

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1234698

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:						
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.xxxxx) (e.gxxx.xxxxx)					
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84					
Purchaser:	County:					
Designate Type of Completion:	Lease Name: Well #:					
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:					
□ Oil □ WSW □ 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: □ Well Name:	Producing Formation: Elevation: Ground: Kelly Bushing: 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:					
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name: Lease Name: License #:					
Spud Date or Date Reached TD Completion Date or Recompletion Date	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:



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Eures, whether shut-in predict final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		otain Geophysical Data a or newer AND an image		ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
			conductor, surface, inte		ion, 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 / SQL	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Did you perform a hydrau	ulic fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 aı	nd 3)
Does the volume of the to	otal base fluid of the hydr	aulic fracturing treatment ex	_	= :	No (If No, ski	p question 3) out Page Three	
Shots Per Foot	PERFORATIO Specify F	N RECORD - Bridge Plug ootage of Each Interval Per	s Set/Type forated		cture, Shot, Cement mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	HR. Producing Meth		Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Comp.	mmingled	PRODUCTIO	ON INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit)	4CO-5) (Sub	omit ACO-4)		

Form	ACO1 - Well Completion
Operator	RJM Company
Well Name	Patsy 1
Doc ID	1234698

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	435	Common	200	3%cc 2%gel
Production	7.75	5.50	15.50	3372	Common	180	10%salt 5%gilsonit e

QUALITY OILWELL CEMENTING, INC.

SHOLTICHES QUARTIFIED LANGUES

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 1 - 5 - 1 - 1 1 2 3 - 6 1 3 3 - 6 1 3 4 3 4 4 4 4 4 4 4	Cell 765-324-1041	T. Donas	County	State	On Location	Finish
Lease Forts Well No. Commercial Contractor South Will No. Contractor South Wind. 2	Sec.	Twp. Range	County	VS	ne, framso sta un scassiviació	230Am
Lease Pot 5 / Well No. Owner Contractor South wind. 2	Date //-3 -/-/ 12	110 10 1	Sal Fort	1 scell proby 1	ine 7/2 E	1/25 Finto
Contractor South wind: Type Job Surface Trye J	D. Let			Eusen (wing a	A VOID ORDER HOLDERS	and the last well the
Contractor	A STATE OF THE PARTY OF THE PAR	The second secon	To Quality Oil	well Cementing, Inc.	n beloutes estatut	Astrophil perioxe
Hole Size 1/2/2 T.D. 4/3 / Street Tog. Size Depth 4/3 / Street Tog. Size Depth City State The above was done to satisfaction and supervision of owner agent or contractor Cement Left in Csq. / S Shoe Joint / S Cement Amount Ordered LOO Com 3/6 Cc 1/6 ge Meas Line Displace 1/2 / S Shoe Joint / S Common 2 / S Cc 1/6 ge Pumptrk / No. Cementer Helper S / S Shoe Joint S Salt S Shoe S Shoe Centralizer S Shoe S Shoe Centralizer Shoe Cen	Contractor South Wind.	2 6111	You are heret	ov requested to rent	cementing equipmen	nt and furnish to work as listed.
Hole Size 12/12 T.D. 13/7 To Street Csg. 85/8 Depth 43.7 Street Tool Depth City State Tool The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. 15 Shoe Joint 15 Cement Amount Ordered 100 com 3% cc 1% gel Meas Line Displace 1/1/1 Poz. Mix EQUIPMENT Common_DD Pumptrk 1/ No. Cementer Fill Poz. Mix Gel. 4 Bulktrk No. Driver File Calcium 7 JOB SERVICES & REMARKS Hulls Remarks: Cement D; 1 Circulate Salt Rat Hole Kol-Seal Mouse Hole Centralizers Mud CLR 48 Centralizers Baskets D/V or Port Collar FLOAT EQUIPMENT Guide Shoe Centralizer Baskets Centralizer Baskets Centralizer Baskets Centralizer Baskets Centralizer Baskets	Type Job Surface	1127		Theiper to assist own	iei oi comitación to c	distortion
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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.

