Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1106581

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 Dorth / South Line of Section				
City: State: Zip:	+	Feet from East / West Line of Section				
Contact Person:		Footages Calculated from Nearest Outside Section Corner:				
Phone: ()						
CONTRACTOR: License #		GPS Location: Lat:, Long:				
Name:		(e.g. xx.xxxx) (e.gxxx.xxxx)				
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84				
Purchaser:		County:				
Designate Type of Completion:		Lease Name: Well #:				
New Well Re-Entry	Workover	Field Name:				
		Producing Formation:				
		Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth:				
Gas D&A ENHR	SIGW					
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet				
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No				
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet				
Operator:		If Alternate II completion, cement circulated from:				
Well Name:		feet depth to:w/sx cmt.				
Original Comp. Date: Original Total I	Depth:					
Deepening Re-perf. Conv. to ENHR		Drilling Fluid Management Plan				
Plug Back Conv. to GSW	Conv. to Producer	(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 #:				
Spud Date or Date Reached TD Co	ompletion Date or	Quarter Sec TwpS. R East West				
•	ecompletion 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	1106581
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 Yes No (Attach Additional Sheets)			L	Log Formation (Top), Depth and Datum			Sample	
Samples Sent to Geolog		Yes No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING Report all strings set-o	RECORD Ne		on, etc.			
Purpose of String	Purpose of String Size Hole Size Casing Weigl		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives		
Protect Casing Plug Back TD								
Plug Off Zone								
Did you perform a hydraulic	fracturing treatment	on this well?	1	Yes	No (If No. skir	o questions 2 an	d 3)	
, , ,	8	raulic fracturing treatment ex	ceed 350,000 gallons'			questions 2 and question 3)		
		n submitted to the chemical o		Yes		out Page Three of	of the ACO-1)	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					Acid, Fracture, Shot, C (Amount and Kind	ement Squeeze Record I of Material Used)	Depth		
TUBING RECORD:	IG RECORD: Size: Set At: Packer At:			Liner R		No				
Date of First, Resumed Production, SWD or ENHR. Producing Method: □ Flowing □ Pumping				Gas Lift	Other (Explain)					
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLE			ETION:		PRODUCTION INTE	RVAL:				
Vented Solo	l l	Used on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Su	(Submit ACO (Submit ACO))				,	(Submit ACO-4)				

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

QUALI	Υ			LCE		IING	, IN(し.	
Phone 785-483-2025 Cell 785-324-1041	н 4 18	ome Office	e P.O. B	ox 32 Ru:	ssell, KS 676		No.	53	395
Date 10 - 25 - 12	Twp.	Range	-	County Liton	Ks State		ocation	5:	Finish 00PN
	Vell No.		Locatio	onClat	lin Ks	-3E+	o Ist	\underline{R}	2, 314
Contractor Southu	sind	#4			Into				
ype Job Suface				You are here	ilwell Cementin	o rent cementing	equipment	and f	urnish
tole Size 12 1/4 "	T.D.	<u>315'</u>		cementer ar	d helper to ass	ist owner or conti	actor to do	work	as listed.
Csg. 8518"	Depth	315'		Charge R	JM	Compan	ny	<u> </u>	
bg. Size	Depth	•		Street			ι		
Fool	Depth			City		State			
Cement Left in Csg. 15	Shoe J	oint 15	T	The above w	as done to satisfa	ction and supervision	on of owner	agent	or contractor.
Meas Line	Displac	e 19	Bes	Cement Am	ount Ordered	30 5x (omm	ก	<u>3% ((</u>
EQUIP	MENT			2% Gel					
Pumptrk 6 No. Cementer	aus			Common	PD				
III No Driver	x ry	Lonn	re W	Poz. Mix					
Bulktrk O, W. No. Driver P a	K			Gel.	}				
JOB SERVICES	& REMA	RKS		Calcium C	5				
remarks: Cement did	C	icculate		Hulis	<u></u>				
Rat Hole			/	Salt					
Nouse Hole				Flowseal		· · · · · · · · · · · · · · · · · · ·			
Centralizers				Kol-Seal					
Baskets				Mud CLR 4	8				
D/V or Port Collar				CFL-117 or	CD110 CAF 38				
· · · · · · · · · · · · · · · · · · ·			· ·	Sand					
	sia y	t i tra dest		Handling	69				
		i desta de Secondaria de la companya de la companya Secondaria de la companya de la comp		Mileage	9 /				
					FLOAT EC	UIPMENT			
a construction of the second se		and the second		Guide Shoe			<u></u> .	1	
	· · · · · · · · · · · · · · · · · · ·			Centralizer	,				
· · · · · · · · · · · · · · · · · · ·	<u> </u>			Baskets		, <u></u>		1	· · · ·
		 		AFU Inserts	Marta da				
				Float Shoe					
		<u> </u>		Latch Dowr	•				
			ند کر ۲۰ معرف	Laich Duwi				+	<u>.</u>
			an a						
	- 1 				<u> </u>	6.00			
n an		с. Г	LD Dag. Sa Waa	· · ·	arge Sur	1 a CE			
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				4			Discount		
X	8 A-			4		-			
Signature (M)	SK		······			10	tal Charge	L	

GENERAL TERMS AND CONDITIONS

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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 CUS-TOMER.

