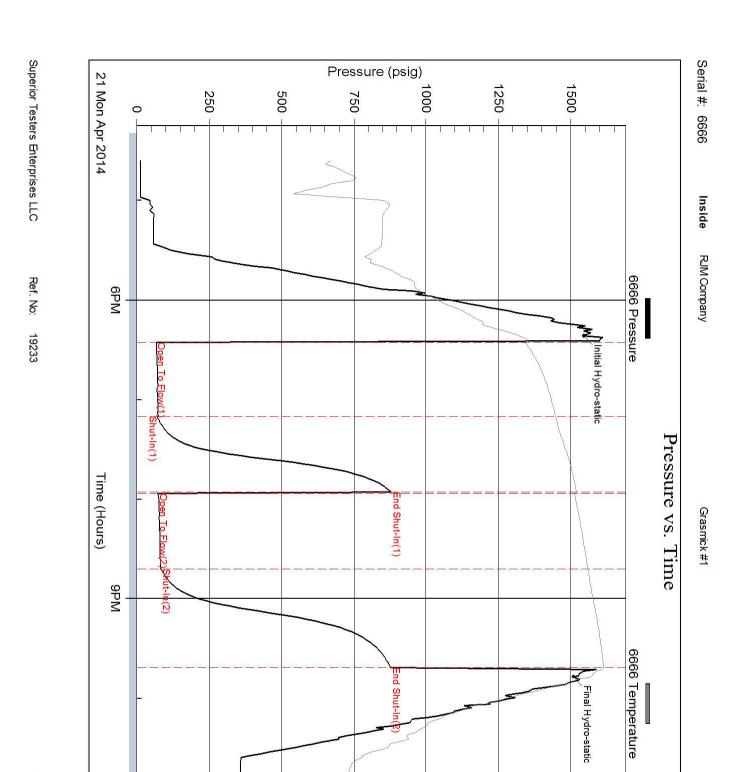
Laboratory Name: Laboratory Location:

Ref. No: 19233

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2014.04.22 @ 01:02:04



Temperature (deg F)

DST Test Number: 3

Printed: 2014.04.22 @ 01:02:04



Prepared For: RJM Company

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

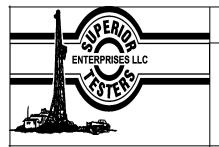
ATTN: Jim Musgrove

Grasmick #1

34/15s/13w/Russell

Start Date: 2014.04.22 @ 12:41:00 End Date: 2014.04.22 @ 19:35:30 Job Ticket #: 19234 DST #: 4

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



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1 Job Ticket: 19234

DST#:4

Claflin Ks, 67525-0256

1862.00 ft (CF)

ATTN: Jim Musgrove

Test Start: 2014.04.22 @ 12:41:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 14:19:30 Tester: Shane Konzem Time Test Ended: 19:35:30 Unit No: 3335/50/Great Bend

3300.00 ft (KB) To 3325.00 ft (KB) (TVD) Interval:

Total Depth: 3325.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

1870.00 ft (KB) Reference Elevations:

> KB to GR/CF: 8.00 ft

Serial #: 6666 Inside

68.08 psig @ Press@RunDepth: 3321.00 ft (KB) Capacity: 5000.00 psig

Start Date: 2014.04.22 End Date: 2014.04.22 Last Calib.: 2014.04.22 Start Time: 12:41:00 End Time: 19:35:30 Time On Btm: 2014.04.22 @ 14:15:30

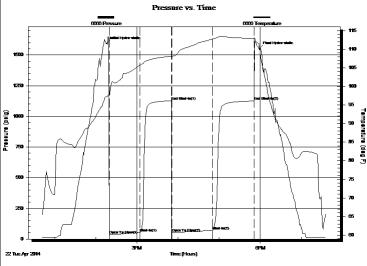
Time Off Btm: 2014.04.22 @ 17:58:30

TEST COMMENT: 1st Open/ 45 Minutes. Fair blow built to 5 inches into bucket of water.

