# KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

Form ACO-1 June 2009 \* Form Must Be Typed Form must be Signed All blanks must be Filled

# **WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License	<sub>#</sub> 33924		API No. 15				
	Oil & Gas Co., Inc.		Spot Description:				
Address 1:1000 Gamma Drive, Ste. 400			NW_SE_SE_NE Sec. 18 Twp. 15 S. R. 13 ☐ East 🗸 West				
Address 2:			2,300 Feet from ✓ North / ☐ South Line of Section				
	State: PA Zi	n. 15238 <sub>+</sub>	360 Feet from ✓ East / ☐ West Line of Section				
Contact Person: Ke		·	Footages Calculated from Nearest Outside Section Corner:				
Phone: (412)_			✓ NE □NW □SE □SW				
CONTRACTOR: Lice			County: Russell				
Name: Royal Drilli			Lease Name: Weeks Trust Well #: 3				
Wellsite Geologist: Ja							
•			Field Name: Wildcat				
Purchaser: NCRA			Producing Formation: Arbuckle				
Designate Type of Co	•		Elevation: Ground: 1778 Kelly Bushing: 1783				
New Well	Re-Entry	Workover	Total Depth: 3575 Plug Back Total Depth:				
✓ Oil 🗌	wsw Swd	SIOW	Amount of Surface Pipe Set and Cemented at: 780 Feet				
Gas G	D&A ENHR	SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No				
□ og	☐ GSW	Temp. Abd.	If yes, show depth set: Feet				
CM (Coal Bed I	•		If Alternate II completion, cement circulated from:				
	Other (Core, Expl., etc.):		feet depth to:sx cmt.				
If Workover/Re-entry:	Old Well Info as follows:						
Operator:	With the state of		Drilling Fluid Management Plan				
Well Name:			(Data must be collected from the Reserve Pit)				
Original Comp. Date:	Original To	otal Depth:	Chloride content: 47,000 ppm Fluid volume: 1,000 bbls				
Deepening	Re-perf. Conv. to	ENHR Conv. to SWD	Dewatering method used: Allow to dry and backfill				
Plug Back:	Plu		Location of fluid disposal if hauled offsite:				
Commingled	Permit #:		Operator Name:				
Dual Complet	ion Permit #:		Operator Name:				
SWD	Permit #:		Lease Name: License #:				
☐ ENHR	Permit #:		Quarter Sec. Twp. S. R. East West				
☐ GSW	Permit #:		County: Permit #:				
5/29/08	6/6/08	6/6/08					
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date					
Kansas 67202, with of side two of this for tiality in excess of 1	nin 120 days of the spud date form will be held confidential 2 months). One copy of all	e, recompletion, workover or c for a period of 12 months if rec wireline logs and geologist wo	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information quested in writing and submitted with the form (see rule 82-3-107 for confidenell report shall be attached with this form. ALL CEMENTING TICKETS MUST form with all temporarily abandoned wells.				
	AFFIDAVIT		KCC Office Use ONLY				
I am the affiant and I hereby certify that all requirements of the statutes, rules and			regu-				
		lustry have been fully complied ect to the best of my knowled					
and the statements he	erom are complete and corr	eer to the best of my knowled	Confidential Release Date:				
1	us 1. M.		Wireline Log Received				
Signature:	u 1. ///		Geologist Report Received KCC MICLUTA				

