



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1234698  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1234698

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# 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. 875

Date	11-5-14	Sec.	12	Twp.	16	Range	13	County	Barton	State	KS	On Location		Finish	2:30 AM
								Location							
								Barton/Russell county Line 7 1/2 E 1 1/2 S E into							

Lease	Patsy	Well No.	1	Owner	
Contractor	Southwind		2	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job	Surface			Charge To	RSm
Hole Size	12 1/2	T.D.	437	Street	
Csg.	8 5/8	Depth	437	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered 200 com 3% cc 2% gel	
Cement Left in Csg.	15	Shoe Joint	15		
Meas Line		Displace	26 3/4		

**EQUIPMENT**

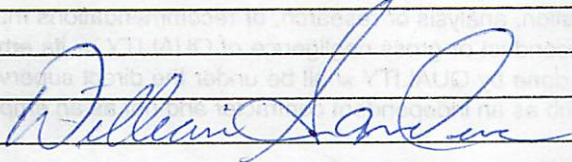
Pumptrk	16	No.		Cementer		Common	200
				Helper	Billy	Poz. Mix	
Bulktrk	1	No.		Driver	Jason	Gel.	4
				Driver		Calcium	7
Bulktrk	Pu	No.		Driver	Rick		

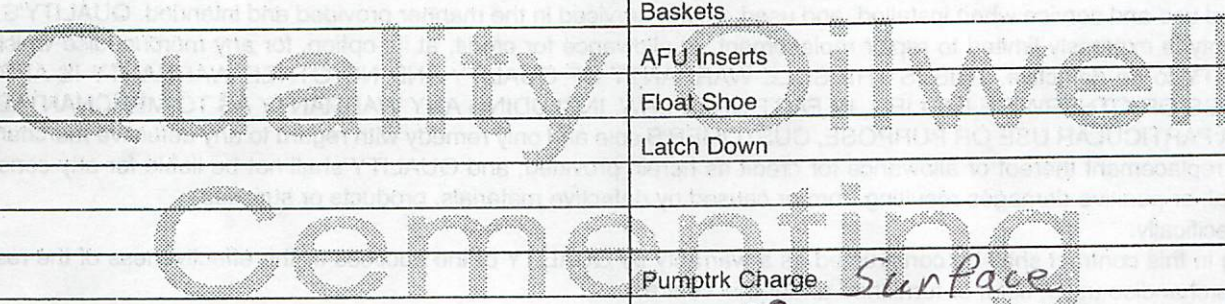
**JOB SERVICES & REMARKS**

Remarks:	Cement Did Circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	211
		Mileage	

**FLOAT EQUIPMENT**

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		Pumptrk Charge	Surface
		Mileage	22

X Signature		Tax	
		Discount	
		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 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. 880

Date	11-11-14	Sec.	12	Twp.	16	Range	13	County	Barton	State	Ks	On Location		Finish	3:15AM
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Location Susank, Ks - 3E, 2 3/4 N, E/Into

Lease	<u>Patsy</u>	Well No.	<u>1</u>	Owner	
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Contractor	<u>Southwind #2</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
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Type Job	<u>Longstring</u>	Charge To	<u>RJM Company</u>
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Hole Size	<u>7 7/8"</u>	T.D.	<u>3382'</u>	Street	
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Csg. Size	<u>5 1/2" New 15.50"</u>	Depth	<u>3372'</u>	City		State	
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Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Tool		Depth		Cement Amount Ordered	<u>180 Common 10% Salt 5% Gels</u>
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Cement Left in Csg.	<u>10'</u>	Shoe Joint	<u>10'</u>	Meas Line	<u>80 BLS</u>	Displace	<u>500 gal Mud Clear 48</u>
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EQUIPMENT				Common	<u>180</u>
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Pumptrk No.	<u>20</u>	Cementor	<u>Nick</u>	Poz. Mix	
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Bulktrk No.	<u>15</u>	Driver	<u>Chad</u>	Gel.	
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Bulktrk No.	<u>P.U.</u>	Driver	<u>Rick</u>	Calcium	
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JOB SERVICES & REMARKS				Hulls	
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Remarks:		Salt	<u>16</u>
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Rat Hole		Flowseal	
----------	--	----------	--

