### Kansas Corporation Commission Oil & Gas Conservation Division.

ORIGINAL

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 # 33924	API No. 15				
Name: ABARTA 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:	2,000 Feet from North / South Line of Section				
City: Pittsburgh State: PA Zip: 15238 +					
Contact Person: Kennth J. Fleeman	Footages Calculated from Nearest Outside Section Corner:				
Phone: (412 ) 963-6443	✓ NE □NW □SE □SW				
·	County: Russell				
CONTRACTOR: License #_33905  Name:Royal Drilling, Inc.	Lease Name: Weeks Trust Well #: 2				
Wellsite Geologist: James C. Musgrove	Field Name: Wildcat				
NODA	Producing Formation: Arbuckle				
	Elevation: Ground: 1832 Kelly Bushing: 1839				
Designate Type of Completion:					
✓ New Well Re-Entry Workover	Total Depth: 3401 Plug Back Total Depth:				
✓ Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: 832 Feet				
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes 🔀 No				
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set:Feet				
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:				
Cathodic Other (Core, Expl., etc.):	feet depth to: sx cmt.				
If Workover/Re-entry: Old Well Info as follows:					
Operator:	Drilling Fluid Management Plan				
Well Name:	(Data must be collected from the Reserve Pit)				
Original Comp. Date: Original Total Depth:	Chloride content: 48,000 ppm Fluid volume: 1,000 bbls				
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Dewatering method used: Allow to dry and backfill				
Conv. to GSW	Dewatering method used: Allow to dry allo baskini				
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:				
Commingled Permit #:	Operator Name:				
Dual Completion Permit #:	Lease Name: License #;				
SWD Permit #:					
ENHR Permit #:	Quarter Sec. Twp. S. R. East West				
GSW Permit #:	County: Permit #:				
8/27/08 9/1/08 9/1/08					
Spud Date or Date Reached TD Completion Date or Recompletion Date					
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re					
AFFIDAVIT	KCC Office Use ONLY RECEIVED				
I am the affiant and I hereby certify that all requirements of the statutes, rules and					
lations promulgated to regulate the oil and gas industry have been fully complie	d with Letter of Confidentiality Received FEB 1 # 2011				
and the statements herein are complete and correct to the best of my knowled	ge. Confidential Release Date: KCC 1440				
$1 \cdot n \cdot n $	Wireline Log Received				
Signature: \( \lambda \lambda \rangle \)	Geologist Report Received				
Title: Operations Analyst Date: 2/9/11	UIC Distribution				

Date: 2/9/11

Operator Name: ABARTA Oil & Gas Co., Inc.				_ Lease Name: Weeks Trust				Well #:2_		
Sec. 18 Twp.15					Russe					
NSTRUCTIONS: Sho time tool open and clos recovery, and flow rates line Logs surveyed. At	sed, flowing and shu s if gas to surface te	t-in pressures st, along with	, whether sh final chart(s	ut-in press	sure reac	hed static level	, hydrostatic press	iures, bottom h	ole temper	rature, fluid
Drill Stem Tests Taken		✓ Yes	☐ No		<b>√</b> Lo	g Formatio	on (Top), Depth an	d Datum	☐ Sa	ample
(Attach Additional Si Samples Sent to Geold	•	✓ Yes	□No		Name Anhydi			Тор 828	Da +10	atum )11
Cores Taken		Yes	✓ No		Tarkio			2451	-61	2
Electric Log Run		✓ Yes	☐ No		3rd Ta	rkio Sand		2475	-63	6
Electric Log Submitted (If no, Submit Copy)	· ·	Yes	✓ No		Elmon			2515	-67	6
(н но, завиш вору)					Howar			2651	-81	2
List All E. Logs Run:	Componented	Doneity/N	outron M	licro	Topek			2717	-87	8
Dual Induction C & Sonic Log	compensated,	Density/N	<del>c</del> utton, IV	IICI U	'	a nued - See Att	tached			
			CASING	RECORD	✓ Ne					
***************************************		Report a				ermediate, produc	ction, etc.			
Purpose of String	Size Hole Drilled	Size C Set (In		Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used		nd Percent Iditives
Surface	12 1/4	8 5/8		23		832	Class A	350	3% CC	2% Gel
Production	7 7/8	5 /12		15.5		3372	Class A	250	6% Gel	10% Salt
			ADDITIONAL	CEMENT	ING / SQL	JEEZE RECOR	D			
Purpose:	Depth		Cement	# Sack				Percent Additive	s	
Perforate Protect Casing	Top Bottom									
Plug Back TD				-						
Plug Off Zone										
Shots Per Foot	PERFORAT Specify	ION RECORD Footage of Ea	- Bridge Plug ch Interval Pei	gs Set/Type rforated			racture, Shot, Ceme (Amount and Kind of N		ord	Depth
4	3280 - 3283									
4	3286 - 3290	Anna Holm								
4	3304 - 3308									
TUBING RECORD:	Size: 2 7/8	Set At: 3269		Packer	At:	Liner Run:	Yes 🗸 N	io		1
Date of First, Resumed	d Production, SWD or E	ENHR.	Producing Me	thod:  Pump	oing [	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	Oil 47	Bbls.	Gas 0	Mcf	Wa	ater	Bbls.	Gas-Oil Ratio		Gravity
DISPOSIT	ION OF GAS:			METHOD (	OF COMP	ETION:		PRODUC	TION INTER	RVAL:
Vented Sol		ie Or	pen Hole	Perf.	Dua	lly Comp.		3276-3401		
[]	ubmit ACO-18.)	,,	ther (Specify) _		(Submi	t ACO-5) (S	Submit ACO-4)			
1		ر ا	(2000)/ -							