Title: Operations Analyst

Date: 2/10/11

UIC Distribution

ALT XI III III Approved by: DIG

#### Side Two

perator Name: ABAF	RTA Oil & Gas C	o., Inc.		_ Lease N	ame: _W	eeks Trust		Well #: _3		
ec. 18 Twp.15 S. R. 13 East 🗸 West					County: Russell					
ISTRUCTIONS: Show me tool open and close ecovery, and flow rates ne Logs surveyed. Atta	ed, flowing and shut if gas to surface tes	-in pressures, st, along with fi	whether sh inal chart(s)	iit_in nress	ure reacn	en static level. I	ivui ustatic piess	urca, pottom m	ole temper	ataro,
orill Stem Tests Taken		✓ Yes	□No		<b>√</b> Log	g Formation	(Top), Depth an	d Datum	☐ Sa	ample
(Attach Additional Sh	eets)				Name			Тор		Datum
Samples Sent to Geological Survey		✓ Yes			Anhydri	Anhydrite		773	+10	
Cores Taken		L Yes ✓ Yes		Tarkio l	_ime		2403	-61		
Hectric Log Run Hectric Log Submitted	Electronically	Yes	No ✓ No		3rd Tar	kio Sand (Willa	rd Sand)	2426 -641		
(If no, Submit Copy)	,				Elmont			2465	-68	
ist All E. Logs Run:					Howard	d		2603	-81	
Dual Induction C	ompensated, I	Density/Ne	eutrion, N	⁄licro	Severy	,		2654	-86	i9
	•				Continued - See Attached					
				RECORD	✓ Nev					
	Size Hole	Report al Size Ca		conductor, su		rmediate, producti Setting	on, etc. Type of	# Sacks		and Percent
Purpose of String	Drilled	Set (In		Lbs.		Depth	Cement	Used	Ac	dditives
Surface	12 1/4	8 5/8		23		780	Class A	310	3% CC	2% Gel
Production	7 7/8	5 1/2		15.5		3320	Class A	250	10% Salt	1/4# Flowsea
				OFMENT	INC / SOI	JEEZE RECORD				
	Depth	1				EEZL KLOOKB		Percent Additive		
Purpose:  Perforate	Top Battom	Type of Cement # Sack			s Used	7,560				
Protect Casing Plug Back TD Plug Off Zone		Class A 90		90		FL-10 14#				
		1								
Shots Per Foot	Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/T Specify Footage of Each Interval Perforated					(Ambuilt and talled of material every)			Depth	
4	4 3242-3243					52.9 Bbls 1	52.9 Bbls 15% NE/FE 3% Acetic Acid 3200			
4 3262-3263				20 Bbls 15% NE/FE 3%			% NE/FE 3% A	, , , , , , , , , , , , , , , , , , , ,		3250
			<u> </u>			54 Bbls 15	% NE/FE 3% A	cetic Acid		3244
TUBING RECORD:	Size: 2 7/8	Set At: 3239		Packer	· At:	Liner Run:	☐ Yes 🗸	No		
Date of First, Resumed 9/13/08		ENHR.	Producing Me	ethod:	ping [	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	Oil 5	Bbls.	Gas 0	Mcf	Wa	ater	Bbls.	Gas-Oil Ratlo		Gravity
				METUOD	OE COMP	ETION.		PRODUC	CTION INTE	RVAL:
DISPOSITION OF GAS:			METHOD Perf.	HOD OF COMPLETION.						
Vented So		Se		ren.			ubmit ACO-4)			
(If vented, S	ubmit ACO-18.)	Ot	ther (Specify)							

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Topeka	2670	-885
Heebner	2911	-1126
Toronto	2925	-1140
Douglas	2931	-1146
Lansing	2976	-1191
Base Kansas City	3220	-1435
Arbuckle	3236	-1451
Reagan Sand	3479	-1694
Granite Wash	3571	-1746

