



KANSAS CORPORATION COMMISSION 1114937
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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1114937

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Apollo Energies, Inc.
Well Name	Hutchinson A-1
Doc ID	1114937

Tops

Name	Top	Datum
Heebner Shale	3672	-1567
Toronto	3690	-1585
Douglas Shale	3700	-1595
Brown Lime	3783	-1678
Lansing	3790	-1675
KC	4063	-1958
Cong	4200	-2095
Shale		
Mississippi	4214	-2109
Viola	4312	-2207
RTD		
LTD	4390	-2285



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 07067 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>2-3-13</u>		DISTRICT <u>KANSA</u>		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 <u>Apollo Energies Inc</u>				LEASE <u>Hutchinson # A-1</u>				WELL NO.							
ADDRESS				COUNTY <u>PAWNEE 9-23-17</u>				STATE <u>KC</u>							
CITY				STATE				SERVICE CREW <u>Allen Mike, Dale</u>							
AUTHORIZED BY				JOB TYPE: <u>8 5/8" Surface</u>				<u>CMW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
<u>#28443 P11</u>	<u>1</u>						<u>2-2-13</u>			<u>10:50</u>					
<u>19903-19905</u>	<u>1</u>						<u>2-3-13</u>			<u>3:30</u>					
<u>70959-19918</u>	<u>1</u>						<u>2-3-13</u>			<u>4:00</u>					
							<u>2-3-13</u>			<u>5:00</u>					
							<u>2-3-13</u>								
							<u>2-3-13</u>								
						MILES FROM STATION TO WELL <u>65 miles</u>									

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: _____

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CP102</u>	<u>60/40 Poz</u>	<u>SK</u>	<u>225</u>		
<u>CC102</u>	<u>cell Flake</u>	<u>lb</u>	<u>57</u>		
<u>CC109</u>	<u>calcium chloride</u>	<u>lb</u>	<u>582</u>		
<u>CF153</u>	<u>wooden cmt Plug 8 5/8"</u>	<u>EA</u>	<u>1</u>		
<u>E100</u>	<u>unit mileage chg. P.U.</u>	<u>mi</u>	<u>65</u>		
<u>E101</u>	<u>Heavy Equip. Mileage</u>	<u>mi</u>	<u>130</u>		
<u>E113</u>	<u>Bulk Del. Charge</u>	<u>TM</u>	<u>631</u>		
<u>CF200</u>	<u>Depth Charge 0-200'</u>	<u>4hr</u>	<u>1</u>		
<u>CF240</u>	<u>Blending & mixing Service chg</u>	<u>SK</u>	<u>225</u>		
<u>CE504</u>	<u>Plug container 8 5/8"</u>	<u>Job</u>	<u>1</u>		
<u>S003</u>	<u>Service Supervisor first 8hrs</u>	<u>EA</u>	<u>1</u>		
SUB TOTAL					<u>\$4737.57</u>

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen Mike THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(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. Customers 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.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 07512 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>2-10-2013</u> DISTRICT	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 <u>APOLLO ENERGIES, INC.</u>	LEASE <u>HUTCHINSON</u> WELL NO. <u>A-1</u>								
ADDRESS	COUNTY <u>PAWNEE</u> STATE <u>KS.</u>								
CITY STATE	SERVICE CREW <u>LESLEY, MARQUEZ, GIBSON</u>								
AUTHORIZED BY	JOB TYPE: <u>CNL - P.T.A.</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	ARR PM	TIME
<u>37586</u>	<u>11.5</u>						<u>2-9-13</u>		<u>7:00</u>
<u>17881-17843</u>	<u>11.5</u>					ARRIVED AT JOB		AM PM	<u>9:00</u>
<u>14960-21010</u>	<u>11.5</u>					START OPERATION		AM PM	<u>9:30</u>
						FINISH OPERATION	<u>2-10-13</u>	AM PM	<u>5:30</u>
						RELEASED		AM PM	<u>6:30</u>
						MILES FROM STATION TO WELL			<u>65</u>

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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<u>CP 103</u>	<u>CO140 P02</u>	<u>SK</u>	<u>170</u>		<u>2,040.00</u>
<u>CC 200</u>	<u>CMT. AFL</u>	<u>LB</u>	<u>294</u>		<u>73.50</u>
<u>E 100</u>	<u>PICKUP MILEAGE</u>	<u>MTL</u>	<u>65</u>		<u>276.25</u>
<u>E 101</u>	<u>HEAVY EQUIPMENT MILEAGE</u>	<u>MTL</u>	<u>130</u>		<u>710.00</u>
<u>E 113</u>	<u>BULK DELIVERY CHARGE</u>	<u>TM</u>	<u>478</u>		<u>764.40</u>
<u>CE 202</u>	<u>DEPTH CHARGE 1000-2000'</u>	<u>HR</u>	<u>1-4</u>		<u>1,500.00</u>
<u>CE 240</u>	<u>BLENDING SERVICE CHARGE</u>	<u>SK</u>	<u>170</u>		<u>238.00</u>
<u>S 003</u>	<u>SERVICE SUPERVISOR</u>	<u>EA</u>	<u>1</u>		<u>175.00</u>