The state of the s		I.D.# 20-2886107	No. 880	•
Phone 785-483-2025 F Gell 785-324-1041		ox 32 Russell, KS 67665		··
Date 1 - 11-14 Sec. Twp.		County State		<u> </u>
0	Locat	on Susank, Ks -	3E, 234N, E/	Lato
Lease 10+54	Well No.	Owner		
Contractor Southwild #	2	To Quality Oilwell Cementing, Inc. You are hereby requested to rent of cementer and helper to assist own	ementing equipment and furnis	h isted.
Type Job Longstring	33821	Charge O- 0		
Hole Size 1 / D V 1.D.		TO NOTH	ibasia	
Csg. 5%" New 15.56th Depth	3372'	Street		
Tbg. Size Depth		City	State	
Tool Depth	1.	The above was done to satisfaction and		
Cement Left in Csg. 10' Shoe		Cement Amount Ordered 180		5%6:1s
Meas Line Displa	ce 80 BLS	500 gal Mud Clear	48	
EQUIPMENT		Common 180		
Pumptrk 20 No. Cementer No. Helper NICK		Poz. Mix		
Bulktrk S No. Driver Character		Gel		
Bulktric No. Driver Driver		Calcium		
JOB SERVICES & REM	ARKS	Hulls		
Remarks:		Sait /6		
Rat Hole		Flowseal		
Mouse Hole	*	Kol-Seal 900 #		
Centralizers 1 - 9		Mud CLR 48 500 gel		<u></u>
Baskets 2,5		CFL-117 or CD110 CAF 38		
DN or Port Collar Dipo on bollo	n break	Sand		
	o op your Clear	Handling 205		
48 OLG P. 1.	30 50 plugg	Miléage		
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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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- 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 entiployees, 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 of turnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross rightly 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 therein 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.

Fas

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JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name RJM

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

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator
Formation Lansing A-F Report Date 2014/11/09
Well Fluid Type 01 Oil Prepared By Jason McLemore
Test Purpose (AEUB) Initial Test

 Start Test Date
 2014/11/08 Start Test Time
 20:45:00

 Final Test Date
 2014/11/09 Final Test Time
 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