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Heebner	2958	-1119
Toronto	2973	-1134
Douglas	2989	-1150
Lansing	3028	-1189
Base Kansas City	3263	-1424
Arbuckle	3276	-1437

# ALLIE CEMENTING CO., LLC. 34549 3029

You are hereby requested to rent cementing equipment

REMIT TO P.C	D. BOX 31					SER	RVICE POINT	
RU	JSSELL, KA	NSAS 67	665	1			Kity	55/11
				. •				
DATE	SEC.	TWP.	RANGE		CALLED OUT	ON LOCATION	1:000m	JOB FINISH
WEEKS TOU	S # WELL#	ク	LOCATION /	RUSSEL	15 Winterse	-1 2)	COUNTY	STATE
OLD OR NEW	(Circle one)	•	2	うりに	3/42/ W			
	1)			1				
CONTRACTOR		#5	- 45		"OWNER			se a still s
TYPE OF JOB	,547 fe	700		_;	*			
HOLE SIZE	· · · · · · · · · · · · · · · · · · ·	T.I	Contract of the last of the la	<u> </u>	CEMENT			
CASING SIZE	8 \$/8	G-46%	EPTH 8.32	<u> </u>	AMOUNT OR	DERED 35	OCom 3	1066
TUBING SIZE		34	EPTH		.*	· · · · · · · · · · · · · · · · · · ·		10606
DRILL PIPE	· · ·		EPTH	<del>,</del>	-	· · · · · · · · · · · · · · · · · · ·		
TOOL			EPTH	<del></del>	COLUMN			State of the state
PRES. MAX			INIMUM	·····	COMMON	*	@	
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BULK TRUCK		2 0	<i>F</i>				<u> </u>	
#396	DRIVER	KUCK	1/			Ann San Carlotte	@	
BULK TRUCK								matter of
#	DRIVER		· · · · · · · · · · · · · · · · · · ·	<del></del>	HANDLING_		@	
•	S.				MILEAGE			<u> </u>
	RE	MARKS:	2				TOTAL	
Cemp	101 City	w let x	2			`		
	*** (7.00)	<u> </u>				SERV	ICE	
			×.		DEPTH OF JO	В		• • • • • • • • • • • • • • • • • • • •
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To Allied Cem	enting Co.,	LLC.	4		A CONTRACTOR OF THE CONTRACTOR	· · · · · · · · · · · · · · · · · · ·	@	