Mouse Hole		Kol-Seal	<u>900 #</u>
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Centralizers	<u>1-9</u>	Mud CLR 48	<u>500 gal</u>
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Baskets	<u>2, 5</u>	CFL-117 or CD110 CAF 38	
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D/V or Port Collar	<u>Pipe on bottom break</u>	Sand	
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Circulation	<u>500 gal Mud Clear 48, plug</u>	Handling	<u>205</u>
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Released plug + Displaced w/ 80 BLS of H <sub>2</sub> O. Released + held.		Mileage	
---------------------------------------------------------------------------	--	---------	--

Libt pressure	<u>700 #</u>	FLOAT EQUIPMENT	
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Land plug to	<u>1500 #</u>	Guide Shoe	
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		Centralizer	<u>9 turbo's</u>
--	--	-------------	------------------

		Baskets	<u>2</u>
--	--	---------	----------

		AFU Inserts	
--	--	-------------	--

		Float Shoe	<u>1</u>
--	--	------------	----------

		Latch Down	<u>1</u>
--	--	------------	----------

Signature William L...

Rotating Head	
Pumptrk Charge	<u>proab string</u>
Mileage	<u>22</u>
Tax	
Discount	
Total Charge	

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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.

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RJM

DST #1 Lansing A-F 3122-3204

Start Test Date: 2014/11/08

Final Test Date: 2014/11/09

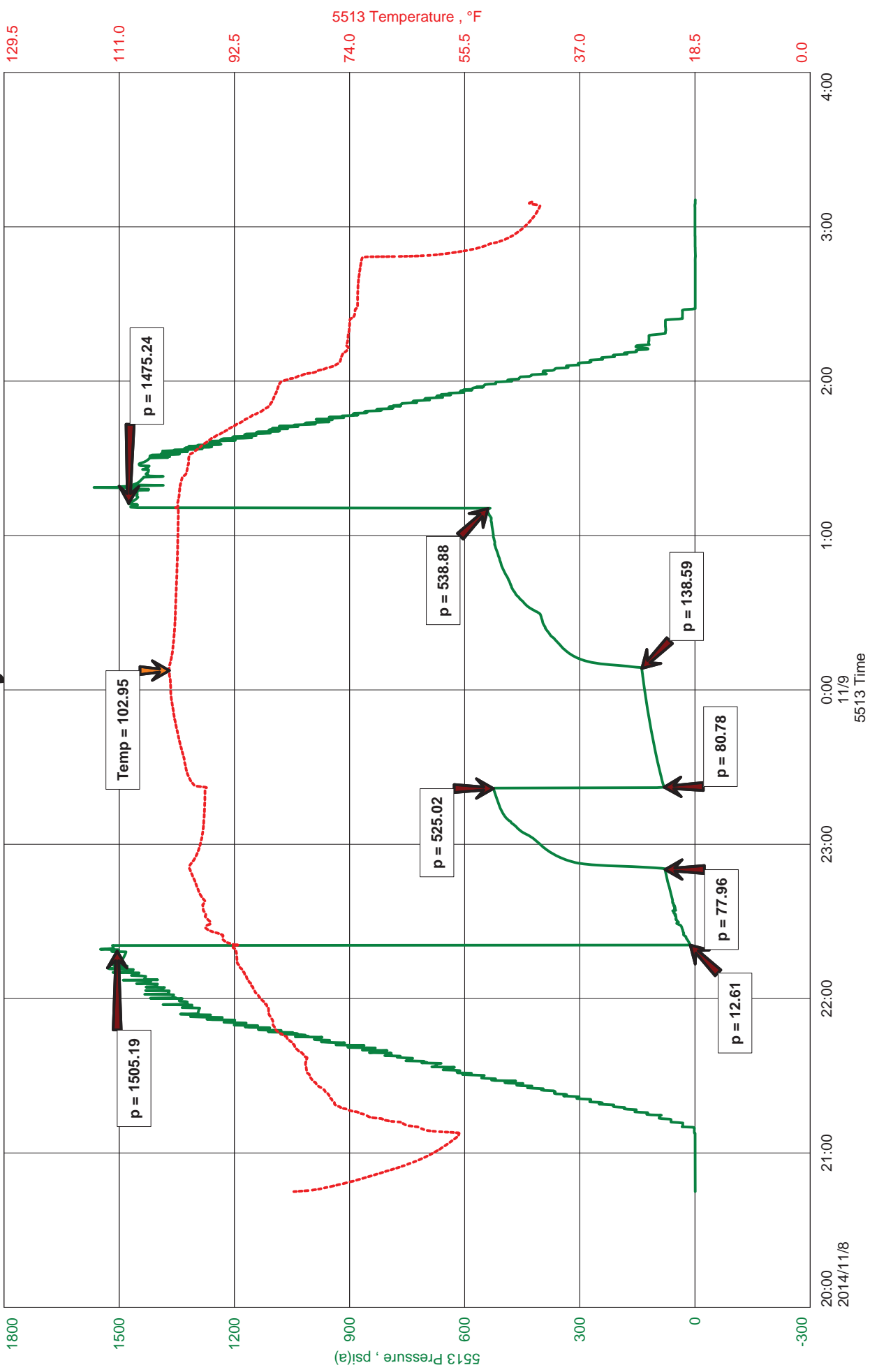
Patsy #1

Formation: Lansing A-F

Pool: Wildcat

Job Number: K197

# Patsy #1



1800

1500

1200

900

600

300

0

-300

129.5

111.0

92.5

74.0

55.5

37.0

18.5

0.0

4:00

3:00

2:00

1:00

0:00

23:00

22:00

21:00

20:00

2014/11/8

2014/11/9





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	RJM	<b>Chris Hoffman</b>	<b>Job Number</b>	K197
<b>Contact</b>		<b>Patsy #1</b>	<b>Representative</b>	Jason McLemore
<b>Well Name</b>		<b>DST #1 Lansing A-F 3122-3204</b>	<b>Well Operator</b>	RJM