SUB TOTAL 4184.00

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$		
MATERIALS	%TAX ON \$		
TOTAL		<u>4184.00</u>	<u>00</u>

SERVICE REPRESENTATIVE _____	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY _____ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. _____

LITHOLOGY STRIP LOG

WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: HUTCHINSON A#1
Location: E/2 SE/4
License Number: API: 15-145-21707-00-00
Spud Date: February 2, 2013
Surface Coordinates: Section 9-T23S-R17W, 1320' FL, 660' FEL
Bottom Hole Coordinates: GARFIELD Pool
VERTICAL Hole

Region: Pawnee County, Kansas
Drilling Completed: February 9, 2013

Ground Elevation (ft): 2093
Logged Interval (ft): 3500
Formation: Viola
Type of Drilling Fluid: Chemical Mud, Displace at 3486'

K.B. Elevation (ft): 2105
To: 4385
Total Depth (ft): 4385'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Apollo Energies, Inc
Address: 10378 N 281 HWY
Pratt, Kansas 67124-7920

GEOLOGIST

Name: W. Scott Alberg
Company: Alberg Petroleum, LLC
Address: 609 Meadowlark Lane
Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
Heebner Shale	3668(-1563)	3672(-1567)
Toronto	3690(-1585)	3690(-1585)
Douglas Shale	3697(-1592)	3700(-1595)
Brown Lime	3779(-1674)	3783(-1678)
Lansing	3787(-1682)	3790(-1675)
B/KC	4058(-1953)	4065(-1959)
Conglomerate	4194(-2089)	4200(-2095)
Shale		
Mississippian	4214(-2109)	4214(-2109)
Viola	4311(-2208)	4312(-2207)
RTD	4385(-2280)	
LTD		4390(-2285)

COMMENTS

Surface Casing: Set 7 joints 8 5/8" at 318' with 225 sxs 60/40 Poz 2% gel, 3% cc, plug down at 4:00 am on February 3, 2013. Cement did Circulate.
Production Casing: None
Deviation Surveys: 337' - 2, 379' - 1, 1070' - 1, 1606' - 1, 2115' - 1/4, 2592' - 1/4, 3157' - 1 1/2, 3378' - 1 3/4, 3632' - 1, 3886' - 1 1/4, 4250' 2 1/2, 4267' - 1, 4385' - 1 1/4.
Contractor Bit Record:
1- 12 1/4" out at 337'.
2- 7 7/8" out at 4385'.

Pipe Strap at 4250'
Strap 4270.77
Board 4267.58
Strap Long 3.19 long

Gas Detector: NONE
Mud System: Mud Co., Jason Whiting, Engineer
DSTs: Triolobite Testing, 2 tests ran
Logged By: Pioneer Logging Services.
LTD - 4390'.

DSTs

DST #1 4184 to 4250', Times 30-60-30-60'
1st Opening, Strong Blow, BOB 6 minutes, no blow back
2nd Opening, Strong Blow, BOB 22 minutes, no blow back.
Recovery: 130' GIP, 70' Drilling Mud.
IFP 35-43# FFP 42-59#
ISIP 224# FSIP 199#
IHP 2007# FHP 1972#
Temp 113 degrees.

DST #2 4250 to 4299', Times 30-60-30-60
1st Opening, Good Blow, 8 inches, no blow back
2nd Opening, Good Blow 8 inches, no blow back.
Recovery: 150' GIP, 35' OCM (10% Oil, 90% Mud)
IFP 20-28# FFP 31-39#
ISIP 281# FSIP 214#
IHP 2046# FHP 2014#
Temp 111

RECOMMENDATIONS

Based on the results of negative DSTs, samples shows and log calculations, it was recommended by all parties this test well be plugged and abandoned.

Respectfully,
W. Scott Alberg

CREWS

Fossil Drilling, Inc Rig #4
Tool Pusher - Craig Eubank
Drillers - Days - Daniel Orrantia
Evening - Kerry Clark
Morning - Andres Moestes
Relief - Jim Wenrich

ROCK TYPES

Anhy	Bent	Brec	Chrt	Clyst	Coal	Congl	Dol	Sdy dolo	Shy dolo	Dol	Gyp	Sdy lmst	Lmst	Mlrst	Salt	Shale	Stst	Ss	Black sh	Gry sh	Shale	Shalest	Stysh
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ACCESSORIES

MINERAL	Chlorite	Dol	Sand	Sily	Algae	Amph	Belm	Bioclst	Brach	Bryozoa	Cephal	Coral	Crin	Echin	Fish	Foram	Fossil	Gastro	Oolite	Ostra	Pelec	Pellet	Pisolite	Plant	Strom	Fuss	Oomoldic	Grysh	Gryslt	Lms	Sandylms	Sh	Ststn	Boundst	Chalky	Cryxln	Earthy	Finexln	Grainst	Lithogr	Microxln	Mudst	Packst	Wackest
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