RECEIVED FEB 1 1 2011 KCC WICHITA

# QUALITY SILWELL CEMENTING, INC.

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 1984

	<del>                                      </del>			• • •		
Date 6-6-08 Sec.	Twp. Ran	ge Ca	alled Out	On Location	Job Start	Finish 7.45pm
Lease Weeks Trust	Vell No. 3	Locati	on Russe	11/45	Rs County	K State
Contractor Royal Dil	4	• .	Owner	3EKIN		
Type Job Dra Q String	,		To Quality O	ilwell Cementing, Inc	cementing equipmen	at and furnish
Hole Size 778	T.D. 3575	- ·	cementer an		ner or contractor to d	
Csg. 51/2	Depth 3328	3	Charge To	sorta O	Q 4 6a	٤.
Tbg. Size	Depth		Street			<u> </u>
Drill Pipe	Depth		City		State	
Tool	Depth		The above wa	s done to satisfaction a	and supervision of owner	r agent or contractor.
Cement Left in Csg. / \$	Shoe Joint /8	, /				-
Press Max.	Minimum					
Meas Line /5,5	Displace 74	3.58		0 0	CRENT	
Perf.			500 9	rol mud c	lea/-48	:
EQUIPM			Amount U. Ordered	250 Con Pl	0-C 10% S	alt 416
Pumptrk 5 No. Cementer Helper	/ 80	<i>ો લે</i>	Consisting o			flowsed par s
Bulktrk 2 No. Driver Driver	$\mathcal{B}_{\hat{\Gamma}}$	<del>aiu</del>	Common 2.	50 00/452		3712:50
Bulktrk No. Driver Driver	Da	ساس ا	Poz. Mix			
JOB SERVICES	& REMARKS	s .	Gel.	· .		
Pumptrk Charge Dro & S7	tring 1	50000	Chloride			
Mileage /2/	700/	84,00	Hulls			
Footage			Salt 4/7	0 14.0	10	658.00
	Total /	584,00	Flowseal 6	12 0 2.0	00	124,00
Remarks:			mus	P/POV-48 3	5006ml = 100	- 500, pm
Dlug Rat	hote 15	re				
_ mouse hold	0 105/4				Sales Tax	8 <sub>35</sub>
Triplex Shoe or	u Shoe	<b>ナナ</b>	Handling	97 -2	<i>9</i> -	594,00
Cents ON 1,3,		1.	Mileage . O.	8 Per SACK 1	Mile ZHG	300,00
Busket on 13	, , , , , , , , , , , , , , , , , , ,		lump 1	RUCK CHA.		1584,00
					Total	
mixed 30 51		3,5	Floating Equ	ipment & Plugs /	Basket	17500
Lead follows	e ulc	195	Squeeze Ma		the Couts	3900
5h > 14.5	15		Rotating Hea		(	1500 00
	<i>i</i> = <i>i</i>	200.004	,	/Lotch ]	sour plug	425 00
- Landed Pl	ug Do	COPSI			<u>'</u>	
MOST Ne	id			RECEIVE	D	5/1/ 37
	\		-	FEB 1 1 2	Tax	1001 00
Signature Vernish	سيلا			KCC WICH		6/12/00

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. Notwith-standing 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.

