

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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

**ORIGINAL**

OPERATOR: License # 34110  
Name: Caerus Kansas LLC  
Address 1: 600 17TH ST, STE 1600 N  
Address 2: \_\_\_\_\_  
City: Denver State: CO Zip: 80202 + \_\_\_\_\_  
Contact Person: Amy Lay  
Phone: ( 720 ) 880-6414  
CONTRACTOR: License # 34233  
Name: Maverick Drilling LLC  
Wellsite Geologist: Herb Deines  
Purchaser: Plains Marketing L.P.

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>6/27/11</u>	<u>7/3/11</u>	<u>7/19/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25570-00-00  
Spot Description: \_\_\_\_\_  
NW SE NE NE Sec. 36 Twp. 17 S. R. 14  East  West  
975 Feet from  North /  South Line of Section  
635 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Barton  
Lease Name: Patton Trust Well #: 36-41  
Field Name: Boyd  
Producing Formation: Arbuckle  
Elevation: Ground: 1870 Kelly Bushing: 1879  
Total Depth: 3440 Plug Back Total Depth: 3405'  
Amount of Surface Pipe Set and Cemented at: 826 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: 4600 ppm Fluid volume: 160 bbls  
Dewatering method used: Hauled to disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Caerus Kansas LLC  
Lease Name: Hullman Trust #2 License #: 34110  
Quarter NW Sec. 36 Twp. 21 S. R. 12  East  West  
County: Stafford Permit #: 30,004

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: A. Lay  
Title: Operations Tech Date: 9/21/11

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dg Date: 9/27/11

Operator Name: Caerus Kansas LLC Lease Name: Patton Trust Well #: 36-41  
 Sec. 36 Twp. 17 S. R. 14  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Comp Density/Neutron, ML, Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Wood Siding</td> <td>2412'</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3050'</td> <td></td> </tr> <tr> <td>Lansing-Kansas City</td> <td>3140'</td> <td></td> </tr> <tr> <td>Arbuckle</td> <td>3363'</td> <td></td> </tr> </table>	Name	Top	Datum	Wood Siding	2412'		Heebner	3050'		Lansing-Kansas City	3140'		Arbuckle	3363'	
Name	Top	Datum														
Wood Siding	2412'															
Heebner	3050'															
Lansing-Kansas City	3140'															
Arbuckle	3363'															

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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12-1/4"	8-5/8"	24#	826'	60/40 Poz	350	3% CC + 2% Gel
Production	7-7/8"	5-1/2"	15.5#	3436'	60/40 Poz	150	3% CC + 2% Gel

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ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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
8	3382'-3384'		
	CIBP @ 3379'		
8	3370'-3372'		
16	3363'-3367'		

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>3375'</u> Packer At: <u>3332'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>7/21/11</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>0</u>
	Water Bbls. <u>20</u>	Gravity <u>38</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3370'-3372'</u> <u>3363'-3367'</u>
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4889

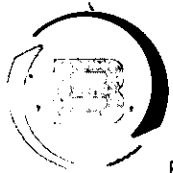
Date	6/28/11	Sec.	36	Twp.	17	Range	14	County	Barton	State	KS	On Location		Finish	3:05 PM				
Lease	Patton Trust		Well No.		36-41		Location									Hosington, 2 W. 1/2 S, Winto			
Contractor	Maverick Drilling Rig #108				Owner														
Type Job	Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.														
Hole Size	12 1/4"		T.D.		827'														
Csg.	8 5/8" 24 #		Depth		82.5'														
Tbg. Size			Depth		Charge To											Cactus Kansas LLC			
Tool			Depth		Street											P.O. Box 1378			
Cement Left in Csg.	17'		Shoe Joint		17'											City		Hays State KS 67601	
Meas Line			Displace		5 1/2 #											The above was done to satisfaction and supervision of owner agent or contractor.			
													Cement Amount Ordered			350 cu Con 3/4 CC 2 1/4 gal			