<b>Unique Well ID</b>		<b>12-16s-13w-Barton</b>	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>		<b>Wildcat</b>	<b>Qualified By</b>	Wyatt
<b>Field</b>		<b>Vertical</b>	<b>Test Unit</b>	6
<b>Well Type</b>				

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Lansing A-F	<b>Well Operator</b>	RJM
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/11/09
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2014/11/08	<b>Start Test Time</b>	20:45:00
<b>Final Test Date</b>	2014/11/09	<b>Final Test Time</b>	03:13:00

**Test Results**

**RECOVERED:**

2	Free Oil
260	Muddy Water, 90% Water, 10% Mud
262	TOTAL FLUID

**CHLORIDES: 74,000**  
**PH: 7**  
**RW: .120 @ 40**



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: patsy1dst1

TIME ON: 8:45 PM  
 TIME OFF: 3:13 AM

Company RJM Lease & Well No. Patsy #1  
 Contractor Southwind #2 Charge to RJM  
 Elevation KB 1927 Formation Lansing A-F Effective Pay \_\_\_\_\_ Ft. Ticket No. K197  
 Date 11-8-14 Sec. 12 Twp. 16 S Range 13 W County Barton State KANSAS  
 Test Approved By Wyatt Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3122 ft. to 3204 ft. Total Depth 3204 ft.  
 Packer Depth 3117 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3122 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3103 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3104 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 45 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4000 P.P.M. Drill Pipe Length 3090 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 6 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? No Reversed Out No Anchor Length 82 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair Blow, BOB in 12 Min., No Blowback  
2nd Open: Fair Blow, BOB in 24 Min., No Blowback

Recovered 2 ft. of Free Oil  
 Recovered 260 ft. of Muddy Water  
 Recovered 262 ft. of TOTAL FLUID  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of CHLORIDES: 74,000	Price Job
Recovered _____ ft. of PH: 7	Other Charges
Remarks: <u>RW: .120 @ 40</u>	Insurance
	Total

Time Set Packer(s) 10:24 PM A.M. P.M. Time Started Off Bottom 1:09 AM A.M. P.M. Maximum Temperature 103