# ALLIED CEMENTING CO., LLC. 42825

REMIT TO P.O. B RUSS		NSAS 676	65		SER	VICE POINT:	300
						Russell	
DATE <b>8-20-08</b>	SEC.	TWP.	RANGE 13w	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 1:30 pm
Weeks	WELL#	2	LOCATION P	. 11 1/2 5. 11	201 4	COUNTY	STATE
OLD OR NEW (Ci		~~		sell KS South			Ks
OLDOR NEW (CI	icie one)		Winterset	Rd 21/2 East 3	4 North West	unto	
CONTRACTOR	Royal	Drille	n <i>a</i>	OWNER			
TYPE OF JOB S	ure 2	ح			Ised 90skcon	n 1416.F	1-10)
HOLE SIZE		<u>. T.D</u>	·····	CEMENT	• •		
CASING SIZE 5	1/2		PTH		PRDERED //OC		
TUBING SIZE 2	18		PTH 3/43'	F/~10 c	on side		
DRILL PIPE			PTH 2445/				
TOOL Dan's Pa		DE	PTH 3110'		90	6 12 5 A	1210
PRES. MAX 22 MEAS. LINE	wops		<u>NIMUM</u> OE JOINT	COMMON_ POZMIX		@ <u></u>	1215,00
CEMENT LEFT IN	LCSG	311	OE JOIN I	FOZMIA _ GEL	·	_	· ————
PERFS. 3262	1 000.			GEL _ CHLORIDE		_	
DISPLACEMENT	7:	: 18. 22	C=2.90			_	
		UĮPMENI		FZ-10	14 ±		165,20
	ĿŲ	OLI MILINI			-	_	
DUMPTRUCK	CEMEN	ren T.	701 / 6				
			nn Roberts	<del></del>			
# 366 BULK TRUCK	HELFER	Travis	<b>5</b>			@	
	DRIVER	Davia				_ @	
BULK TRUCK	DICI ( DIC	47004		<del></del>		_ @	
	DRIVER			HANDI INC	1 / 4 .	_@	225,00
	· .	**************************************		— HANDLING	10/sk/mile	@ 2.25	300,00
	RF	EMARKS:		WILLEAGE	1.10/1/2/11	ТОТАІ	1905,20
Tan a i c			@ 3142			IOIAL	, 1103.20
Tool set @	<u> </u>	lail pi	De@3143	•	SEDVI	CF	
tool out s	300 00	cad To	re hole set cir side and	<u> </u>	SERVI	CE	
took a rate	2.5	bhl a	min @ 13000	DEPTH OF	IOR		
Mix 50sk					CK CHARGE		
			Squeezed	EXTRA FO	OTAGE		
			dried up.	MILEAGE _	15-	@ 7,50	112,50
Washed arou	nd teo	1. Ran	down to	1411111111111	)		
3258' and	washt	ed clea	n. Thanks	/	DEATH.	<b>@</b>	
					RECEIVED	_ @	
CHARGE TO:	4bai	rta			FEB 1 1 2011		
STREET					1 2011	TOTAL	1271,50
					KCC WICHIT	Δ	•
CITY	S'	TATE	ZIP	<del></del>	PLUG & FLOA		Jar
					TLUG & FLOA	I EQUITMEN	11
						@	
				****		_ @	
To Allied Cemen	ting Co	LLC					
You are hereby re	-		menting equinm				
and furnish ceme	_				· · · · · · · · · · · · · · · · · · ·	_ @	
contractor to do v							
done to satisfaction						TOTAL	
contractor. I have		-	_	RAL.			
TERMS AND CO	ONDITION	ONS" liste	d on the reverse	side. SALES TAX	(If Any)		
	,		•	TOTAL CHA	ARGES		
PRINTED NAME	Tlean	N. K	asde/				

# **GENERAL TERMS AND CONDITIONS**

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, 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 ALLIED 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 ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED 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 terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.
- —PRICES AND TAXES: All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'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 ALLIED shall be added to the quoted prices charged to CUSTOMER.
- —TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED 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 ALLIED, will be charged to and paid by CUSTOMER.
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  - —SERVICE CONDITIONS AND LIABILITIES:
- 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED 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 ALLIED, 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 ALLIED'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 ALLIED or its employees.
- 2. With respect to any of ALLIED'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 ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.
- 3. ALLIED 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. ALLIED 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. ALLIED'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 ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED 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 ALLIED 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 ALLIED 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 ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.
- (C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

# QUALITY SILWELL CEMENTING, INC.

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 Cell 785-324-1041 Sec. Range Called Out On Location Job Start Finish ... Well No. County i Contractor 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. Hole Size Z8() T.D. Charge Depth Tbg. Size Depth Street **Drill Pipe** Depth City State Tool Depth The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. // Shoe Joint **Press Max** Minimum Meas Line Displace CEMENT Perf. Amount **EQUIPMENT** Ordered No. Cementer 2 **Pumptrk** Consisting of Helper Driver Bulktrk Common Driver Driver. Bulktrk Poz. Mix **JOB SERVICES & REMARKS** Gel. **Pumptrk Charge** Chloride Mileage Hulls Footage Salt Total Flowseal Remarks: Sales Tax Handling Mileage anb# Sub Total Total Floating Equipment & Plugs Squeeze Manifold RECEIVED Rotating Head FEB 1 1 2011 KCC WICHITA Tax Discount Total Charge

### **JAMES C. MUSGROVE**

Petroleum Geologist P.O. Box 215 212 Main St. Claflin, KS 67525

Office (620) 588-4250

Res. Claffin (620) 587-3444

Abarta Oil & Gas Co. Inc. Weeks Trust #3 NW-SE-SE-NE Section 18-15s-13w Russell County, Kansas Page No. 1

# 5 1/2" Production Casing Set

Contractor:

Royal Drilling Company (Rig #1)

Commenced:

May 29, 2008

Completed:

June 6, 2008

Elevation:

1785' K.B.; 1783' D.F.; 1780' G.L.

