

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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: Jennifer R. Ammann  
 Phone: (620) 431-9500  
 Contractor: Name: L S Well Service  
 License: 33374  
 Wellsite Geologist: Ken Recoy  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SIOW     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>4/24/06</u>	<u>4/25/06</u>	<u>5/28/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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 WICHITA, KS

API No. 15 - 205-26548-0000  
 County: Wilson  
 \_\_\_\_\_ ne \_\_\_\_\_ se Sec. 31 Twp. 28 S. R. 16  East  West  
2478 feet from  N (circle one) Line of Section  
345 feet from  W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE  SE  NW  SW  
 Lease Name: Nunnenkamp, Kurtis A. Well #: 31-1  
 Field Name: Cherokee Basin CBM  
 Producing Formation: Multiple  
 Elevation: Ground: 880 Kelly Bushing: n/a  
 Total Depth: 1212 Plug Back Total Depth: 1203.93  
 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 1203.9\*3  
 feet depth to surface w/ 125 sx cmt.  
**Alt 2 - Dig - 11-24-08**

**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: Jennifer R. Ammann  
 Title: New Well Development Coordinator Date: 8/21/06  
 Subscribed and sworn to before me this 21<sup>st</sup> day of August  
20 06.  
 Notary Public: Dorva Klauman  
 Date Commission Expires: 8/04/2010

**TERRA KLAUMAN**  
 Notary Public - State of Kansas  
 My Appt. Expires 8-04-2010

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

ORIGINAL

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: Nunnenkamp, Kurtis A. Well #: 31-1
Sec. 31 Twp. 28 S. R. 16 [x] East [ ] West County: Wilson

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 [ ] Yes [x] No
Samples Sent to Geological Survey [ ] Yes [x] No
Cores Taken [ ] Yes [x] No
Electric Log Run [x] Yes [ ] No
List All E. Logs Run:
Comp. Density Neutron Log
Gamma Ray CCL
Dual Induction Log

CASING RECORD Table with columns: 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. Rows for Surface and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: 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.

TUBING RECORD Table with columns: Size, Set At, Packer At, Liner Run [ ] Yes [x] No.

Date of First, Resumerd Production, SWD or Enh. 6/26/06 Producing Method [ ] Flowing [x] Pumping [ ] Gas Lift [ ] Other (Explain)

Estimated Production Per 24 Hours Table with columns: Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

Disposition of Gas METHOD OF COMPLETION Production Interval
[ ] Vented [x] Sold [ ] Used on Lease [ ] Open Hole [x] Perf. [ ] Dually Comp. [ ] Commingled
[ ] Other (Specify)

L S WELL SERVICE, LLC  
#33374  
543A 22000 ROAD  
CHERRYVALE, KS 67335

DRILLER LOG

Quest Cherokee, LLC

Nunnencamp 31-1  
API: 15-205-26548-0000  
Sec 31, Twp 28, R 16  
Wilson County, Ks

0-8 CLAY  
8-70' SHALE  
70-80 LIME  
80-95 SANDY SHALE  
95-205 SAND  
205-210 SANDY SHALE  
210-254 LIME  
254-256 SHALE  
256-288 LIME  
288-290 SHALE  
290-293 LIME  
293-340 SAND  
340-353 LIME  
353-358 SHALE  
358-433 LIME  
433-485 SHALE  
485-509 SANDY SHALE  
509-519 LIME  
519-533 LIME / SHALE  
533-546 SAND  
546-618 SANDY SHALE  
618-620 LIME  
620-621 COAL  
621-626 SANDY SHALE  
626-646 LIME / SHALE  
646-661 SHALE  
661-683 SAND  
683-704 LIME OSWEGO  
704-710 SHALE  
710-720 LIME  
720-721 COAL  
721-803 SANDY SHALE  
803-806 LIME  
806-807 COAL  
807-811 SANDY SHALE  
811-821 SAND  
821-877 SANDY SHALE  
877-890 SAND ODOR  
890-907 SANDY SHALE  
907-908 COAL  
908-977 SANDY SHALE  
977-1097 SAND  
1097-1110 SHALE  
1110-1212 LIME MISSISSIPPI

17 MCF

63 MCF

73 MCF

4-24-06 Drilled 11" hole and set 21.6' of  
8 5/8" surface casing with 5 sacks Portland  
cement

4-25-06 Started drilling 6 3/4" hole

4-25-06 Finished drilling to T.D 1212'

WATER @ 110'  
LOTS OF WATER @ 250'

235' SLIGHT BLOW  
485' 8" ON 1/2" ORIFICE  
636' 16" ON 1/2" ORIFICE  
661' 45" ON 1/2" ORIFICE  
711' 53" ON 1/2" ORIFICE  
736' 26" ON 1/2" ORIFICE  
811' 26" ON 1/2" ORIFICE  
887' 100" ON 1/2" ORIFICE  
912' 8" ON 1" ORIFICE  
1062' 8" ON 1" ORIFICE  
1112' 8" ON 1" ORIFICE  
1212' 1" ON 1" ORIFICE

T.D. 1212'

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WICHITA, KS

# QUEST

Resource Corporation

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

TICKET NUMBER 1633

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

FOREMAN Joe

### TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-28-06	NUNNENKAMP Kuttis 31-1	31	28	16	WL

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	7:00	12:30		903388		5.5	<i>Joe B</i>
Tim A	6:30			903255		6	<i>T.A.</i>
Russell A	7:00			903103		5.5	<i>R.A.</i>
DAVID C	7:00			903139	932452	5.5	<i>David C</i>
Jerry H	6:15			903286		6.25	<i>J.H.</i>
MAVERICK D	7:00			extra		5.5	<i>M.D.</i>

JOB TYPE Lowstring HOLE SIZE 6 3/4 HOLE DEPTH 1212 CASING SIZE & WEIGHT 4 1/2" 10.5  
 CASING DEPTH 1203.93 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 19.20 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS:

Ran 2 SKS prem gel sweep to surface. Installed cement head Ran 2 SKS gel & 13 bbl dye & 144 SKS of cement to get dye to surface. Flush pump. Pump wiper plug to bottom of set float shoe.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	1203.93	FT 4 1/2" casing	
	5	centralizers	
931300	3 hr	Casing tractor	
@ 607243	3 hr	Casing trailer	
903388	5.5 hr	Foreman Pickup	
903255	6 hr	Cement Pump Truck	
903103	5.5 hr	Bulk Truck	
1104	125 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement - Baffles 3 1/2" x 3"	
1126	1 SK	OWC Blend Cement 4 1/2" wiper plug	
1110	14 SK	Gilsonite	
1107	1.5 SK	Flo-Seat	
1118	4 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate Calchloride	
1123	7000 gal	City Water	
903139	5.5 hr	Transport Truck	
932452	5.5 hr	Transport Trailer	
903286	6.25 hr	80 Vac	
Ravin 4513	1	4 1/2 Floatshoe	