- 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 CUS-TOMER 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:

N- 54

(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.

QUALI	Federal Ta	LL CEMENTING, INC.
Phone 785-483-2025 Cell 785-324-1041		Box 32 Russell, KS 67665 No. 6137
Date 10-30-12 24	Twp. Range 18 11	County State On Location Finish
	7	cation Calin Eta 151RJ 345 Winto
Lease Days	Well No.	Owner To Quality Oilwell Cementing, Inc.
Contractor Southwind #4		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 Tay Uction Strike		Charge R.S.M.
Hole Size	T.D. 3283	
Csg. 5/2 15.50#	Depth 3282	Street
Tbg. Size	Depth	City State
	Depth	The above was done to satisfaction and supervision of owner agent or contracto
Cement Left in Csg. 43.18	Shoe Joint 43.18	Cement Amount Ordered Rolen 10/201+ 590/150
Meas Line EQUIP	Displace 22BL	500gr Muddark
No Cemente	/	Common 180
Pumptrk 6 Helper		Poz. Mix
Bulktrk Driver		Gel.
Bulktrk Driver Ann		Calcium
JOB SERVICES	5 & HEMARKS	Hulls
Remarks:		
Rat Hole 365K		Flowseal
Mouse Hole		Kol-Seal 90040
Centralizers		Mud CLR 48 500 98
Baskets	<u>_</u>	CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand -
5/2500 3282 Ths	ate 323882 -	Handling
Est. Cinculation - PUN	A 50 gal min Chall	
10 BL STALLE CAMER	+ Kethol - Glas	FLOAT EQUIPMENT
1:115 Cement 5/21	19: the 150% Clar	Guide Shoe
Invs Displace the	- Phy Jander	Gentratizer 9 Turno's
1500# - Kelese p	BSINE - Dry/.	Baskets 2
· · ·		AFU Inserts
		Float Shoe Kubber Aug
	· · · · · · · · · · · · · · · · · · ·	Latch Down
		Kotatok
		Pumptrk Charge
		Mileage 32
		Tax
	A	Discount
Signature	Kin	Total Charge

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

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2. More specifically:

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Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

January 03, 2013

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

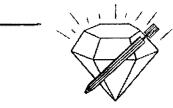
Re: ACO1 API 15-009-25761-00-00 Debes 1 NE/4 Sec.24-18S-11W Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Brian Miller



DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 STC/DEBES1DST1

Page 1 of 2 Pages

Company RJM Company	Lease & Well No. Debes No.	1
Elevation 1768 GL Formation Arbuckle	Effective Pay	10.000
Date <u>10-30-12</u> Sec. <u>24</u> Twp. <u>18S</u> Range	e <u>11W</u> County_Barton	State Kansas
Test Approved ByKurt Talbott	Diamond Representative	John C. Riedl
Formation Test No1 Interval Tested from	3,214 ft. to 3,283 ft.	Total Depth3,283 ft
Packer Depth3,209 ft. Size6 3/4 in.	Packer Depth	ft. Sizein.
Packer Depth3,214 ft. Size6 3/4 in.	Packer Depth	ft. Sizein.
Depth of Selective Zone Setft.		
Top Recorder Depth (Inside) 3,217 ft.	Recorder Number	
Bottom Recorder Depth (Outside) 3,280 ft.	Recorder Number	11073_Cap4,000_psi.
Below Straddle Recorder Depthft.	Recorder Number	Cappsi.
Drilling Contractor Southwind Drilling, Inc Rig 4	Drill Collar Length	<u> </u>
Mud TypeChemicalViscosity51		ft I.Din.
Weight 9.1 Water Loss 8.8 cc.	Drill Pipe Length	<u>3,194</u> ft I.D. <u>31/2</u> in.
Chlorides 3,000 P.P.M.	Test Tool Length	20 ft Tool Size 3 1/2-IF in
3: Make Sterling Serial Number Not Run		<u> </u>
Did Well Flow? No Reversed Out No	Surface Choke Size1in	. Bottom Choke Size ^{5/8} in.
	Main Hole Size7 7/8 _{in}	
Blow: 1st Open: Strong blow increasing. Off bottom of bucket in 20 mins.	No blow back during shut-in.	
2nd Open: Strong blow increasing. Off bottom of bucket in 22 mins.	No blow back during shut-in,	
Recovered 200 ft. of gassy oil = 2.846000 bbls. (Grind out: 15%-gasse)	as; 85%-oil) Gravity: 37 @ 60°	
Recovered ¹⁵⁰ ft. of gas & oil cut mud = 2.134500 bbls. (Grind out	t: 25%-gas; 25%-oil; 50%-mud)	
Recovered 350 ft. of TOTAL FLUID = 4.980500 bbis.		
Recoveredft. of	<u>.</u>	
Recovered ft. of		
Recoveredft. of		
Remarks		
5:40 A M	8:40 A M	um Tomporaturo 104°
Time Set Packer(s) 5:40 A.M. Time Started off Botto	4540	um Temperature104*
Initial Hydrostatic Pressure(A)		87
Initial Flow PeriodMinutes30(B)	<u>15</u> P.S.I. to (C)	87_P.S.I.

