

ORIGINAL

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

Operator: License # 33344  
Name: Quest Cherokee, LLC  
Address: 211 W. 14th Street  
City/State/Zip: Chanute, KS 66720  
Purchaser: Bluestem Pipeline, LLC  
Operator Contact Person: Gary Laswell  
Phone: (620) 431-9500  
Contractor: Name: L S Well Service, LLC  
License: 33374  
Wellsite Geologist: Julie Shaffer

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. \_\_\_\_\_

<u>2/2/06</u>	<u>2/3/06</u>	<u>2/10/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26467-00-00  
County: Neosho

\_\_\_\_\_ - \_\_\_\_\_ - se - se Sec. 23 Twp. 28 S. R. 17  East  West  
660 feet from  N (circle one) Line of Section  
660 feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Hardin, Caroline M. Well #: 23-3  
Field Name: Cherokee Basin CBM

Producing Formation: multiple  
Elevation: Ground: 1055 Kelly Bushing: n/a  
Total Depth: 1238 Plug Back Total Depth: 1233.71  
Amount of Surface Pipe Set and Cemented at 23.7 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1233.71  
feet depth to surface w/ 151 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.: \_\_\_\_\_

**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: 6/1/06  
Subscribed and sworn to before me this 1st day of June,  
20 06.  
Notary Public: Jennifer B. Annan  
Date Commission Expires: July 30, 2009

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**JUN 02 2006**  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Quest Cherokee, LLC Lease Name: Hardin, Caroline M. Well #: 23-3  
 Sec. 23 Twp. 28 S. R. 17  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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i>  List All E. Logs Run:  Comp. Density/Neutron Log Dual Induction Log Gamma Ray Neutron Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum See Attached
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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
Surface	11"	8-5/8"	20#	23.7	"A"	5	
Production	6-3/4"	4-1/2"	10.5#	1233.71	"A"	151	

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	1137-1140/1086-1088/829-831/848-851/992-993	400gal 15% HCL w/ 27 bbls 2% kcl water, 339bbls water w/ 2% KCL, Biocide 6600# 20/40 sand	1137-1140/1086-1088
4	753-757/766-771		
		400gal 15% HCL w/ 36 bbls 2% kcl water, 408bbls water w/ 2% KCL, Biocide 6200# 20/40 sand	829-831/848-851
			992-993
		400gal 15% HCL w/ 52 bbls 2% kcl water, 496bbls water w/ 2% KCL, Biocide 13000# 20/40 sand	753-757/766-771

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1155	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr. 3/29/06	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	13.4mcf	75.2bbls		

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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 WICHITA, KS

L S Well Service, LLC #33374  
543A 22000 Road  
Cherryvale, Kansas 67335  
620-328-4433

Drill Log

Quest Cherokee, LLC

Carolyn Hardin #23-3  
S23, T28, R17  
Neosho Co, KS  
API#133-26467-0000

0-1 DIRT  
1-11' LIME  
11-147' SHALE  
147-150 LIME  
150-165 SANDY SHALE  
165-180 SAND  
180-218 SHALE  
218-219 COAL  
219-255 SHALE  
255-319 LIME  
319-325 BLACK SHALE  
325-329 LIME  
329-345 SAND  
345-369 SANDY SHALE  
369-379 LIME  
379-384 SHALE  
384-398 LIME  
398-403 BLACK SHALE  
403-448 LIME  
448-517 SHALE  
517-530 LIME SHALE  
530-548 SHALE LIME  
548-568 LIME  
568-573 SAND  
573-606 SANDY SHALE  
606-611 SAND  
611-649 SANDY SHALE  
649-652 LIME  
652-653 COAL LESS THAN 10"  
653-658 SHALE  
658-687 LIME  
687-722 SHALE  
722-748 LIME OSWEGO  
748-750 SHALE  
750-753 BLACK SHALE  
753-756 SHALE  
756-763 LIME  
763-766 SHALE  
766-767 COAL LESS THAN 6"  
767-826 SANDY SHALE  
826-844 SHALE  
844-846 LIME  
846-847 COAL TRACE  
847-962 SANDY SHALE  
962-972 SAND  
972-982 SANDY SHALE  
982-989 SAND

**2-2-06 Drilled 11" hole and set  
23.7' of 8 5/8" surface casing  
Set with 5 sacks Portland cement**

**2-3-06 Started drilling 6 3/4" hole**

**2-3-06 Finished drilling to  
T.D. 1238'**

WATER @ 335'

335' 0"

611' 10" ON 1/2" ORIFICE

53.9 MCF 661' 74" ON 1/2" ORIFICE

44 MCF 711' 3" ON 1" ORIFICE

761' 1" ON 1" ORIFICE

66 MCF 786' 22" ON 3/4" ORIFICE

861' 22" ON 3/4" ORIFICE

987' 16" ON 3/4" ORIFICE

1012' 15" ON 3/4" ORIFICE

1238' 14" ON 3/4" ORIFICE

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Quest Cherokee, LLC

Carolyn Hardin #23-3  
S23, T28,R17  
Neosho Co, KS  
API#133-26467-0000

989-990 COAL LESS THAN 8"  
990-1072 SHALE  
1072-1080 LAMINATED SAND  
1080-1134 SANDY SHALE  
1134-1135 COAL  
1135-1141 SHALE  
1141-1238 LIME MISSISSIPPI OIL & ODOR