Casing Program:

Surface; 8 5/8" @780'

Production/Disposal; 5 1/2" @ 3320'

Samples:

Samples saved and examined 2400' to the Rotary Total Depth.

**Drilling Time:** 

One (1) foot drilling time recorded and kept 2400' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

**Drill Stem Test:** 

There were five (5) Drill Stem Tests ran by Trilobite Testing Inc.

**Electric Log:** 

By Superior Well Services.

Gas Detector:

None.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datu</u>	m
Anhydrite	773	+1012	
Tarkio Lime	2403	-618	
3 <sup>rd</sup> Tarkio Sand (Willard Sand)	2426	-641	
Elmont	2465	-680	
Howard	2603	-818	
Severy	2654	-869	
Topeka	2670	-885	
Heebner	2911	-1126	
Toronto	2925	-1140	
Douglas	2931	-1146	
Lansing	2976	-1191	RECEIVED
Base Kansas City	3220	-1435	ECD
Arbuckle	3236	-1451	FEB 1 1 2011
Reagan Sand	3479	-1694	
Granite Wash	3571	-1746	KCC WICHITA
Rotary Total Depth	3575	-1790	,
Log Total Depth	3574	-1789	
(All tops and zones corrected	to Electric Log n	nescurements)	

(All tops and zones corrected to Electric Log measurements).

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# **TARKIO SECTION**

2426-2436'

Sand; gray, grayish green, very fine grained, sub rounded, friable, shaley, micaceous, trace poor stain, trace of free oil and no odor in fresh samples.

# **TOPEKA SECTION**

2670-2682'

Limestone; gray, white, finely crystalline, poor pinpoint type porosity, trace spotty stain, trace of free oil and no odor in fresh samples.

#### **Drill Stem Test #1**

2641-2692'

Times:

30-30-30-45

Blow:

Weak

Recovery:

10' mud

Pressures: ISIP

ISIP 77 psi FSIP 91 psi IFP 15-16 psi FFP 17-17- psi HSH 1287-1258 psi

2710-2715

Limestone; gray, finely crystalline, chalky, fine pinpoint type porosity, trace brown stain, trace of free oil and questionable odor in fresh samples.

2858-2870'

Limestone; white, tan, fossiliferous, chalky, scattered porosity, spotty light brown stain, weak show of free oil and faint odor in fresh samples.

# **TORONTO SECTION**

2925-2936'

Limestone; tan, white, finely crystalline, fossiliferous, scattered porosity, light brown and golden brown stain, trace of free oil and faint odor in fresh samples.

# **LANSING SECTION**

2926-2986'

Limestone; white and gray to tan, finely crystalline, few fossiliferous, questionable stain, no show of free oil and no odor in freeh camples.

in fresh samples.

2965-3002'

Limestone; gray, white, medium crystalline, slightly dolomitic, scattered porosity, light brown to golden brown stain, trace of free oil and fair to good odor in fresh samples.

3010-3018'

Limestone; tan, oomoldic, good oomoldic porosity, brown and

golden brown stain, trace of free oil and fair odor in fresh

samples.

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**Drill Stem Test #2** 

2983-3022'

Times:

30-45-45-60

Blow:

Weak to fair

Recovery:

30' gas in pipe

180' muddy water (show of oil)

Pressures: ISIP 637

ISIP 637 psi FSIP 627 psi IFP 17-51 psi FFP 59-94 psi HSH 1475-1434 psi

3030-3040'

Limestone; white, gray, oolitic, chalky, trace black stain, no show

of free oil and no odor in fresh samples.

3049-3056'

Limestone; gray, oolitic, scattered porosity, fair golden brown to

brown stain, trace of free oil and faint odor in fresh samples.

3070-3080'

Limestone; white/cream, oomoldic, good oomoldic porosity,

brown spotty stain, show of free oil/gassy and faint to fair odor in

fresh samples.

**Drill Stem Test #3** 

3038-3080'

Times:

30-30-30-45

Blow:

Weak

Recovery:

40' mud

Pressures: ISIP

ISIP 820

psi

FSIP 820 IFP 15-24

psi

FFP 27-33 HSH 1491-1460 psi psi

psi

3126-3137'

Limestone; gray, white, sub comoldic, chalky, poor stain, no show of free oil and foir oder in freeh accorded

show of free oil and fair odor in fresh samples.