> 1st Shut In/ 45 Minutes. No blow back.

60 Minutes. Fair blow built to 6 inches into bucket of water. 2nd Open/

2nd Shut In/ 60 Minutes. No blow back.



	(Min.)	(psig)	(deg F)	
	0	1591.38	97.31	Initial Hydro-static
	4	36.57	97.54	Open To Flow (1)
	49	50.85	105.70	Shut-In(1)
	95	1126.83	108.09	End Shut-In(1)
	96	51.15	107.85	Open To Flow (2)
	155	68.08	112.77	Shut-In(2)
`	216	1125.37	112.85	End Shut-In(2)
,	223	1548.22	111.40	Final Hydro-static

PRESSURE SUMMARY

Pressure Temp Annotation

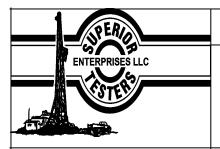
Recovery

Description	Volume (bbl)
100% Clean gassy oil	1.26
Oil cut Mud	0.14
0.00 corrected oil gravity w as 40	
	100% Clean gassy oil Oil cut Mud

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

Choke (inches) Pressure (psig)

Superior Testers Enterprises LLC Ref. No: 19234 Printed: 2014.04.22 @ 21:14:50



RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1 Job Ticket: 19234

DST#:4

Claflin Ks, 67525-0256

Test Start: 2014.04.22 @ 12:41:00

ATTN: Jim Musgrove

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:19:30 Time Test Ended: 19:35:30

3300.00 ft (KB) To 3325.00 ft (KB) (TVD)

Total Depth: 3325.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: Shane Konzem

3335/50/Great Bend

Reference Elevations:

1870.00 ft (KB)

1862.00 ft (CF) KB to GR/CF: 8.00 ft

Serial #: 8525 Press@RunDepth: Outside

1127.24 psig @

3322.00 ft (KB)

2014.04.22

Capacity:

5000.00 psig

Start Date: Start Time:

Interval:

2014.04.22 12:41:00

End Date: End Time:

19:34:30

Last Calib.: Time On Btm:

Unit No:

2014.04.22 2014.04.22 @ 14:14:30

Time Off Btm: 2014.04.22 @ 17:58:00

DDECCLIDE CLIMANA DV

TEST COMMENT: 1st Open/

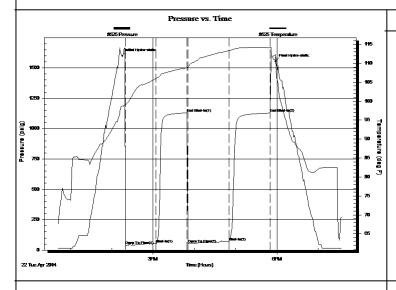
45 Minutes. Fair blow built to 5 inches into bucket of water.

1st Shut In/

45 Minutes. No blow back.

60 Minutes. Fair blow built to 6 inches into bucket of water. 2nd Open/

2nd Shut In/ 60 Minutes. No blow back.



	PRESSURE SUMMARY				
Time	Pressure	Temp	Annotation		
(Min.)	(psia)	(dea F)			

(Min.)	(psig)	(deg F)	
0	1598.23	98.67	Initial Hydro-static
5	38.81	98.86	Open To Flow (1)
50	52.71	106.00	Shut-In(1)
96	1128.80	108.81	End Shut-In(1)
96	53.01	108.90	Open To Flow (2)
156	69.84	113.32	Shut-In(2)
216	1127.24	114.13	End Shut-In(2)
224	1552.00	112.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	100% Clean gassy oil	1.26
10.00	Oil cut Mud	0.14
0.00	corrected oil gravity was 40	0.00
-		

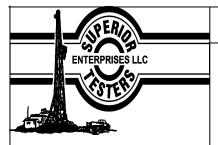
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 19234