### EQUIPMENT

Pumptrk	5	No.	Cementor	Paul	Common	350	
			Helper				
Bulktrk	13	No.	Driver	Brandon	Poz. Mix		
			Driver				
Bulktrk	A1	No.	Driver	Rocky	Gel.	7	
			Driver				
<b>JOB SERVICES &amp; REMARKS</b>							
Remarks:						Calcium	13
Rat Hole						Hulls	
Mouse Hole						Salt	
Centralizers						Flowseal	
Baskets						Kol-Seal	
D/V or Port Collar						Mud CLR 48	
Est. Circ.						CFL-117 or CD110 CAF 38	
Max 350 cu						Sand	
Displace						Handling	370
Land Plug						Mileage	17 1/2
Cement Circulated						<b>FLOAT EQUIPMENT</b>	
<b>Quality Oilwell Cementing</b>							
1 - Bottle Plate + Rubber Plug							
Head + Manifold							
Pumptrk Charge						Long Surface	
Mileage						16	
						Tax	
						Discount	
						Total Charge	

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X Signature *Bill Steen*



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 0000 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>7-3-2011</b> DISTRICT <b>PRATT, Ks.</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>CAERUS OPERATING</b>		LEASE <b>PATTON TRUST</b> WELL NO. <b>36-41</b>							
ADDRESS		COUNTY <b>BARTON</b> STATE <b>Ks.</b>							
CITY STATE		SERVICE CREW <b>ESLEY, MITCHELL, BURGARDT</b>							
AUTHORIZED BY <b>BRIAN KARLIN</b>		JOB TYPE: <b>CNW-5 1/2" L.S.</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19870	2					7-3-11	7:30		
19889-19842	2					ARRIVED AT JOB		AM	10:30
19831-21010	2					START OPERATION		AM	2:30
						FINISH OPERATION		PM	4:00
						RELEASED		AM	5:00
						MILES FROM STATION TO WELL			65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	600/40 POZ	SK	150		1,800.00
CP 103	600/40 POZ	SK	50		600.00
CC 111	SALT	lb	807		403.50
CC 112	CEMENT FRICTION REDUCER	lb	97		582.00
CC 201	GIL SUNITE	lb	748		501.16
CF 607	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1		400.00
CF 1251	AUTO FILL FLOAT SHOE, 5 1/2"	EA	1		360.00
CF 11051	TURBOLIZER, 5 1/2"	EA	6		660.00
CF 1901	BASKET, 5 1/2"	EA	1		290.00
CC 151	MUD FLUSH	GAL	1000		300.00
E 100	PICKUP MILEAGE	MI	65		276.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	130		910.00
E 113	BULK DELIVERY CHARGE	TM	559		894.40
CE 204	DEPTH CHARGE; 3001' - 4000'	HR	1-4		2,160.00
CE 240	BLENDING SERVICE CHARGE	SK	200		280.00
CE 501	CASING SWIVEL RENTAL	EA	1		200.00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00
CE 503	HIGH HEAD CHARGE (DERRICK CHARGE)	EA	1		300.00

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CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		DLS 8402.82

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	

## Agreement of Terms and Conditions

All sales of services, products, or materials by Basic Energy Services LP, (hereinafter called BES) to any Customer, unless otherwise set out in writing, are subject to the terms and conditions set out herein.

### Terms:

All Service Charges and materials included in service price list are NET. Unless satisfactory credit has been established, cash payment will be required in advance. Credit Customer agrees to pay BES in its office in Cisco, Texas, for all services and materials on or before the 20th of the following month after the date of the invoice. Customer's invoice is considered in default if payment has not been received by the last day of the month following the month in which the invoice is dated and services delivered. Past due accounts will be subject to a charge for interest at the highest rate allowable by law, and if placed in the hands of an attorney for collection, Customer agrees to pay all collection costs, reasonable attorney fees and court costs.

