

Confidentiality Requested:

☒ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1180355

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30458

Name: RJM Company

Address 1: PO BOX 256

Address 2:

City: CLAFLIN State: KS Zip: 67525 + 0256

Contact Person: Brian Miller

Phone: (620) 588-3910

CONTRACTOR: License # 33350

Name: Southwind Drilling, Inc.

Wellsite Geologist: Wyatt Urban

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 #:

11/07/2013 11/14/2013 11/14/2013
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-009-25901-00-00

Spot Description:

NE NW NE Sec. 23 Twp. 19 S. R. 12 East West
330 Feet from North / South Line of Section
1650 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: Barton

Lease Name: Stueckemann Well #: 1

Field Name: NA

Producing Formation: NA

Elevation: Ground: 1821 Kelly Bushing: 1829

Total Vertical Depth: 3429 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 265 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: 68000 ppm Fluid volume: 600 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. East West

County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- ☒ Confidentiality Requested
Date: 01/16/2014
☒ Confidential Release Date: 01/16/2016
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution
ALT ☒ I ☐ II ☐ III Approved by: NAOMI JAMES Date: 01/16/2014

1180355

Operator Name: RJM Company Lease Name: Stueckemann Well #: 1
 Sec. 23 Twp. 19 S. R. 12 ☐ East ☒ West County: Barton

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

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

Drill Stem Tests Taken (Attach Additional Sheets)	☒ Yes ☐ No	☐ Log	Formation (Top), Depth and Datum	☒ Sample
Samples Sent to Geological Survey	☒ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	Heebner	-1160	KB
Electric Log Run	☐ Yes ☒ No	Brown Lime	-1275	KB
List All E. Logs Run:		Lansing	-1291	KB
		Base Kansas City	-1532	KB
		Arbuckle	-1579	KB

CASING RECORD ☒ New ☐ Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	265	Common	210	60/40 4% gel 1/4 flow

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	-			
☐ Plug Back TD				
☐ Plug Off Zone	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☒ No (If No, skip questions 2 and 3)
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No (If No, skip question 3)
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
TUBING RECORD: Size: Set At: Packer At:			Liner Run: ☐ Yes ☐ No		
Date of First, Resumed Production, SWD or ENHR.		Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	RJM Company
Well Name	Stueckemann 1
Doc ID	1180355

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	23	265	Common	210	60/40 4% gel 1/4 flow

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. 7607

Date	11-13-13	Sec.	23	Twp.	19	Range	12	County	Barton	State	KS	On Location	8:00PM	Finish	12:30PM
Location								281 Juco Rd Eto NE 90 1 S							
Lease	Stueckeman				Well No.	1		Owner	J W Sinto						
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	plug						Charge To								
Hole Size	7 7/8				T.D.	3929		R J M							
Csg.	Dill pipe				Depth			Street							
Tbg. Size					Depth			City State							
Tool					Depth			The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.					Shoe Joint			Cement Amount Ordered 210 5x 60/40							
Meas Line					Displace			4 1/2 gal 1/4 flow							
EQUIPMENT															
Pumptrk	5	No.	Cement	Matt				Common 126							
Bulktrk	13	No.	Helper	Lorrie				Poz. Mix 84							
Bulktrk	pu	No.	Driver	Clayton				Gel. 7							
JOB SERVICES & REMARKS															
Remarks:								Hulls							
Rat Hole 30 54								Salt							
Mouse Hole 15 54								Flowseal 50 #							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
1st 3389 ft 50 54s								Sand							
2nd 645 ft 25 54s								Handling 217							
3rd 315 ft 80 54s								Mileage							
4th 40 ft 10 54s								FLOAT EQUIPMENT							
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge plug							
								Mileage 14							
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 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. 7559

Date	11-7-13	Sec.	23	Twp.	19	Range	12	County	Barton	State	Ks	On Location		Finish	10:00 PM
Lease								Stueckmann		Well No.		#1			
Contractor								Southwind		Well No.		#2			
Type Job								Surface		Owner 20th Rd, 1/4 W, S/S					
Hole Size								12 1/4"		T.D.		265'			
Csg.								8 5/8"		Depth					
Tbg. Size										Depth					
Tool										Depth					
Cement Left in Csg.								15'		Shoe Joint		15'			
Meas Line								Displace		15 3/4 BLS		2 1/2 Gel			
EQUIPMENT															
Pumptrk								16		No.		Cementer Billy			
Bulktrk								1		No.		Driver Lonnie M.			
Bulktrk								p.u.		No.		Driver Rick			
JOB SERVICES & REMARKS															
Remarks:								Cement did Circulate							
Rat Hole															
Mouse Hole															
Centralizers								Rig Cut 125' of sand							
Baskets															
D/V or Port Collar															
								Common 225							
								Poz. Mix							
								Gel.							
								Calcium 7							
								Hulls 5							
								Salt							
								Flowseal							
								Kol-Seal							
								Mud CLR 48							
								CFL-117 or CD110 CAF 38							
								Sand							
								Handling 237							
								Mileage							
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge Surface							
								Mileage 14							
Signature								William Anderson							
								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.

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

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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.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
stueck1dst1

Page 1 of 2 Pages

Company RJM Oil Company, Inc. Lease & Well No. Stueckemann No. 1
Elevation 1820 GL Formation Lansing "A - C" Effective Pay Ft. Ticket No. S0405
Date 11-11-13 Sec. 23 Twp. 19S Range 12W County Barton State Kansas
Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3,106 ft. to 3,164 ft. Total Depth 3,164 ft.
Packer Depth 3,101 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,106 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,087 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,141 ft. Recorder Number 5515 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 49 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 3,073 ft. I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 26' perf. w/ 32' drill pipe ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 in. in 30 mins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 1/4 in. in 30 mins. No blow back during shut-in.

