

ORIGINAL

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 33344
Name: Quest Cherokee, LLC
Address: P.O. Box 707
City/State/Zip: Howard, KS 67349
Purchaser: Bluestem Pipeline, LLC
Operator Contact Person: E. Wayne Willhite
Phone: (620) 374-2133
Contractor: Name: James D. Lorenz
License: 9313
Wellsite Geologist: Michael Ebers

RECEIVED

AUG 18 2004

KCC WICHITA

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.

8/1/03 8/6/03 10/29/03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 -26608-00- 15.019.26608000
County: Chautauqua
SW 4 Sec. 17 Twp. 33 S. R. 13 East West
1320 feet from S N (circle one) Line of Section
1320 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Aiken-Kline Well #: 17-1

Field Name: Hale-Sedan

Producing Formation: South Mound Shale

Elevation: Ground: 967' Kelly Bushing:

Total Depth: 1791' Plug Back Total Depth: 1751.8

Amount of Surface Pipe Set and Cemented at 40' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Feet

If Alternate II completion, cement circulated from surface

feet depth to 1749 w/ 110 sx cmt.

Drilling Fluid Management Plan ALTI WITH
(Data must be collected from the Reserve Pit) 7-24-07

Chloride content ppm Fluid volume bbls

Dewatering method used Compressed air with injected water

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: E. Wayne Willhite

Title: Dist. Mgr. Date: 8-16-04

Subscribed and sworn to before me this 16th day of August

20 04

Notary Public: John P. Black

Date Commission Expires: 3/26/05

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

JOHN P. BLACK
Notary Public - State of Kansas
My Appt. Expires 3/26/05

Operator Name: Quest Cherokee, LLC Lease Name: Aiken-Kline Well #: 17-1  
 Sec. 17 Twp. 33 S. R. 13  East  West County: Chautauqua

**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 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Gamma Ray, Neutron, Induction, Temperature, &amp; Density. Cased hole logs &amp; cement bond log.</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>South Mound Shale</td> <td>901</td> <td></td> </tr> <tr> <td>Holdenville Shale</td> <td>972</td> <td></td> </tr> <tr> <td>Lexington Shale</td> <td>1237</td> <td></td> </tr> <tr> <td>Summit Shale</td> <td>1338</td> <td></td> </tr> <tr> <td>Mulky Shale &amp; Coal</td> <td>1364</td> <td></td> </tr> <tr> <td>Croweburg Coal &amp; Shale</td> <td>1409</td> <td></td> </tr> <tr> <td>Riverton Coal</td> <td>1707</td> <td></td> </tr> </table> <div style="text-align: right; font-size: 1.2em; font-weight: bold; margin-top: 20px;">                 RECEIVED                  AUG 18 2004                  KCC WICHITA             </div>	Name	Top	Datum	South Mound Shale	901		Holdenville Shale	972		Lexington Shale	1237		Summit Shale	1338		Mulky Shale & Coal	1364		Croweburg Coal & Shale	1409		Riverton Coal	1707	
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CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/4"	8 5/8		40'	Portland	8	
Production	6 3/4"	4 1/2	11.6#	1815.75	Thickset	110	Poly Flake & Kol Seal

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
33 shots	909'-917'		
	Acid Breakdown on Miss after open hole clean out	1000gl 15%FE, 10gl iron sequestrng, 2 gl inhibitor, 2 gl surfactant	
	Acid Breakdown on South Mound formation	40bbls 1% KCL, 500gl acid	
	Sand Frac-South Mound	6500# 16/30 Frac Sand	

TUBING RECORD		Size <u>New 2 3/8</u>	Set At <u>968.60</u>	Packer At <u>973.55</u>	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>5/3/04</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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		<u>5 mcfpd</u>	<u>170bbldpd</u>		

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 909'-917'

# BLUE STAR ACID SERVICE, INC.

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**No. 4803**

Date <b>8-8-03</b>	Customer Order No.	Sect.	Twp.	Range	Truck Called Out	On Location <b>3.00 pm</b>	Job Began pm <b>4.00</b>	Job Completed pm <b>6.00</b>
Owner <b>Quest Energy</b>		Contractor <b>CO TOOLS</b>			Charge To <b>Quest Energy</b>			
Mailing Address <b>P.O. Box 707</b>		City <b>HOWARD</b>			State <b>KANSAS 67349</b>			
Well No. & Form <b>Atkins 17-1</b>		Place		County <b>CHAUTAUQUA</b>		State <b>KANSAS</b>		
Depth of Well <b>1790</b>	Depth of Job <b>1753</b>	Casing <input checked="" type="checkbox"/> New <input type="checkbox"/> Used	Size <b>4 1/2</b>	Weight <b>11.6</b>	Size of Hole Amt. and Kind of Cement	Cement Left in casing by	Request Necessity <b>5</b>	feet
Kind of Job <b>hang string Basket shoe at 1753'</b>					Drillpipe	Rotary Cable	Truck No. <b># 25</b>	