**T.D. 1238'**

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CONSERVATION DIVISION  
WICHITA, KS

# QUEST

Resource Corporation



DATE: 2/3/2006

## Data from Driller's Log, L&S Well Service Rig #1

WELL NAME:	Hardin, Caroline M.	SECTION:	23	REPORT #:	1	SPUD DATE:	2/2/2006
WELL #:	23-3	TWP:	28S	DEPTH:	1238'		
FIELD:	Cherokee Basin CBM	RANGE:	17E	PBTD:			
COUNTY:	Neosho	ELEVATION:	1055'	FOOTAGE:	660 FT FROM	South	LINE
STATE:	Kansas	API #:	15-133-26467-00-00		660 FT FROM	East	LINE

### ACTIVITY DESCRIPTION:

L&S Well Service, Bart Lorenz, drilled to T.D. 1238'

GAS SHOWS:	CUMULATIVE GAS:	COMMENTS:
Mulberry Coal	54 mcf/day @	652-653 FT. Coal <10" thick; 34 mcf/day from the Mulberry Coal*
Lexington Shale	45 mcf/day @	Absent FT.
Summit Shale	26 mcf/day @	750-753 FT.
Mulky Shale & Coal	67 mcf/day @	766-767 FT. Coal <6" thick; 13 mcf/day from the Mulky Shale and Coal
Bevier Coal	67 mcf/day @	Absent FT.
Croweburg Coal & Shale	67 mcf/day @	846-847 FT. Trace Coal
Fleming Coal	67 mcf/day @	Absent FT.
Weir Coal	67 mcf/day @	Absent FT.
Bartlesville Sand	57 mcf/day @	962-972 FT.
Rowe Coal	57 mcf/day @	989-990 FT. Coal <8" thick
Neutral Coal	55 mcf/day @	Absent FT.
Riverton Coal	55 mcf/day @	1134-1135 FT.
Mississippian	53 mcf/day @	Top @ 1141' FT. Oil odor

Total Depth @ 1238'

Surface Casing Size: 23"7"

On Site Representative: Julie Shaffer

### OTHER COMMENTS:

Information in this report was taken directly from the Drillers hand written notes. All depths and orifice checks reflect what the driller recorded during drilling activities.

\*20 mcf/day from up hole, Gas Check at 611'

### CASING RECOMMENDATIONS:

End of Drilling Report

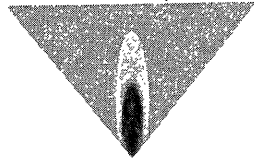
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WICHITA, KS

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Resource Corporation



211 W. 14TH STREET,  
CHANUTE, KS 66720  
620-431-9500

TICKET NUMBER **1414**

FIELD TICKET REF # \_\_\_\_\_

FOREMAN Dwayne

## TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2/10/06	Hardin Carolyn M 23-3	23	28 S	17 E	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Dwayne	7:15	2:30	NO	901640		hr	<i>[Signature]</i>
Tim	7:00	2:30	NO	903255		hr	<i>[Signature]</i>
Russell	07:00	2:30	NO	903206		hr	<i>[Signature]</i>
Leon	7:00	2:30	NO	931500		hr	<i>[Signature]</i>
Maverick	7:00	2:30	NO	903139	903804	7.5 hr	<i>[Signature]</i>
Wes	7:00	2:30	NO	903296	932452	7.5 hr	<i>[Signature]</i>

JOB TYPE Long String HOLE SIZE G 3/4 HOLE DEPTH 1238' CASING SIZE & WEIGHT 4 1/2 10.5 #  
 CASING DEPTH 1233.71 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 19.69 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS:

Wash Down of casing then sweep hole with 2 sacks of prem gel. Then install cement head and pump 1 SK Prem gel followed by a 5 BBL pad then 14 BBL dye marker and start cement pump SK cement to get dye back stop and wash out pump then pump wiper plug to bottom and set float shoe

	1233.71 Ft	4 1/2 Casing	
	5	centralizers	
	1	4 1/2 Float Shoe	
903139	7.5 hr	Casing TRactor	
903804	7.5 hr	Casing TRailer	

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
901640	7.25 hr	Foreman Pickup	
903255	7.5 hr	Cement Pump Truck	
903206	7.5 hr	Bulk Truck	
1104	151 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement	
1126	1	OWC - Blend Cement	
1110	10 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	3 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate	
1123	7000 gal	City Water	
903296	7.5 hr	Transport Truck	
932452	7.5 hr	Transport Trailer	
931500	7.5 hr	80 Vac	

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