## ALLIED CEMENTING CO., LLC. 34552

SERVICE POINT: REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SEC. RANGE CALLED OUT ON LOCATION JOB START 13 WEKS LOCATION KUSSELLS Winterset D WELL# 2 LEASE Trust OLD OR NEW (Circle one) 2/2 E 340 Winto CONTRACTOR **OWNER** TYPE OF JOB **CEMENT HOLE SIZE** AMOUNT ORDERED Lead Conevet 100 6/4 CASING SIZE </2 DEPTH 3371.83 TUBING SIZE Tail 150 6m 10% Sett DRILL PIPE **DEPTH** TOOL **DEPTH** PRES. MAX **MINIMUM** COMMON\_ 32.02 MEAS. LINE POZMIX CEMENT LEFT IN CSG. GEL PERFS. **CHLORIDE DISPLACEMENT** 79 1/2 BC **EOUIPMENT** PUMP TRUCK 417 HELPER Matt BULK TRUCK DRIVER Dova BULK TRUCK DRIVER Chris H. # 378 HANDLING TOTAL 4463 **REMARKS:** Set@3338.98 **SERVICE** DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE \_\_ MANIFOLD -@ @ CHARGE TO: Aborte Oil + Gas TOTAL 2047 KCC MICHITA STREET \_ CITY\_\_\_\_\_STATE \_\_\_ ZIP\_ **PLUG & FLOAT EQUIPMENT** To Allied Cementing Co., LLC. @ You are hereby requested to rent cementing equipment @ and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTAL \_8 72. done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES \_\_\_\_\_

PRINTED NAME\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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.
- —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 ALLIED for the expenses incurred by ALLIED as a result of the cancellation.
- —DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'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. 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.



Prepared For: **Abarta** 

> 1000 Gamma Dr. Ste 400 Pittsburg, Pa.

15238

ATTN: Jim Musgrove

#### 18 15 13 Russell KS

#### Weeks trust #2

Start Date: 2008.08.31 @ 13:00:54

End Date: 2008.08.31 @ 19:29:18

Job Ticket #: 32463 DST#: 1

> RECEIVED FEB 1 0 2011 KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Abarta

Weeks trust #2

18 15 13 Russell KS

1000 Gamma Dr. Ste 400

Pittsburg, Pa.

15238

Job Ticket: 32463

**DST#:1** 

ATTN: Jim Musgrove

Test Start: 2008.08.31 @ 13:00:54

**GENERAL INFORMATION:** 

Time Test Ended: 19:29:18

Formation:

Interval:

LKC "B - C"

Deviated:

No

Time Tool Opened: 14:47:49

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Brian Fairbank

Unit No:

1839.00 ft (KB)

Reference ⊟evations:

1832.00 ft (CF)

KB to GR/CF:

Total Depth: Hole Diameter:

3032.00 ft (KB) To 3081.00 ft (KB) (TVD) 3081.00 ft (KB) (TVD) 7.88 inches Hole Condition:

7.00 ft

Serial #: 8371

Press@RunDepth:

Outside

230.30 psig @

13:00:54

Whipstock:

3036.00 ft (KB)

Capacity:

7000.00 psig

Start Date: Start Time:

2008.08.31

End Date: End Time:

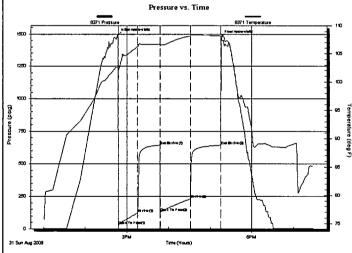
2008.08.31 19:29:18 Last Calib .: Time On Btm: 2008.08.31

Time Off Btm:

2008.08.31 @ 14:47:19 2008.08.31 @ 17:16:19

TEST COMMENT: IFP BOB 7 min

ISI 1" blow back FFP BOB 11 min FSI BOB 35 min



		PI	RESSUR	RE SUMMARY
1	Time	Pressure	Temp	Annotation
1	(Min.)	(psig)	(deg F)	
	0	1492.76	102.66	Initial Hydro-static
	1	28.45	102.07	Open To Flow (1)
1	28	122.29	106.24	Shut-In(1)
4	60	641.98	106.70	End Shut-In(1)
empe	61	127.13	106.37	Open To Flow (2)
ature	104	230.30	108.16	Shut-In(2)
Temperature (deg F)	148	643.87	108.18	End Shut-In(2)
J	149	1478.60	108.33	Final Hydro-static
				i

#### Description Length (ft) Volume (bbi) 215.00 MW 09%W, 10%M 3.02 190.00 GO & WCM 20%G, 10%O, 15%W, 55%M2.67 75.00 G FREE OIL 10%G, 85%O, 5%M 1.05

Recovery

Gas Rates						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)			
	,	•	•			



**TOOL DIAGRAM** 

Abarta

15238

Pittsburg, Pa.