### Taxes:

All prices are exclusive of any Federal, State or Special Taxes imposed on the sale or use of the merchandise and services listed, which taxes will be added to quoted prices where applicable. If payment of any applicable royalty or license fee is required in connection with any service performed by BES for Customer, such royalty or license fee will be billed to the Customer in addition to the price of the services performed.

### Special Pricing Provisions:

All materials listed in the price schedule are F.O.B. our field stock.

All prices are subject to change without notice. The prices in this price list apply to normal operations. Special jobs under unusual circumstances on jobs requiring unusual mobilization of equipment and/or personnel, such as blowouts, experimental jobs, etc., are to be subject to special price quotations.

Orders for products of special design, size or materials are not subject to cancellation after processing of such order has begun by BES. Equipment altered, made to Customer's specifications, or requiring special handling, is subject to special prices.

If materials or services are ordered and the Customer cancels same after the materials have been prepared, a charge will be made to the Customer for expenses incurred.

Customer states that the well and all support personnel and services not being supplied by BES are ready and in condition to receive the materials and services being supplied by BES. Customer will be subject to a charge for "stand-by" time incurred by BES. For all BES services, stand-by time is all time our equipment is on location prior to commencement of operations or after completion of operations and is not operating for reasons not within the control of BES. Stand-by time is calculated from time of arrival on location or arrival time as scheduled by Customer, whichever is later, and until equipment is released by Customer.

### Towing Charges:

We will make reasonable attempts to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer. In either event, Customer assumes liability for any damages arising from such pulling or arising from inadequate access to the well site.

### Product Return:

Any BES Products that have been in the hands of the Customer, if not special or obsolete, will be accepted for credit, subject to our approval and inspection, if they are new unused and in salable condition. The Customer will pay the return freight, and will receive credit at the original purchase price less the original outbound freight. Any material classified or ordered as special is not subject to return or cancellation privileges.

### Service Warranty:

There are obviously many conditions in and about the well which we can have no knowledge and over which we can have no control. Therefore, we do not guarantee any particular results from services to be performed hereunder. In interpreting information and making recommendations, either written or oral, as to type or amount of material or service to be furnished, or manner of performance, or in predicting results to be obtained therefrom, BES will give Customer the benefit of its best judgment based on its experience in the field. However, due to the Customer's control of the well the impracticality of providing BES with all the data concerning same, and the necessary reliance of BES upon supporting services, data and facts supplied by others, BES does not guarantee or warrant the accuracy or correctness of any facts, information or data furnished by BES or any interpretation of tests, meter readings, chart information, analysis of research or recommendations made by BES, unless caused by the willful misconduct or gross negligence of BES in the preparation of furnishing of such facts, information or data and NO WARRANTY IS GIVEN CONCERNING THE RECOMMENDATIONS MADE OR SERVICES RENDERED BY THE COMPANY AND NO WARRANTY IS MADE CONCERNING THE RESULTS SOUGHT TO BE OBTAINED THROUGH USE OF MATERIALS RECOMMENDED BY THE COMPANY. The Company's liability for injury to all persons or damage to any property or property rights, including but not limited to reservoir damage sub-surface trespass or drainage, etc., occasioned by reason of materials sold or rented or services performed hereunder shall be limited to those occurring due to the acts of willful misconduct or gross negligence of BES, and Customer agrees to be responsible for and indemnify BES against any loss or damage it may sustain by reason of materials sold or rented or services performed hereunder, unless such loss or damage is caused by the willful misconduct or gross negligence of BES.

### Product Warranty:

BES warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended, and that it can convey good title thereto. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BES's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale of use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on the return to BES or at BES's option, to the allowance to the customer of credit for the cost of such items. In no event shall BES be liable for special, incidental, indirect, punitive or consequential damages.

### Service Conditions:

Because there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

BES shall not be liable or responsible for a Customer shall defend, indemnify, and save BES harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to Customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by or on behalf of Customer, the well owner, or any third person, arising out of or in connection with BES's performance of services or the furnishing of materials, products and supplies, unless caused by the willful misconduct or gross negligence of BES.