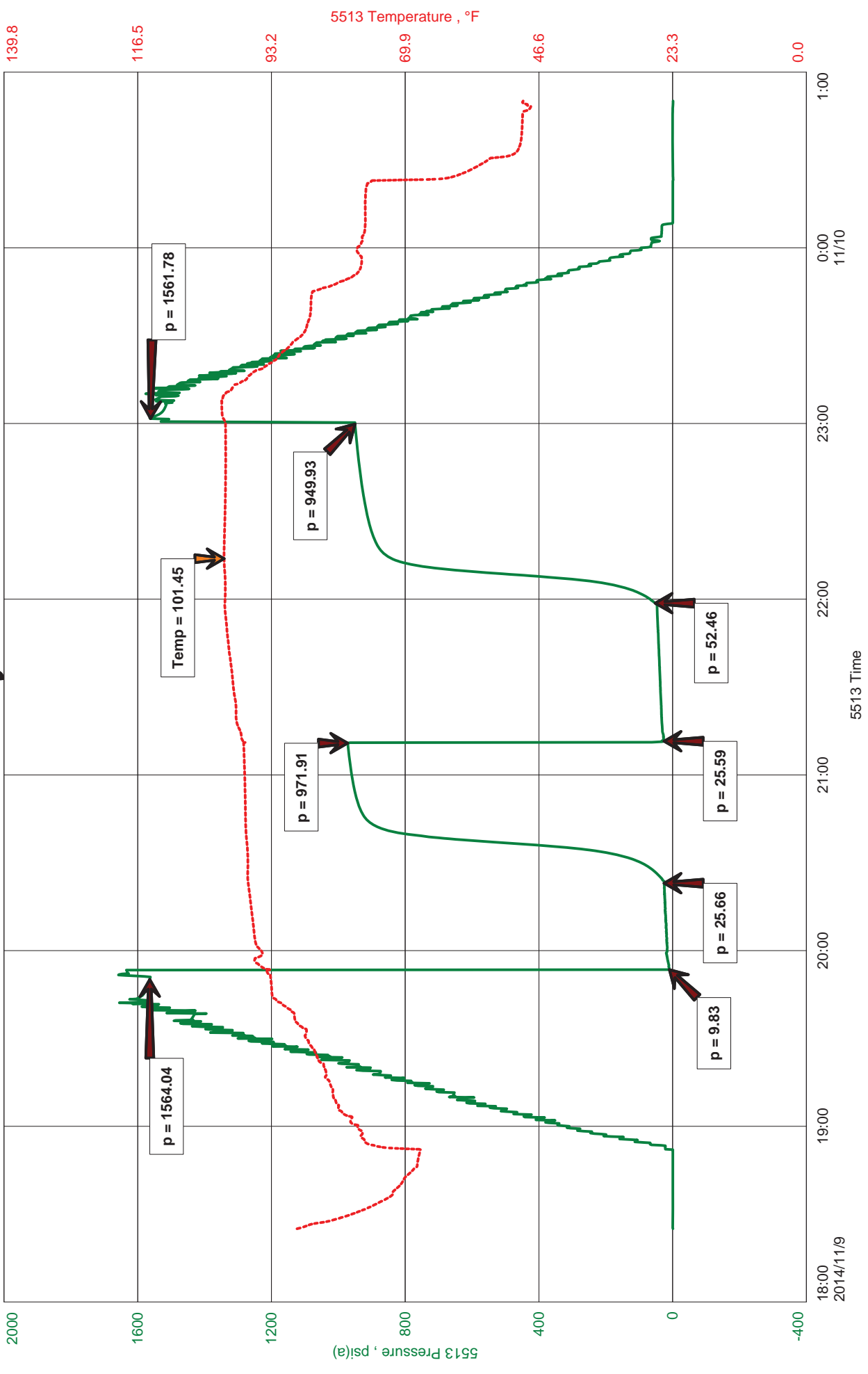
Initial Hydrostatic Pressure..... (A) 1505 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 78 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 525 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 81 P.S.I. to (F) 139 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 539 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1475 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Patsy #1  
Formation: H-L  
Pool: Wildcat  
Job Number: K198

RJM  
DST #2 H-L 3258-3350  
Start Test Date: 2014/11/09  
Final Test Date: 2014/11/10