Weeks trust #2

18 15 13 Russell KS

Job Ticket: 32463

**DST#: 1** 

Test Start: 2008.08.31 @ 13:00:54

**Tool Information** 

Drill Pipe:

Drill Collar:

Length: 3034.00 ft Diameter: Heavy Wt. Pipe: Length:

Length:

0.00 ft Diameter: 0.00 ft Diameter:

ATTN: Jim Musgrove

1000 Gamma Dr. Ste 400

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume:

Total Volume:

42.56 bbl 0.00 bbl 0.00 bbl 42.56 bbl

Tool Weight:

2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Tool Chased

0.00 ft

String Weight: Initial 38000.00 lb

Final

40000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

22.00 ft 3032.00 ft

Depth to Bottom Packer: Interval between Packers:

ft 49.00 ft 69.00 ft

Tool Length: Number of Packers:

2 Diameter:

inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3017.00		
Hydraulic tool	5.00			3022.00		
Packer	5.00			3027.00	20.00	Bottom Of Top Packer
Packer	5.00			3032.00		
Stubb	1.00			3033.00		
Perforations	2.00			3035.00		
Change Over Sub	1.00			3036.00		
Recorder	0.00	8018	Inside	3036.00		
Recorder	0.00	8371	Outside	3036.00		
Blank Spacing	31.00			3067.00		
Change Over Sub	1.00			3068.00		
Perforations	10.00			3078.00		
Bullnose	3.00			3081.00	49.00	Bottom Packers & Anchor

**Total Tool Length:** 

69.00

Trilobite Testing, Inc

Ref. No: 32463

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**FLUID SUMMARY** 

38 deg API

50000 ppm

Abarta

Weeks trust #2

1000 Gamma Dr. Ste 400

Pittsburg, Pa.

15238

ATTN: Jim Musgrove

18 15 13 Russell KS

Job Ticket: 32463

Serial #:

DST#: 1

Test Start: 2008.08.31 @ 13:00:54

Oil API:

Water Salinity:

**Mud and Cushion Information** 

Mud Type: Gel Chem

9.00 lb/gal

Mud Weight: Viscosity: 44.00 sec/qt

Water Loss: Resistivity:

10.76 in<sup>3</sup> ohm.m

Salinity: Filter Cake: 4000.00 ppm inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psig

**Recovery Information** 

Recovery Table

Length Description Volume ft bbl 215.00 MW 09%W, 10%M 3.016 190.00 GO & WCM 20%G, 10%O, 15%W, 55%M 2.665 75.00 G FREE OIL 10%G, 85%O, 5%M 1.052

Total Length:

480.00 ft

Total Volume:

6.733 bbl

Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location:

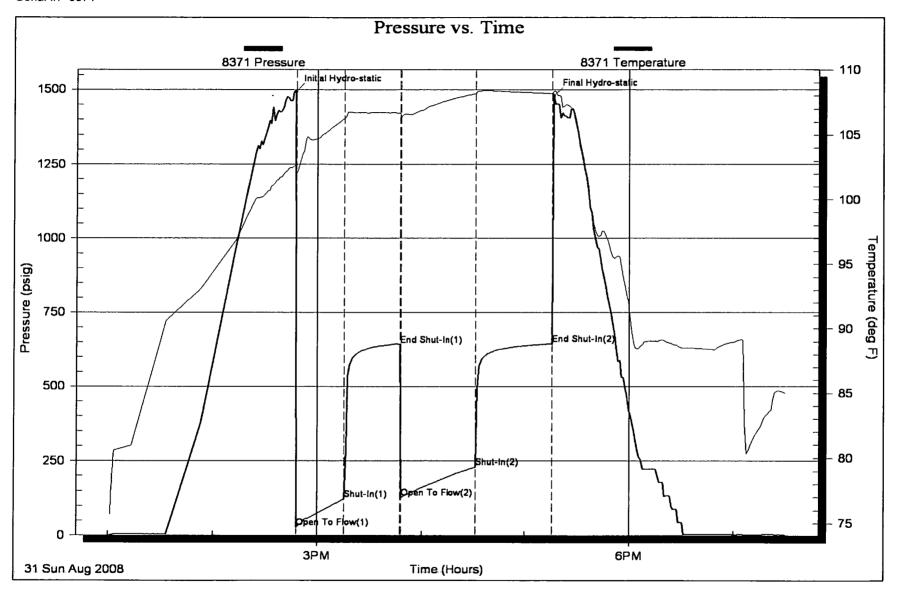
Laboratory Name: Recovery Comments: BHT 40APID @ 80F

RW .107@ 82F

Trilobite Testing, Inc.

Ref. No: 32463

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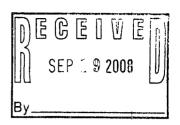
#### JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Abarta Oil & Gas Co. Inc. Weeks Trust #2 NW-SE-SE-NE (2000' FNL & 1940' FEL) Section 18-15s-13w Russell County, Kansas Page No. 1



#### 5 1/2" Production Casing Set

Contractor:

Royal Drilling Company

Commenced:

August 27, 2008

Completed:

September 1, 2008

**Elevation:** 

1839' K.B.; 1837' D.F.; 1832' G.L.

Casing Program:

Surface; 8 5/8" @ 832'

Production/Disposal; 5 1/2" @ 3400'

Samples:

Samples saved and examined 2600' to the Rotary Total Depth.

**Drilling Time:** 

One (1) foot drilling time recorded and kept 2300' to the Rotary

Total Depth.

Measurements:

All depths measured from the Kelly Bushing.

**Drill Stem Test:** 

There was one (1) Drill Stem Test ran by Trilobite Testing Inc.

Electric Log:

By Superior Well Services; Dual Induction Compensated

Density/Neutron, Micro & Sonic Log.

<u>Formation</u>	Log Depth	Sub-Sea Datum
Anhydrite	828	+1011
Tarkio Lime	2451	-612
3 <sup>rd</sup> Tarkio Sand	2475	-636
Elmont	2515	-676
Howard	2651	-812
Topeka	2717	-878
Heebner	2958	-1119
Toronto	2973	-1134
Douglas	2989	-1150
Lansing	3028	-1189
Base Kansas City	3263	-1424
Arbuckle	3276	-1437
Rotary Total Depth	3400	-1561
Log Total Depth	3401	-1562
(All tops and zones corrected	ed to Electric Log n	neasurements).

#### SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

#### Remarks:

No samples caught through Tarkio section, Samples start at 2600 ft.

Abarta Oil & Gas Co. Inc. . Weeks Trust #2 NW-SE-SE-NE (2000' FNL & 1940' FEL) Section 18-15s-13w Russell County, Kansas Page No. 2

#### **TOPEKA SECTION**

Limestone; tan, slightly fossiliferous, poor visible porosity, poor brown edge staining, one piece trace of free oil and faint odor in 2717-2724'

fresh samples.

Limestone; gray, tan, finely crystalline, fossiliferous, poor visible 2742-2746'

porosity, no shows, questionable odor.

Limestone; as above, scattered pinpoint porosity, brown spotty 2756-2762'

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

Limestone; tan, gray, finely crystalline, few granular, chalky, 2835-2850'

scattered pinpoint porosity, no shows.

Limestone; tan, fossiliferous, few granular, chalky, no shows. 2875-2900'

Limestone; gray, white, finely crystalline, few fossiliferous, trace 2900-2930'

poor brown stain, no show of free oil and faint odor.

Limestone; as above, poor porosity, trace gray chert. 2938-2950'

#### TORONTO SECTION

Limestone; cream, white/gray, finely crystalline, chalky, few 2973-2988'

dolomitic, trace brown and light brown stain, weak show of free

oil and questionable odor.