Customer shall also be responsible for and shall defend, indemnify and save BES harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occur-

ring as a result of sub-surface trespass arising out of any oil well operations or services performed by BES, this provision applying to any claims or legal actions or royalty owners, working interest holders, overriding royalty interest holders, or any other person or concern.

Should any of our equipment, tools or instruments become lost in the well when performing or attempting to perform our services hereunder, it is understood that the Customer shall make reasonable effort to recover the lost equipment. The Customer shall assume the entire responsibility for such fishing operations in the recovery or attempted recovery of any such lost equipment, tools or instruments and if such equipment, tools or instruments are not recovered, Customer shall pay BES its replacement cost unless such loss is due to the sole negligence of BES. If BES's equipment, tools or instruments are damaged in the well, Customer shall pay BES the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of BES.

Work done by BES shall be under the direction, supervision and control of the owner, operator, or his agent and BES will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

The Customer shall at all times have complete care, custody and control of the well, the drilling and production equipment at the well and the premises about the well.

Any delays or failure by BES in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike, labor trouble, accident riot, acts of God, or any contingencies beyond the reasonable control of BES. Disposal of the chemicals used in the performance of this contract is the responsibility of Customer. Customer agrees the chemicals will be disposed of in accordance with all applicable Federal, State and local laws and regulations.

### General Provisions:

Wherever the initials BES appear in this document, they are intended solely to be an abbreviation of Basic Energy Services LP, and are used in substitution of such full name as if the full name were set out in each instance.

Any modifications of this document by the Customer, and all additional or different terms included in the Customer's purchase order or any other document responding to this document, are hereby objected to BY REQUESTING ANY OF THE GOODS AND SERVICES SET FORTH HEREIN BUYER AGREES TO ALL THE TERMS AND CONDITIONS CONTAINED IN THIS DOCUMENT.

BES reserves the right to change or modify the design of any BES product without obligation to furnish or install such changes or modification on products previously or subsequently sold.

Information regarding our services rendered in Customer's well is held in strict confidence and will be released to others only upon written approval by owner, or when required by Federal, State or Local Laws, Regulations, Orders or Ordinances, or for use as evidence in court proceedings involving the subject matter of services rendered.

Failure to enforce any or all of the herein specified terms or conditions in any particular instance shall not constitute a continuing waiver, or preclude subsequent enforcement thereof.

No employee, representative or agent other than an officer of BES is empowered to alter any of the herein specified terms and conditions.

These terms and condition shall be governed by the laws of the State of Texas, and in case of any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, such shall not affect any other provision hereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

# CAERUS

OIL AND GAS LLC

Scale 1:240 Imperial

Well Name: PATTON TRUST 36-41  
 Surface Location: NW SE NE NE 36-17S-14W  
 Bottom Location:  
 API: 15-009-25570-00-00  
 License Number: 34110  
 Spud Date: 6/27/2011 Time: 8:00 AM  
 Region: BARTON  
 Drilling Completed: 7/2/2011 Time: 7:40 PM  
 Surface Coordinates: 975' FNL & 635' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1870.00ft  
 K.B. Elevation: 1879.00ft  
 Logged Interval: 0.00ft To: 3439.00ft  
 Total Depth: 3440.00ft  
 Formation: ARBUCKLE  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**OPERATOR**

Company: CAERUS KANSAS, LLC.  
 Address: P.O. BOX 1378  
 HAYS, KS 67601

Contact Geologist: GENE DAVIS  
 Contact Phone Nbr: (303) 565-4600

Well Name: PATTON TRUST 36-41  
 Location: NW SE NE NE 36-17S-14W  
 Pool:  
 State: Kansas

API: 15-009-25570-00-00  
 Field: BOYD  
 Country: USA

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: -98.8135926 Latitude: 38.5332796  
 N/S Co-ord: 975' FNL  
 E/W Co-ord: 635' FEL