P.O. Box 157

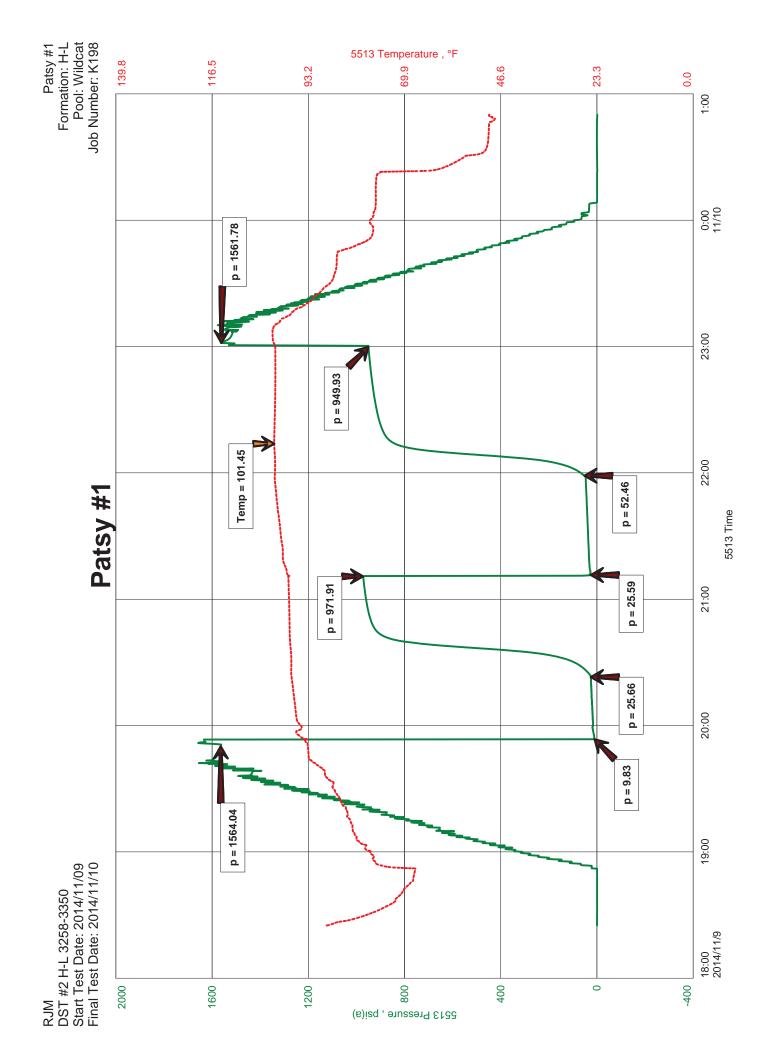
HOISINGTON, KANSAS 67544 (800) 542-7313

DRILL-STEM TEST TICKET

FILE: patsy1dst1

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

Company_RJM	rice. patsyr	Lease & Well No. Pa	atev #1		
Caudania d 40			atoy " i		
Elevation KB 1927 Formation		-F Effective Pay	F	t Ticket No.	K197
2.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ange1		Barton State	KANSAS
Myott			Total Control of the	son McLemore	
Formation Test No. 1 Interval Test	sted from 3°	122 ft. to	3204 ft Total De	enth	3204 ft.
Packer Depth 3117 ft. Size		Maria del del lacto			in.
Packer Depth 3122 ft. Size		Packer depth			 in.
Depth of Selective Zone Set		A 50000.00 Ja - M		B 738/42	
Top Recorder Depth (Inside)	3103 ft.	Recorder Number	5513 Ca	ap. 500	00 P.S.I.
Bottom Recorder Depth (Outside)	3104 ft.	Recorder Number_	5588 C	ap600	00 P.S.I.
Below Straddle Recorder Depth	_ft.	Recorder Number_		эр	
Mud Type Chemical Viscosity	45	Drill Collar Length_		I.D. 2 1	
Weight 9.1 Water Loss	8.8cc	Weight Pipe Length	0_ft.	I.D. 2 7	7/8 in
Chlorides	4000 P.P.M.	Drill Pipe Length	3090 ft.	I.D3 1	/2 in
Jars: Make STERLING Serial Number	6	Test Tool Length	32 ft.	Tool Size 3 1	/2-IFin
Did Well Flow? No Reversed Out	tNo	Anchor Length	82 _{ft.}	Size4 1	/2-FHin
Main Hole Size 7 7/8 Tool Joint Size	e4_1/2_XH_in.	64' DP in Anchor Surface Choke Size	in.	Bottom Choke Si	ize_5/8_in
Blow: 1st Open: Fair Blow, BOB in 12 M	1in., No Blowba	ack			
^{2nd Open:} Fair Blow, BOB in 24 Mir	n., No Blowback				
Recovered 2 ft. of Free Oil					
Recovered 260 ft. of Muddy Water					
Recovered 262 ft. of TOTAL FLUID					
Recovered ft. of					
Recoveredft. of CHLORIDES: 74,000)		Pric	ce Job	
Recoveredft. of PH: 7			Oth	ner Charges	
Remarks: RW: .120 @ 40			Ins	urance	
			Tot	al	
Time Set Packer(s) 10:24 PM A.M. P.M.	Time Started Off Bo	ottom1:09 AM	A.M. P.M. Maximu	m Temperature	103
Initial Hydrostatic Pressure		(A)	1505 P.S.I.		
Initial Flow Period	utes30	(B)	13 P.S.I. to (C)	78	P.S.I.
Initial Closed In Period	utes30	(D)	525 P.S.I.		
Final Flow Period	utes 45	(E)	81 P.S.I. to (F)	139	P.S.I.
Final Closed In PeriodMinu	utes60	(G)	539 P.S.I.		
Final Hydrostatic Pressure		(H)	1475 _{P.S.I.}		