Recovered 5 ft. of oil specked mud = .071150 bbls. (Grind out: 1%-oil; 99%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 1%-oil; 99%-mud

Diesel in bucket.

Time Set Packer(s) 11:13 A.M. Time Started off Bottom 1:13 P.M. Maximum Temperature 100°
Initial Hydrostatic Pressure.....(A) 1509 P.S.I.
Initial Flow Period.....Minutes 30 (B) 37 P.S.I. to (C) 41 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 61 P.S.I.
Final Flow Period.....Minutes 30 (E) 33 P.S.I. to (F) 42 P.S.I.
Final Closed In Period.....Minutes 30 (G) 52 P.S.I.
Final Hydrostatic Pressure.....(H) 1497 P.S.I.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
stueck1dst2

Page 1 of 2 Pages

Company RJM Oil Company, Inc. Lease & Well No. Stueckemann No. 1
Elevation 1820 GL Formation Lansing "D - F" Effective Pay Ft. Ticket No. S0406
Date 11-11-13 Sec. 23 Twp. 19S Range 12W County Barton State Kansas
Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3,172 ft. to 3,196 ft. Total Depth 3,196 ft.
Packer Depth 3,167 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,172 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,153 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,175 ft. Recorder Number 5515 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 49 Weight Pipe Length ft. I.D. in.
Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 3,139 ft. I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 24 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 2 1/2 in. blow increasing. Off bottom of bucket in 3 mins. No blow back during shut-in.

2nd Open: Weak, 3 in. blow increasing. Off bottom of bucket in 10 3/4 mins. Weak, surface blow back during shut-in.

Recovered 429 ft. of gas in pipe
Recovered 67 ft. of slightly oil & gas cut heavy water cut mud = .953410 bbls. (Grind out: 10%-gas; 8%-oil; 35%-water; 47%-mud) Chlorides: 35,000 Ppm PH: 7.0 RW: .3 @ 40°
Recovered 67 ft. of TOTAL FLUID = .953410 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 8%-oil; 47%-water; 45%-mud
Diesel in bucket.

Time Set Packer(s) 11:16 P.M. Time Started off Bottom 1:16 A.M. Maximum Temperature 104°
Initial Hydrostatic Pressure.....(A) 1514 P.S.I.
Initial Flow Period.....Minutes 30 (B) 19 P.S.I. to (C) 34 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 386 P.S.I.
Final Flow Period.....Minutes 30 (E) 33 P.S.I. to (F) 51 P.S.I.
Final Closed In Period.....Minutes 30 (G) 335 P.S.I.
Final Hydrostatic Pressure.....(H) 1512 P.S.I.



DIAMOND TESTING, LLC
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stueck1dst3

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Company RJM Oil Company, Inc. Lease & Well No. Stueckemann No. 1
Elevation 1820 GL Formation Arbuckle Effective Pay Ft. Ticket No. S0407
Date 11-13-13 Sec. 23 Twp. 19S Range 12W County Barton State Kansas
Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3,356 ft. to 3,418 ft. Total Depth 3,418 ft.
Packer Depth 3,351 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,356 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,337 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,388 ft. Recorder Number 5515 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 46 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,323 ft. I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 32' perf. w/ 30' drill pipe ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/2 in. blow increasing to 2 ins. in 30 mins. No blow back during shut-in.

2nd Open: Weak, surface blow. No blow back during shut-in.

Recovered 8 ft. of mud = .113840 bbls. (Grind out: 100%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud

Diesel in bucket.

Time Set Packer(s) 1:40 A.M. Time Started off Bottom 3:40 A.M. Maximum Temperature 101°
Initial Hydrostatic Pressure.....(A) 1640 P.S.I.
Initial Flow Period.....Minutes 30 (B) 40 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 80 P.S.I.
Final Flow Period.....Minutes 30 (E) 42 P.S.I. to (F) 44 P.S.I.
Final Closed In Period.....Minutes 30 (G) 63 P.S.I.
Final Hydrostatic Pressure.....(H) 1639 P.S.I.



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Company RJM Oil Company, Inc. Lease & Well No. Stueckemann No. 1
Elevation 1820 GL Formation Arbuckle Effective Pay Ft. Ticket No. S0408
Date 11-13-13 Sec. 23 Twp. 19S Range 12W County Barton State Kansas
Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3,357 ft. to 3,429 ft. Total Depth 3,429 ft.
Packer Depth 3,352 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,357 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,338 ft. Recorder Number 8471 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 3,392 ft. Recorder Number 5515 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length ft I.D. in.
Mud Type Chemical Viscosity 50 Weight Pipe Length ft I.D. in.
Weight 9.4 Water Loss 10.8 cc. Drill Pipe Length 3,324 ft I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 40' perf. w/ 32' drill pipe ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 3/4 in. blow increasing to 2 ins. in 30 mins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1/4 in. in 30 mins. No blow back during shut-in.

Recovered 10 ft. of mud = .142300 bbls. (Grind out: 100%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud
Diesel in bucket.

Time Set Packer(s) 12:58 P.M. Time Started off Bottom 2:58 P.M. Maximum Temperature 97°
Initial Hydrostatic Pressure.....(A) 1632 P.S.I.
Initial Flow Period.....Minutes 30 (B) 42 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 361 P.S.I.
Final Flow Period.....Minutes 30 (E) 45 P.S.I. to (F) 47 P.S.I.
Final Closed In Period.....Minutes 30 (G) 334 P.S.I.
Final Hydrostatic Pressure.....(H) 1617 P.S.I.