Printed: 2014.04.22 @ 21:14:50



TOOL DIAGRAM

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Claflin Ks, 67525-0256

Job Ticket: 19234 **DST#:4**

ATTN: Jim Musgrove

Test Start: 2014.04.22 @ 12:41:00

Tool Information

Drill Pipe: Length: 3302.00 ft Diameter: 3.80 inches Volume: 46.32 bbl Tool Weight: 2000.00 lb 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 25000.00 lb Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pull Loose: 56000.00 lb Total Volume: 46.32 bbl Tool Chased 0.00 ft

Drill Pipe Above KB: 22.00 ft
Depth to Top Packer: 3300.00 ft
Depth to Bottom Packer: ft

 String Weight:
 Initial
 51000.00 lb

 ft
 Final
 51000.00 lb

Interval betw een Packers: 25.00 ft
Tool Length: 45.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

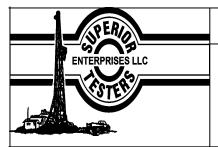
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3285.00		
Hydrolic Tool	5.00			3290.00		
Top Packer	5.00			3295.00		
Packer	5.00			3300.00	20.00	Bottom Of Top Packer
Anchor	20.00			3320.00		
Recorder	1.00	6666	Inside	3321.00		
Recorder	1.00	8525	Outside	3322.00		
Bull Plug	3.00			3325.00	25.00	Anchor Tool

Ref. No: 19234

Total Tool Length: 45.00

Superior Testers Enterprises LLC

Printed: 2014.04.22 @ 21:14:50



FLUID SUMMARY

RJM Company

34/15s/13w/RusseII

P.O. Box 256

Grasmick #1

Job Ticket: 19234

DST#:4

Claflin Ks, 67525-0256

ATTN: Jim Musgrove

Test Start: 2014.04.22 @ 12:41:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 8.80 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 9000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	100% Clean gassy oil	1.262
10.00	Oil cut Mud	0.140
0.00	corrected oil gravity was 40	0.000

Total Length: 100.00 ft Total Volume: 1.402 bbl

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

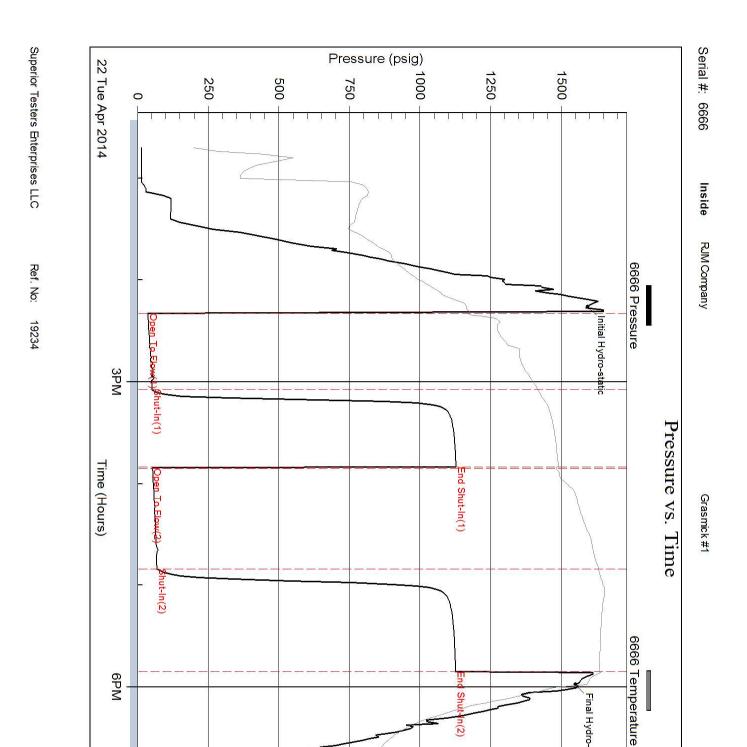
Laboratory Name: Laboratory Location:

Ref. No: 19234

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2014.04.22 @ 21:14:50



Temperature (deg F)

Final Hydro-static

DST Test Number: 4

In(2)

6PM

Serial #: 8525

Outside RJM Company