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JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name RJM

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

Test Information

Representative Jason McLemore
Test Type Drill Stem Test Well Operator
Formation H-L Report Date 2014/11/10
Well Fluid Type 01 Oil Prepared By Jason McLemore
Test Purpose (AEUB) Jason McLemore

 Start Test Date
 2014/11/09 Start Test Time
 18:25:00

 Final Test Date
 2014/11/10 Final Test Time
 00:50:00

Test Results

RECOVERED:

80 HOCM, 40% Oil, 60% Mud

80 TOTAL FLUID



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 & W	ell No. Patsy #1					
Contractor Southwind #2			Charge to_	RJM					
Elevation KB 1927 Fo	ormation		H-L Effective P	ay	F	t. Ticket N	lo	K198	
Date11-9-14Sec1	2Twp	16 S	Range	13 W Cou	inty	Barton	_State_	KANS	AS
Test Approved By Wyatt			Diamond Re	presentative	Jas	on McLer	nore		
Formation Test No. 2	Interval Tested	l from	3258 ft. to_	3350 ft	. Total De	pth		3350	ft.
Packer Depth_ 325	3 _{ft. Size} 6	3/4 in.	Packer dep	th	ft.	Size	6 3/4	in.	
Packer Depth 3258	Bft. Size 6	3/4 in.	Packer dep	th	ft.	Size	6 3/4	in.	
Depth of Selective Zone Set									
Top Recorder Depth (Inside)		3239 _{ft.}	Recorder N	umber	5513 Ca	p	500	<u>0</u> P.S.I.	
Bottom Recorder Depth (Outside)		3240 ft.	Recorder N	umber	5588 Ca	ар	600	0_P.S.I	١.
Below Straddle Recorder Depth		ft.	Recorder N	umber	Ca	p		P.S.I.	į
Mud Type Chemical Viso	cosity	47	Drill Collar I	_ength	<u>0</u> ft.	I.D	2 1/	4	_in.
Weight 9.1 Water I	Loss	9.2	cc. Weight Pipe	e Length	0 ft.	I.D	2 7/	8	in
Chlorides		5000 P.P.M.	Drill Pipe Le	ength	3225 _{ft.}	I.D	3 1/	2	_ in
Jars: Make STERLING Seria	l Number	6	Test Tool L	ength	33 ft.	Tool Size	3 1/	2-IF	_ in
	Reversed Out		64' DP in Δη	gth		Size	4 1/	2-FH	in
Main Hole Size 7 7/8	Tool Joint Size	4 1/2 XH i	n. Surface Ch	oke Size 1	in.	Bottom C	hoke Si	ze_5/8	in
Blow: 1st Open: Fair Blow, BC	B in 20 Min	., No Blow	back						
2nd Open: Strong Blow, E	BOB in 5 Min.	, No Blowb	ack					U	
Recovered 80 ft. of HOCM, 4	40% Oil, 60% Μι	ıd							
Recovered 80 ft. of TOTAL F	FLUID								
Recoveredft. of	- 141.1 1 (11.7)								
Recoveredft. of									
Recoveredft. of					Prio	e Job			
Recoveredft. of					Oth	er Charges	3		
Remarks:					Insu	ırance			
·									-
	A.M.			A.M.	Tota	al			
Time Set Packer(s) 7:54 pm		me Started Off	Bottom10	:54 pm P.M.	Maximu	m Tempera	iture	101	
Initial Hydrostatic Pressure			37 37	1564 P	.S.I.				
Initial Flow Period	Minutes	3	O(B)	10 _P	.S.I. to (C)		26	P.S.I.	
Initial Closed In Period	Minutes		(D)	972 _{P.}	S.I.				
Final Flow Period	Minutes		(S.I. to (F)_		52 _F	P.S.I.	
Final Closed In Period	Minutes	6	0(G)	950 _{P.}					
Final Hydrostatic Pressure				1562 P.					