45

45

60

⊾al Closed In Period......Minutes_

Final Flow Period......Minutes_

Final Closed In Period......Minutes___

Final Hydrostatic Pressure.....(H)_

(D)____

_(E)___

(G)

<u>1017</u> P.S.I.		
⁸⁸ P.S.I	to (F)	<u>171</u> P.S.I.

11<u>04</u> P.S.I.

1097 P.S.I.

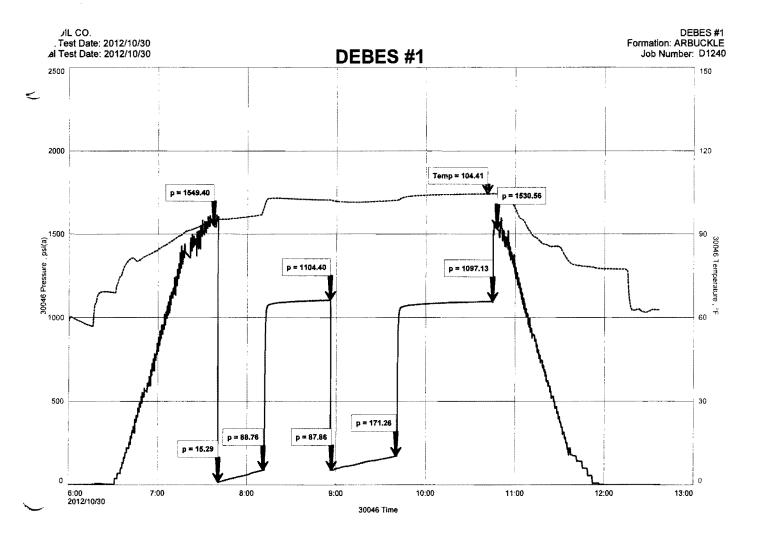
1531 P.S.I.

5

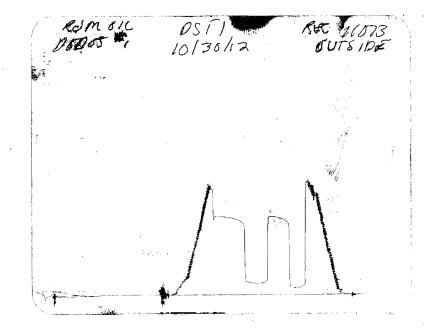
GENERAL INFORMATION

Client Infor	mation	<u>.</u>				
Company:	RJM (DIL CO.				
Contact:	BRAD	MILLER				
Phone:		Fax:	e-mail:			
Site Informa	ntion:					
Contact:		TALBOTT				
Phone:		Fax:	e-mail:			
Well Informa	ation:					
Name:	DEBE	S #1				
Operator:	RJM C	DIL CO.				
Location-Dov	wnhole:					
Location-Sur	face:	S24/18S/11W				
Test Inform	ation:					
Company:		DIAMOND TESTING				
Representat	ive:	JOHN RIEDL				
Supervisor:		KURT TALBOTT				
Test Type:		CONVENTIONAL		Job Number:	D1240	
Test Unit:						
Start Date:		2012/10/30	;	Start Time:	06:00:00	
End Date:	2012/10/30 End Time: 10:30:00					
Report Date:	e: 2012/10/30 Prepared By: JOHN RIEDL					
<u>Remarks:</u>				Qualified By:	KURT TALBOTT	
	00010					

RECOVERY: 200' GAS CUT OIL, 150' GAS+OIL CUT MUD



C/\Documents and Settings\Diamond\Desktop\DRILLSTEM TEST\DEBES1DST1 30-Oct-12 Ver



Fast