#### LANSING SECTION

Limestone; white/ray, finely crystalline, fossiliferous in part, 3028-3034

chalky, poor light brown stain, no show of free oil and no odor.

Limestone; as above, poor visible porosity, trace medium 3044-3054

crystalline, limestone, scattered intercrystalline porosity, light

brown stain, trace of free oil.

Limestone; tan, oomoldic, good oomoldic porosity, brown stain 3060-3070'

and saturation, show of free oil and good odor in fresh samples.

#### 3032-3081' **Drill Stem Test #1**

30-30-45-45 Times:

Weak to strong Blow:

390' gas in pipe Recovery: 75' clean gassy oil

190' oil and gas cut watery mud

(20% gas, 10% oil, 15% water, 55% mud)

RECEIVED

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KCC WICHITA

215' muddy water

Pressures: ISIP 642 psi

**FSIP 644** psi 28-122 psi IFP

127-230 psi FFP HSH 1493-1452 psi

Limestone; cream, white, fossiliferous, chalky, no shows. 3076-3090'

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3098-3108'	Limestone; gray, tan, fossiliferous/oolitic, chalky, brown spotty stain, no show of free oil and faint odor in fresh samples.
3110-3119'	Limestone; as above, chalky, trace gray chert.
3120-3130'	Limestone; gray, white, oomoldic, fair to good oomoldic porosity, light brown to golden brown stain, trace of free oil and fair odor in fresh samples.
3140-3150'	Limestone; white, chalky, dense.
3150-3160'	Limestone; as above, trace gray, opaque chert.
3171-3180'	Limestone; gray, fossiliferous, sub oomoldic, trace poor light brown stain, no show of free oil and questionable odor in fresh samples.
3190-3200'	Limestone; white, oolitic, chalky, poor porosity.
3201-3212'	Limestone; white, gray, oomoldic, chalky, fair porosity, trace light brown stain, trace of free oil, odor samples broken.
3238-3250'	Limestone; white/gray, oolitic, chalky, poor visible porosity, no shows.
3250-3260'	Limestone; as above, no shows.

#### **ARBUCKLE SECTION**

3276-3283'	Dolomite; white, cream, fine to medium crystalline, golden brostain, trace of free oil and faint odor in fresh samples.	wn
3283-3290'	Dolomite; as above, sandy in part, poor to fair stain, trace of froil and faint odor in fresh samples.	ee
3290-3310'	Dolomite; gray, white, medium crystalline, fair intercrystalline porosity, fair brown and golden brown stain, show of free oil at fair odor in fresh samples.	nd
3311-3325'	Dolomite; white/cream, medium and coarse crystalline, fair to good intercrystalline and vuggy porosity, brown and dark brow stain, show of free oil and fair to good odor in fresh samples.	'n
3325-3350'	Dolomite; as above, increasingly cherty, scattered pinpoint and intercrystalline porosity, decreasing stain, show of free oil and odor.	d
3350-3370'	Dolomite; cream, white, finely crystalline, few medium coarse crystalline, fair intercrystalline porosity, sandy in part, no show	S.
3370-3390'	Dolomite; as above, trace white and gray chert.	
3390-3401'	Dolomite and chert as above; fair porosity, no shows.	EIVE

Rotary Total Depth Log Total Depth

3400 (-1561) 3401 (-1562)

Abarta Oil & Gas Co. Inc.

Weeks Trust #2

NW-SE-SE-NE (2000' FNL & 1940' FEL)
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Russell County, Kansas

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#### **Recommendations:**

On the basis of the favorable structural position and the positive results of Drill Stem Test #1, it was recommended that 5 ½" production casing be set and cemented at 3399' (one foot off bottom) and the following zones be tested in the Weeks #2:

1.	Arbuckle	3280-3283	perforate
2.	Lansing	 3120-3124	perforate
3.	Lansing	3101-3104	perforate
4.	Lansing	3060-3064	perforate
5.	Topeka	2720-2726	perforate

Respectfully submitted;

- C. Mys

James C. Musgrove Petroleum Geologist 307