**LOGGED BY**



Company: SOLUTIONS CONSULTING  
 Address: 108 W 35TH  
 HAYS, KS 67602

Phone Nbr: (785)258-3737  
 Logged By: Geologist Name: JEFF LAWLER

**CONTRACTOR**

Contractor: MAVERICK DRILLING, LLC.  
 Rig #: 108  
 Rig Type: MUD ROTARY  
 Spud Date: 6/27/2011 Time: 8:00 AM  
 TD Date: 7/2/2011 Time: 7:40 PM  
 Rig Release: 7/3/2011 Time: 1:00 PM

**ELEVATIONS**

K.B. Elevation: 1879.00ft Ground Elevation: 1870.00ft  
 K.B. to Ground: 9.00ft

**NOTES**

Recommendation:

5 1/2" production casing was run. There was only one DST run and due to the positive recovery it is recommended to evaluate with perforation any zones with an oil show and/or odor.

Respectfully Submitted,

Jeff Lawler

**DST #1**

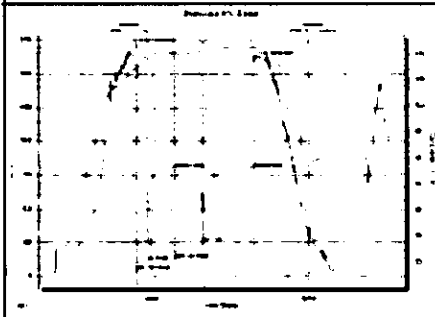
	<b>DRILL STEM TEST REPORT</b>	
	Caerus Kansas LLC P.O. Box 1378 Hays, KS 67601 ATTN: JEFF LAWLER	Patton Trust 36-41 36-17S-14W Barton Job Total: 41501 DST# 1 Test Date: 08/15/2011 @ 07:00:00
<b>GENERAL INFORMATION:</b>		
Formation: Arbuton Deviated: To Whistler Time Tool Opened: 08.41.10 Time Test Began: 08.22.29	R. M.	Test Type: Conventional Bottom Hole Tester: Andy, Caerus/KCC Unit No: 33

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 SEP 23 2011  
 KCC WICHITA

Interval: 3330.00 ft (FMS To) - 3360.00 ft (FMS (TYD)) Reference Elevations: 1879.00 ft, MS  
 Total Depth: 3330.00 ft (FMS) (TYD) 1879.00 ft, OF  
 Hole Diameter: 2.83 inches Hole Condition: P/B MS to CAS OF 9.00 ft

Wellbore ID: 6352 Outcrop  
 Press@RunDepth: 252.81 psig @ 3343.00 ft (MS) Capacity: 8000.00 gal  
 Start Date: 2011.07.02 End Date: 2011.07.02 Last Core: 2011.07.02  
 Start Time: 07:34:05 End Time: 13:32:39 Time On Bit: 2011.07.02 @ 08:41:00  
 Time On Bit: 2011.07.02 @ 12:57:32

TEST COMMENT: FF, 15 min, 800.8 ft  
 @ 30 min: Return heat meter bore, Died in TD  
 FF, 30 min: 800.8 ft  
 FF, 30 min: Return Bore, Surface, Died in 15 min.



Time (min)	Pressure (psig)	Temp (deg F)	Annotation
0	252.81	127.75	Initial Hydrostatic
1	43.60	128.62	Open To Flow #1
15	118.99	129.41	Close #1
45	800.89	110.19	End Chamber 1
46	131.09	129.87	Open To Flow #2
76	252.81	110.84	Close #2
127	797.85	111.70	End Chamber 2
132	1623.77	111.20	Final Hydrostatic

Length (ft)	Count	Volume (gal)
124.00	10% CL, 20% O, 70% M	1.74
184.00	10% CL, 60% O	2.61
279.00	2% O, 98% O	3.91

Core Index	Pressure (psig)	Core Length (ft)