# Patsy #1





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	RJM	<b>Chris Hoffman</b>	<b>Job Number</b>	K198
<b>Contact</b>		<b>Patsy #1</b>	<b>Representative</b>	Jason McLemore
<b>Well Name</b>		<b>DST #2 H-L 3258-3350</b>	<b>Well Operator</b>	RJM
<b>Unique Well ID</b>		<b>12-16s-13w-Barton</b>	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>		<b>Wildcat</b>	<b>Qualified By</b>	Wyatt Urban
<b>Field</b>		<b>Vertical</b>	<b>Test Unit</b>	6
<b>Well Type</b>				

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	H-L	<b>Well Operator</b>	RJM
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/11/10
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2014/11/09	<b>Start Test Time</b>	18:25:00
<b>Final Test Date</b>	2014/11/10	<b>Final Test Time</b>	00:50:00

**Test Results**

RECOVERED:

80	HOCM, 40% Oil, 60% Mud
80	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: patsy1dst2

TIME ON: 6:25 PM  
TIME OFF: 12:50 AM

Company RJM Lease & Well No. Patsy #1  
Contractor Southwind #2 Charge to RJM  
Elevation KB 1927 Formation \_\_\_\_\_ H-L Effective Pay \_\_\_\_\_ Ft. Ticket No. K198  
Date 11-9-14 Sec. 12 Twp. \_\_\_\_\_ 16 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Wyatt Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 3258 ft. to 3350 ft. Total Depth 3350 ft.  
Packer Depth 3253 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3258 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3239 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3240 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 47 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5000 P.P.M. Drill Pipe Length 3225 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 92 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair Blow, BOB in 20 Min., No Blowback  
2nd Open: Strong Blow, BOB in 5 Min., No Blowback

Recovered 80 ft. of HOCM, 40% Oil, 60% Mud  
Recovered 80 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 7:54 pm A.M. P.M. Time Started Off Bottom 10:54 pm A.M. P.M. Maximum Temperature 101

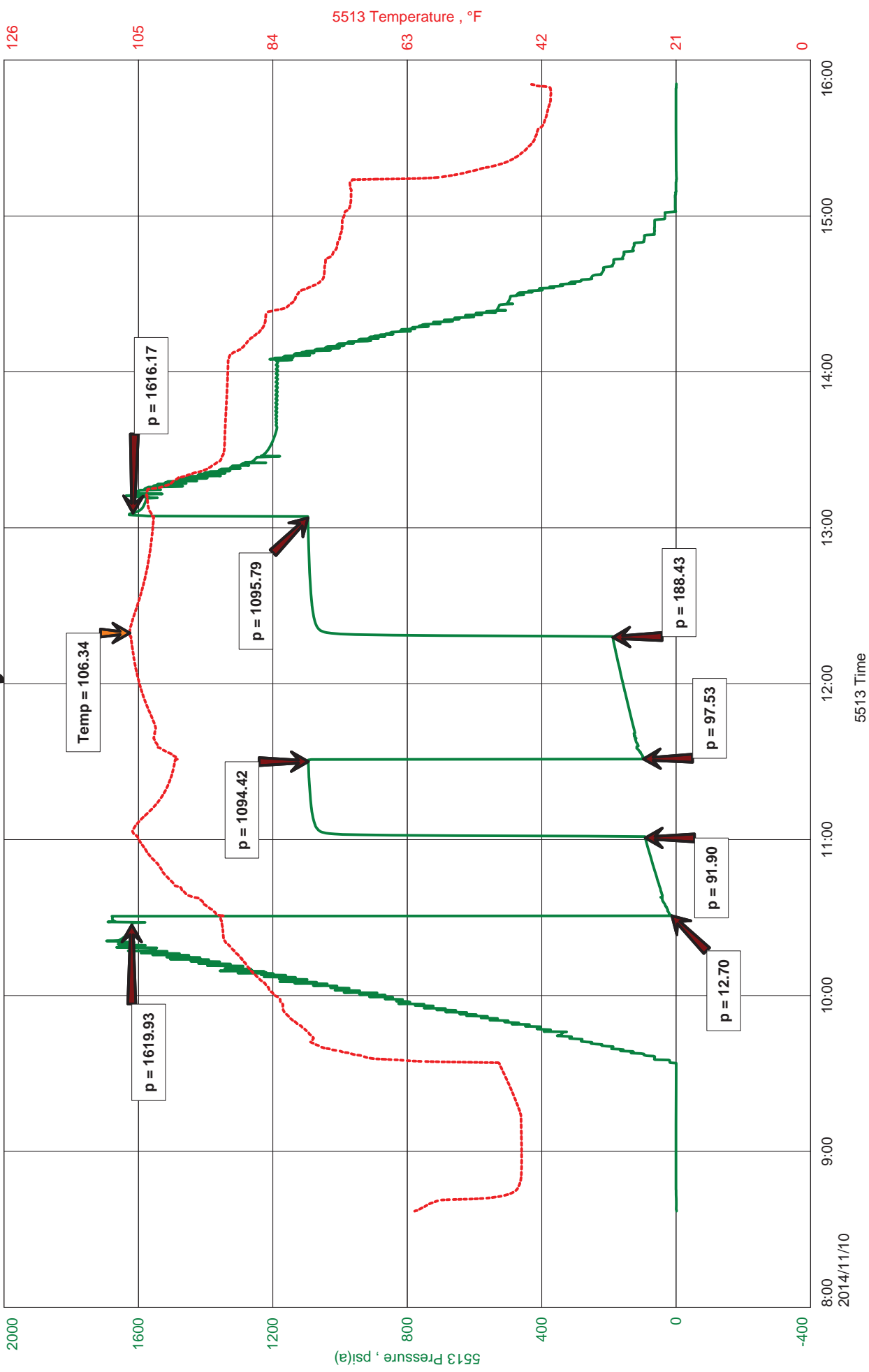
Initial Hydrostatic Pressure..... (A) 1564 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 26 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 972 P.S.I.  
Final Flow Period..... Minutes 45 (E) 26 P.S.I. to (F) 52 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 950 P.S.I.  
Final Hydrostatic Pressure..... (H) 1562 P.S.I.