3144-3151'

Limestone; cream/white, oolitic, chalky, brown scattered stain,

trace of free oil and faint odor in fresh samples.

3160-3168'

Limestone; white, oolitic, sub oomoldic, spotty (poor) stain, no

show of free oil and faint odor in fresh samples.

3196-3201'

Limestone; gray, cream, oolitic/fossiliferous, chalky, brown and golden brown stain, weak show of free oil and fair odor, plus

white chalk.

### **ARBUCKLE SECTION**

3236-3240'

Dolomite; gray, pink, few sandy, poorly developed porosity, no

shows.

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3240-3244'

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**Drill Stem Test #4** 

3210-3244'

Times:

30-30-30-30

Blow:

Weak

Recovery:

10' mud

Pressures: ISIP

62 psi

FSIP 33 psi **IFP** 13-14 psi FFP 14-16 psi HSH 1615-1574 psi

3244-3248'

Dolomite; white and gray, medium crystalline, fair to good intercrystalline and vuggy type porosity, brown and golden brown stain, trace of free oil and fair to good odor in fresh samples.

# **Drill Stem Test #5**

3210-3248'

Times:

30-30-45-45

Blow:

Weak to fair

Recovery:

170' gas in pipe

15' clean gassy oil 62' gassy mud cut oil

(5% gas, 65% oil, 30% mud)

138' very heavy oil and gas cut watery mud (30% gas, 20% oil, 10% water, 40% mud)

Pressures: ISIP

1096

psi

**FSIP 1092** IFP 20-55

psi

FFP 61-103 psi psi

HSH 1647-1575

psi

3250-3262'

Dolomite; gray, white, medium and coarse crystalline, good intercrystalline and vuggy porosity, dark brown stain and saturation, fair show of free oil and good odor in fresh samples.

3270-3285'

Dolomite; as above, plus gray, white, sucrosic, dolomite, fair pinpoint porosity, trace stain, no show of free oil and fair odor in fresh samples.

3285-3305'

Dolomite; white, medium crystalline, few coarse crystalline, good intercrystalline and vuggy porosity, no shows, trace white chert.

3305-3350'

Dolomite; as above, good intercrystalline and vuggy type

porosity, no shows.

3350-3370'

Dolomite; white, cream and gray, coarse crystalline, fair to good

vuggy type porosity, few sandy.

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3370-3385'

Dolomite; tan, gray, finely crystalline sandy, fair porosity, no FEB 1 1 2011

shows.

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3385-3420'

Dolomite; gray, tan, highly sandy, scattered porosity, no shows.

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3422-3450'

Dolomite; gray, white, finely crystalline, slightly cherty, dense.

3450-3474'

Dolomite; as above, sandy in part, trace iron pyrite.

### **REAGAN SECTION**

3479-3500'

Sand; white/clear, very fine to medium grained, sub angular, sub rounded, fair sorting, friable, fair intergranular porosity, trace iron

pyrite, no shows.

3500-3531'

Sand; as above, plus lose unconsolidated, sub rounded, quartz,

trace sand, green tinted, plus green gray shale.

# **GRANITE WASH SECTION**

3531-3574'

Sand; green tined, very fine grained, plus red, pink feldspar, and red/pink granitic sand, plus green and rusty brown shale, trace of

black micaceous.

**Rotary Total Depth** 

3575 (-1790)

Log Total Depth

3574 (-1789)

#### Recommendations:

 $5\,\%$ " production casing was set and cemented at approximately 3320' (235 foot off bottom) and the following zones should be tested in the Weeks Trust #3:

1. Arbuckle

3244-3646

2. Lansing

3068-3072

3. Lansing

3003-3009

4. Lansing

2997-2999

The Weeks Trust #3 was drilled and cased for future use as a salt water disposal well in the Arbuckle Dolomite, Reagan Sand and Granite Wash formations.

Respectfully submitted;

James C. Musgrove Petroleum Geologist

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