RECEIVED  
 SEP 23 2011  
 KCC WICHITA

**ROCK TYPES**

- Chi vari
- Dolprim
- Lms1 fw7> shale, gry
- Carbon Sh shale, red

**ACCESSORIES**

**FOSSIL**

- ^ Bioclastic or Fragmental
- † Bryozoa
- Crinoids
- † Oolite
- Plant Remains
- Fusulinid

**STRINGER**

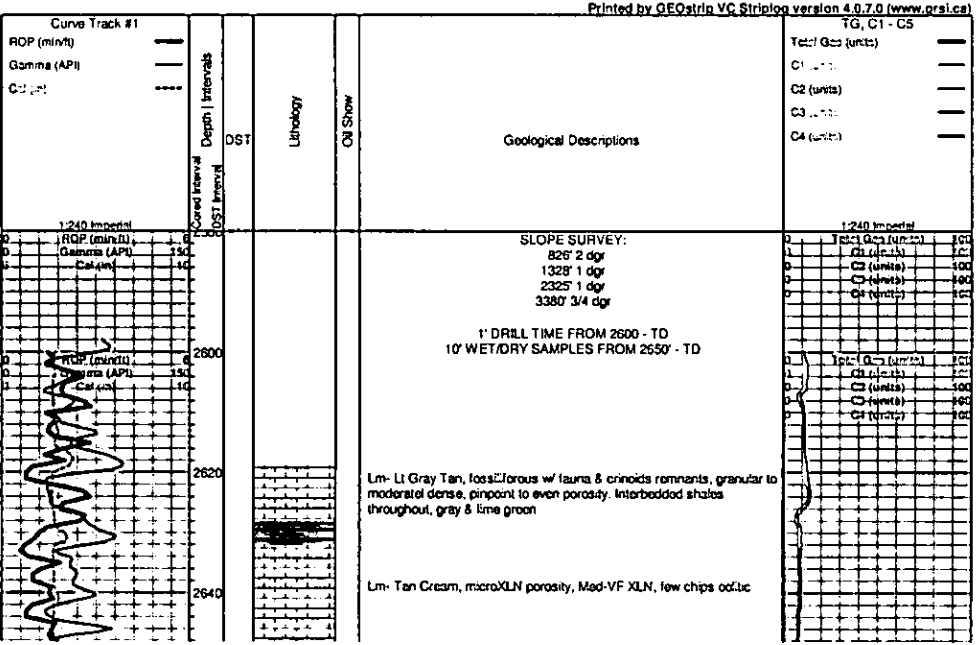
- Shale
- green shale
- red shale
- carb shale

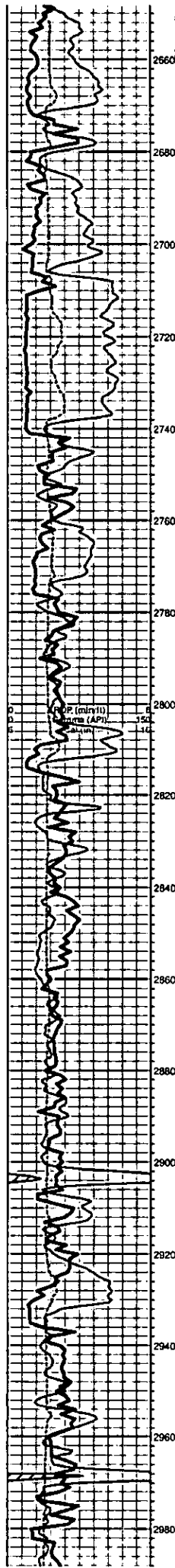
**TEXTURE**

- Earthy
- Mx Microfin

**OTHER SYMBOLS**

- DST
- DST Int
- DST alt





Lm- Gray Tan Cream, weathered trashy mix, fossil fragments, moderately sorted

Sh- Gray Lime Green Purple, slick & fissile. Pea Green well sorted, VF grained speckled Ss., few individual coarse grains & VF grained rose colored clusters. Dove gray mica speckled Ss.