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RJM  
DST #3 Arbuckle 3338-3382  
Start Test Date: 2014/11/10  
Final Test Date: 2014/11/10

Patsy #1  
Formation: Arbuckle  
Pool: Wildcat  
Job Number: K199

# Patsy #1





JASON MCLEMORE

CELL # 620-617-0527

**General Information**

Company Name	RJM	Chris Hoffman	Job Number	K199
Contact		Patsy #1	Representative	Jason McLemore
Well Name		DST #3 Arbuckle 3338-3382	Well Operator	RJM
Unique Well ID		12-16s-13w-Barton	Prepared By	Jason McLemore
Surface Location		Wildcat	Qualified By	Wyatt Urban
Field		Vertical	Test Unit	6
Well Type				

**Test Information**

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Arbuckle	Well Operator	RJM
Well Fluid Type	01 Oil	Report Date	2014/11/10
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2014/11/10	Start Test Time	08:37:00
Final Test Date	2014/11/10	Final Test Time	15:52:00

**Test Results**

RECOVERED:

350	Free Oil
85	Mud Cut Oil, 60% Oil, 40% Mud
435	TOTAL FLUID

GRAVITY: 38



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: patsy1dst3

TIME ON: 8:37 AM  
TIME OFF: 3:52 PM

Company RJM Lease & Well No. Patsy #1  
Contractor Southwind #2 Charge to RJM  
Elevation KB 1927 Formation Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. K199  
Date 11-10-14 Sec. 12 Twp. 16 S Range 13 W County Barton State KANSAS  
Test Approved By Wyatt Diamond Representative Jason McLemore

Formation Test No. 3 Interval Tested from 3338 ft. to 3382 ft. Total Depth 3382 ft.  
Packer Depth 3333 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3338 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3319 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3320 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 8000 P.P.M. Drill Pipe Length 3305 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 44 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP In Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Fair Blow, BOB in 9 Min., Blowback Built to 1/2"  
2nd Open: Fair Blow, BOB in 13 Min., No Blowback

Recovered 350 ft. of Free Oil  
Recovered 85 ft. of Mud Cut Oil, 60% Oil, 40% Mud  
Recovered 435 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>GRAVITY: 38</u>	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	Total

Time Set Packer(s) 10:33 AM A.M. P.M. Time Started Off Bottom 1:03 PM A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1620 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 92 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1094 P.S.I.  
Final Flow Period..... Minutes 45 (E) 98 P.S.I. to (F) 188 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 1096 P.S.I.  
Final Hydrostatic Pressure..... (H) 1616 P.S.I.

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