

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33344  
Name: Quest Cherokee Oilfield Service, LLC  
Address: 211 W. 14th Street  
City/State/Zip: Chanute, KS 66720  
Purchaser: Bluestem Pipeline, LLC  
Operator Contact Person: Richard Howard  
Phone: (620) 431-9500  
Contractor: Name: M.O.K.A.T. Drilling  
License: 5831  
Wellsite Geologist: Julie Talkington

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

1/11/2005	1/12/2005	1/20/2005
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26277-00-00  
County: Neosho  
\_\_\_\_\_ ne ne Sec. 31 Twp. 28 S. R. 19  East  West  
660 feet from S  (circle one) Line of Section  
660 feet from  E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: Heilman, Vern L. Well #: 31-3  
Field Name: Cherokee Basin CBM

Producing Formation: Rowe/Neutral/Riverton  
Elevation: Ground: 944' Kelly Bushing: \_\_\_\_\_  
Total Depth: 988' Plug Back Total Depth: 983'  
Amount of Surface Pipe Set and Cemented at 21'6" Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 983'  
feet depth to surface w/ 128 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 No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East  West   
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

Alt II Dlg 3-19-05

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**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.

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: [Signature]  
Title: Head of Operations Date: 5/12/2005  
Subscribed and sworn to before me this 12th day of May  
20 05  
Notary Public: Jennifer R. Houston  
Date Commission Expires: July 30, 2005

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

JENNIFER R. HOUSTON  
Notary Public - State of Kansas  
My Appt. Expires 7/30/05

J

X

Operator Name: Quest Cherokee Oilfield Service, LLC Lease Name: Heilman, Vern L. Well #: 31-3  
 Sec. 31 Twp. 28 S. R. 19  East  West County: Neosho

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lenapah Lime	262'	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Altamont Lime	294'	+650'
List All E. Logs Run:		Pawnee Lime	390'	+554'
		Oswego Lime	472'	+472'
		Verdigris Lime	615'	+329'
		Mississippi Lime	933'	+11'
Comp Density/Neutron Dual Induction Gamma Ray/Neutron				

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
Surface	11"	8-5/8"	24.75#	21'6"	"A"	4sx	
Production	6 3/4"	4 1/2"	10.5#	983'	"A"	128sx	

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				

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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
4	863.5'-865.5'	1100 gal 15% acid	863.5'-865.5'
4	869.5'-871'	1.25 gal biocide	869.5'-871'
4	921'-924.5'	11 gal KCl	921'-924.5'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method				
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

Quest Cherokee LLC Cementing Report

Date: 1-20-2005

Well: Heilman, Vern. #31-3 Legals: 31-285-19E Neosho Co.

RE: Run & Cement Longstring

Times:

11:50 AM Notified KCC Office-Date 1/20/05

- 1 10:50 AM Rig (Hurricane well service) on location and rig up
- 2 10:50 AM Casing (Buckeye supply) on location and spot casing trailer
- 4 12:35 PM Rig (Hurricane well service) TIH w/ 983' ft. of casing
- 3 11:45 AM COWS on location and rig up
- 5 1:20 PM Rig (Hurricane well service) Hit fill approx. 40' ft. from TD
- 6 1:35 PM COWS wash casing to TD and circulate 2 sks gel to surface *Start wash down*
- 7 2:10 PM Rig (Hurricane well service) land casing *1:20 p.m. End wash 2:00 p.m.*
- 8 2:25 PM Rig (Hurricane well service) rig down and off location *Total wash time 40 min*
- 9 2:25 PM COWS pump- Circulate w/ fesh H2O, run calcium chloride activator *Dirty Hob.*  
Solution, run 10 bbl dye w/ liquid sodium silicate or Flow stop *Medium/La.*  
Cement until dye return, flush pump, pump plug w/ KCL water *5'ood cutting*  
Set float shoe *in surfaced gel.*
- 10 3:15 PM COWS rig down and off location

Cement Slurry

Total cement 128 sks

Cement blend: OWC or Chemthix-P, 5# Gilsonite, 1/4# Flo-seal

Cement slurry weight: 13.9

Average surface pressures:

Cement circulation pressure: 0

Plug circulation pressure: 750

Circulation during job: GOOD FAIR POOR

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Hole/Casing/Float Equipment Summary:

6 3/4 Hole size—Hole depth 987'

4 1/2 Casing size—Casing weight 10 1/2 #per/ft Range 3-plus shoe

983 Casing depth

Centralizers (4) location on casing: Baskets (1) Location on casing

C1. 964 Q 762 Q 561 B 361 B 160

1 ea 4 1/2 Latch down float shoe w/ notched collar on bottom

1 ea 4 1/2 Latch down plug

Narrative section: Hurricane rigged up over the hole upon Q.C.O.S.

Arrival, Buckeye supply's pipe truck/trailer stuck in the mud approx 150' from the well head. Had to mobilize/roll the Dozer from the first location. Dozer 12:00 p.m. Arrival. Dozer had to level gravel material piles from the well pad prior to spotting pipe trailer. (20 min) Land owner pulled and spotted pulling rig with farm tractor, could not pull pipe trailer any closer to the well than 150'. Too muddy & slick. Ran one Basket at the 361 to stage cement fall back.

**TREATMENT REPORT  
& FIELD TICKET CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-20-2005		Heilman, Bern #31-3	31	285	19E	No.

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRUCK HOURS	EMPLOYEE SIGNATURE
Tolw. M	11:40	5:41	No	903348	5	<i>[Signature]</i>
Wes. T	11:40	5:37	No	903255	5	<i>[Signature]</i>
Timmy. H	11:40	5:09	No	903206	5	<i>[Signature]</i>
Leon. H	11:40	5:05	No	903106	5	<i>[Signature]</i>
Tim. A	11:40	5:08	No	903140	5	<i>[Signature]</i>

? TYPE Long String HOLE SIZE 6 3/4 HOLE DEPTH 988 CASING SIZE & WEIGHT 4 1/2 / 10 1/2  
 CASING DEPTH 985 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 15.6 DISPLACEMENT PSI 750 MIX PSI 0 RATE \_\_\_\_\_

REMARKS:

Circulate with fresh H<sub>2</sub>O, ran 2 sks gel to surface. Ran 1 sks Calcium Chloride with a 1.5 BBL pad before going to 10 BBL Pge with 2 sks flow stop. Cement until dye set. Flush pump, pump plug with K.C.L. water, set float shoe. Dose. Had to road to location (1 mile) did not arrive until 12:00pm. to level material piles around the well head, and spot pipe for a friendly neighborhood farmer, possibly the land owner, spotted the pulling unit with his tractor. Ran one basket at the 361' to stage cement fallback. Which seems to be occurring more often than not, since running the New Clem thin cement mix.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	# 903348	Foreman Pickup	
	# 903255	Cement Pump Truck	
	# 903206	Bulk Truck	
1104		Portland Cement	
1124		50/50 POZ Blend Cement	
<del>1126</del>		OWC - Blend Cement	
1110	13 sks	Gilsonite	
1107	1 sks	Flo-Seal	
1118	2 sks	Premium Gel	
1215A	1 gal	KCL	
<del>1111</del>	2 sks	Sodium Silicate	
1123	2730 sks	City Water	
	# 903140	Transport Truck	
	# 90377	Transport Trailer	
	# 903106	80 Vac	

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*Clem thin P 128 sks w/ Additives*

*65 BBL*