Lm- Brown Lt Gray, weathered trashy mix, rip-up clast, fossil fragments, some moderately dense w/ microXLN porosity. NO STN NO ODR

Lm- A/A w/ pyrite speckled Cream well sorted, med grained XLN

Sh- Gray Red Brown Lime Green, Abundant gray Sh., both fissile & slick rounded, sticky. Dove Gray fine grained well sorted Ss.

**TOPEKA 2739 (L-860) F.L.O.G. 2739 (L-857)**

Lm- Tan Cream Golden Yellow Gray, oolitic in part. FXLN, moderately dense w/ solution porosity and recrystallization.

Sh- Gray Brown, sticky & dull, Gray & Maroon fine grained well sorted Ss.

Lm- Cream Lt Gray, well sorted VF grained, light earthy texture w/ some mica fragments & silicious fossil remnants.

Lm- Lt Gray Cream, unconsolidated w/ fossil fragments & remnants mixed in a higher energy depositional environment.

Lm- Cream Lt Gray A/A w/ cream oolitic, moderately dense w/ silicious fauna fossils. silty in part

Sh- Black Gray, Carbonaceous fissile.

Lm- Cream Lt Brown, XLN throughout in part, some w/ XLN solution porosity & recrystallization, some dense w/ no visible porosity, some moderately dense w/ microcrystalline porosity.

Lm/Sh mix- Gray Cream, silty shales some unconsolidated, Ls. transitional into carbonate sequence, silty to moderately dense w/ no visible porosity. Silicious fossil casts, XLN & intercrystalline porosity, some speckled w/ glauconite. Few chips of trashy gray chert.

Lm- Cream Tan Lt Gray, well sorted, silty, rip-up clasts & bio-clastic mix. moderately dense w/ pinpoint porosity.

Sh- Black Gray Red Maroon, Carbonaceous, rounded slick & earthy, maroon granular

Lm- Cream Lt Gray, VF XLN, well sorted w/ pinpoint porosity

Sh- Gray Red, slick rounded, somewhat sticky gray shale

Lm- Cream Tan, Homogenous to Mod grained XLN, pinpoint to intersolution & recrystallization porosity, some granular in part.

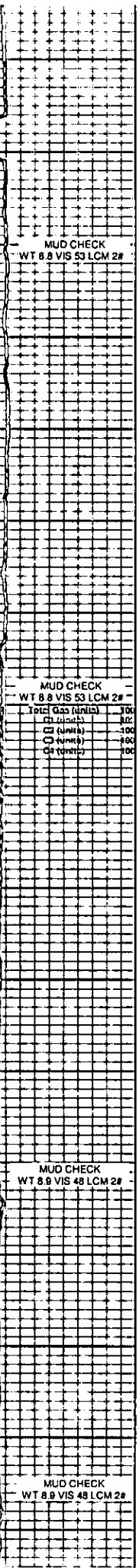
Lm- Cream Lt Gray Tan, bio-clastic mix w/ fusulines & crinoid remnants, Tan XLN solution porosity

Sh- Gray, rounded slick, white chalky lime

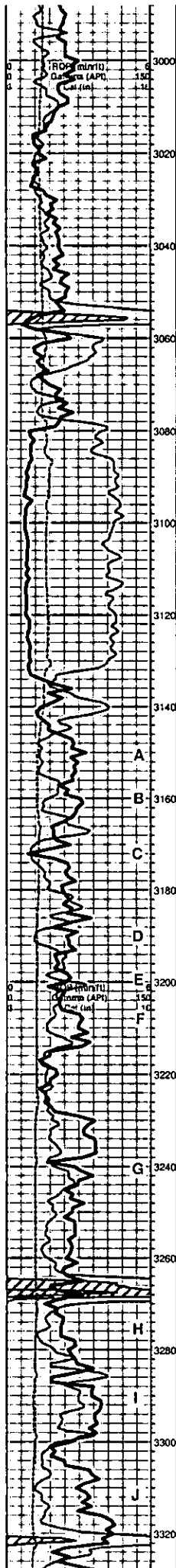
Lm- Tan Cream, XLN & slightly fossiliferous

Sh- Black Gray, Fissile Carbonaceous Dove Gray speckled Ss

Lm- Tan Cream Lt Gray, XLN w/ solution porosity & recrystallization, few chips of reworked lt brown chert.