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.

Fas

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JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name RJM

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

Test Information

Representative Jason McLemore **Test Type Drill Stem Test Well Operator RJM Formation** Arbuckle Report Date 2014/11/10 **Well Fluid Type** 01 Oil Prepared By **Jason McLemore Initial Test**

Test Purpose (AEUB)

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

Mud Cut Oil, 60% Oil, 40% Mud 85

435 **TOTAL FLUID**

GRAVITY: 38



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

DIM	patsy it	10	otov #4			
10. 10.012		_Lease & Well No. Pa	atsy #1			
Contractor Southwind #2 Elevation KB 1927 Formation		Effective Pay		Tiplest A	ia	K199
Date 11-10-14 Sec. 12 Twp.				Barton	State	KANSAS
Myatt		Diamond Representativ	_ II oounty	on McLer		10110/10
			,0			
Formation Test No. 3 Interval Tested from 3		338 ft. to			Commence of	3382 ft.
Packer Depth 3333 ft. Size 6 3/4	_ in.	Packer depth				in.
Packer Depth 3338 ft. Size 6 3/4	_ in.	Packer depth	ft.	Size	6 3/4	in.
Depth of Selective Zone Set						
12 12 12 12 12 12 12 12 12 12 12 12 12 1	319 _{ft.}	Recorder Number		p		P.S.I.
Bottom Recorder Depth (Outside)	320 _{ft.}			ıp		P.S.I.
Below Straddle Recorder Depth	ft.	Recorder Number		p		
Mud Type Chemical Viscosity 51		diam removed and		I.D	7777	
Weight 9.3 Water Loss 9.6		Weight Pipe Length_		I.D		
Chlorides 8000 p		Drill Pipe Length		I.D		
Jars: Make STERLING Serial Number 6		Test Tool Length	No.	Tool Size	36 2000	C 1239-962
Did Well Flow? No Reversed Out N		Anchor Length 31' DP In Anchor	44_ft.	Size		
		Surface Choke Size	1in.	Bottom C	hoke Siz	e_5/8_in
Blow: 1st Open: Fair Blow, BOB in 9 Min., Blow	0 - 3/12					
^{2nd Open:} Fair Blow, BOB in 13 Min., No Bl	owback					
Recovered 350 ft. of Free Oil		The strings of the st				
Recovered 85 ft. of Mud Cut Oil, 60% Oil, 40% Mud		72. 77				
Recovered 435 ft. of TOTAL FLUID						
Recoveredft. of						
Recoveredft. of GRAVITY: 38			Pric	e Job		
Recoveredft. of			Oth	er Charges	3	
Remarks:	2524-04-0-0-0	A-22	Insu	ırance		
g						
40.00 AM A.M.			A.M.	al		
	rted Off Bo	1:03 PM		n Tempera	ature	106
Initial Hydrostatic Pressure		(A)	1620 P.S.I.			
Initial Flow PeriodMinutes	30	(B)	13 P.S.I. to (C)		92 _F	² .S.I.
Initial Closed In PeriodMinutes	30	(D)	1094 P.S.I.			
Final Flow PeriodMinutes	45	(E)	98 P.S.I. to (F)_		188 _P	.S.I.
Final Closed In PeriodMinutes	45	(G)	1096 P.S.I.			
Final Hydrostatic Pressure		(H)	1616 _{P.S.I.}			
Diamond Testing shall not be liable for damages of any kind to the property or r	personnel of the	e one for whom a test is made	or for any loss suffered or s	stained direc	tly or indirect	ly through