Lm- Gray Tan Cream, Med-Coarse grained XLN, elastic mix w/ pinpoint porosity, some granular in part.  
 Lm- Tan Cream, moderately dense XLN porosity, oolitic, few micro-oolite well cemented clusters  
 Sh- Gray Red, Rounded earthy texture, slick, White silty lime  
 Lm- Tan Gray, VF XLN, moderately dense to granular & pinpoint porosity, both w/ large coarse grained solution and recrystallization veins. Some cherty to very silicious Ls NO STN NO ODR NSO  
 Lm- Gray Cream, VF XLN moderately dense w/ no visible porosity, fossiliferous w/ fusulinids & few crinoids.  
 HEPNER SHALE 3054 (-1175) E-LOG 3057 (-1174) Sh- Black Carbonaceous Fissile, blocky abundant shale  
 TORONTO 3071 (-1182) E-LOG 3075 (-1182) Sh- Gray Red Lime Green, rounded slick edged, Dove Gray to Lime Green glauconitic speckled VF grained Ss. Lm- Off White, Pristine VF grained to silty in part.  
 DOUGLAS SHALE 3030 (-1201) E-LOG 3078 (-1199)

Sh- Gray Silver Red Brown, fissile silvers, round edged & slick, maroon granular & earthy textured  
 BROWN LIME 3134 (-1255) E-LOG 3132 (-1253) Lm- Tan Cream, Fine grained XLN to moderately dense, pinpoint to cryptocrystalline porosity.  
 LKC 3144 (-1255) E-LOG 3142 (-1253) Lm- Tan Cream, Fine-medium grained XLN w/ solution porosity & recrystallization, fossiliferous w/ crinoids, few chips w/ slight residual STN.  
 Lm- Cream Tan, VF XLN, moderately dense w/ pinpoint to no visible porosity.  
 Lm- Cream Lt Gray, Medium to Coarse XLN throughout, fossiliferous crinoids & fusulinids, Pinpoint to microcrystalline porosity.  
 Lm- Tan Cream Gray, dense silicious oolitic, cryptocrystalline porosity, reworked trashy cemented oolites & bioclastic mix, silicious fauna remnants, 1 chip w/ VRY FNT SCATTERED STN  
 Lm- Tan Cream, solution porosity, moderately dense NSO NO ODR  
 Lm- Cream to Off White, Moderately dense to scattered porosity, scattered residual stain, fine to coarse grained grained XLN.  
 Lm- Cream Tan Gray, FXLN, interstitial solution porosity & recrystallization, LT GSY STN in porous veins. Lower section bioclastic oolitic mix well cemented.  
 Sh- Red Gray, silvers, fissile, earthy texture  
 Lm- Tan Cream Gray, VF XLN, dense cryptocrystalline porosity  
 Sh- Black Red Gray Silver, Fissile blocky, rounded & slick  
 Lm- Tan Off White, moderately dense to silty, interstitial porosity, FNT ODR, 3 chips w/ LT GSY RESIDUAL STN, NO FLOR  
 Lm- Tan Cream, FXLN w/ pinpoint porosity, some w/ interstitial scattered porosity, few chips w/ scattered STN DO, flaky baked oil.  
 Sh- Gray Red Lime Green, round edged & smooth, Dark Green speckled Ss.  
 Lm- Gray Off White, dense cryptocrystalline silicious w/ no visible porosity, dark bakod glauconite staining, few crinoids. 2 chips silty to granular, pinpoint porosity throughout, LT GSY STN DO