Price Reference No. **#1**

Price of Job **665.00**

Second Stage \_\_\_\_\_

Mileage **50** **112.50**

Other Charges \_\_\_\_\_

Total Charges **777.50**

Remarks **Safety meeting, Rig up to 4 1/2 casing, break circulation w/ 15 bbl water. PIPE TALLY 1753' ~~200~~ D.C.P. Ball set Basket shoe at 1000' Pump 20 Bbl water Mix 300# Gel, 10 Bbl water, 5 Bbl calciz water, 2 Bbl Fresh, 10 Bbl metasilicate water, 15 Bbl DYE water, Mix 100 SKs 50/50 4% Gel at 12.3 lbs TAIL IN w/ 110 SKs Thickset w/ 4# KOL SEAL 1/8 PolyFLAKE at 13.3 lb per/gallon. Shut Down, wash out Pump line, Release Plug Displace w/ 27 Bbl water. Final Pump PSI w/ 700# stop Plug 5' above Basket shoe at 1749 w/ wire line close casing in at 500 PSI. Good Cement Returns TEARDOWN.**

Cementor **Russell McCoy** District **EUREKA** State **KANSAS**

Helper **Troy - Steve - Jason**

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

**Thank you** **called by WAYNE**  
Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
110	SKs Thickset Cement	10.75	1182.50
440#	Kol Seal 4# Per/SK	.30	132.00
14#	Poly FLAKE 1/8 lb Per/SK	1.00	14.00
100	SKs 50/50 Pozmix w/ 4% Gel	6.75	675.00
300#	Gel (For Gel Flush Ahead)	9.50	28.50
80#	calciz mix w/ 5 Bbl water (Pre Flush)	.35	28.00
100#	Metasilicate mixed w/ 10 Bbl water	1.00	100.00
5	4 1/2 x 6 3/4 Centralizers	26.00	130.00
1	4 1/2 TYPE B BASKET SHOE	800.00	800.00
1	4 1/2 TOP Rubber Plug	40.00	40.00
<b>RECEIVED</b>			
<b>AUG 18 2004</b>			
Plugs	210 SKs Handling & Dumping	50	105.00
	KCC WICHITA 10.25 TN Mileage 50	.80	410.00
	Sub Total		4422.50
	Delivered by # 3 + 16 Truck No.	Discount	
	Delivered from EUREKA	Sales Tax	6.3%
	Signature of operator <b>Russell McCoy</b>	Total	4718.62
			4701.12 ✓

James D. Lorenz KCC Lic. #  
 9313  
 543A 22000 Road  
 Cherryvale, Kansas  
 67225 9515

**APPROVE & PAY**

*JDP*

**Invoice**

DATE	INVOICE NO.
8/7/2003	331

CUSTOMER	LEASE NAME
QUEST ENERGY, INC 308 Main St. Benedict, Ks. 66714	AIKEN-KLINE # 17-1 S 17 T 33 R 13 CHAUQUA CO., KS API 15-019-26608-00-00 "Drilling well"

FID 48-1206831

DESCRIPTION	QTY	RATE	AMOUNT
08-01-03 Drill rig transfered to well site. Drilled 11 1/4" hole to 48', Set 48' of 8 5/8" casing with 8 sacks Portland cement.			0.00
48' of 8 5/8" used casing	48	7.50	360.00
8 sacks of Portland cement	8	10.00	80.00
8-04-03 Drilled 6 3/4" hole to 1089'	1,791	6.50	11,641.50
8-05-03 Drilled from 1089' to 1465'			
8-06-03 Drilled from 1465' to 1791' T. D.			
8-05-03 2 hrs rig time for slow drilling due to handling extra water	2	250.00	500.00
8-06-03 2 hrs rig time for slow drilling due to taking on extra water	2	250.00	500.00

*pd ok 4512  
10-3-03*

**RECEIVED**  
**AUG 18 2004**  
**KCC WICHITA**

*Copy our well file please*

*W*

We appreciate your business.

**Total** 13,081.50 ✓

James D. Lorenz KCC Lic. #  
 9313  
 543A 22000 Road  
 Cherryvale, Kansas  
 67225 0515

*Fixed to Pam  
 8-25-03*

# Invoice

DATE	INVOICE NO.
8/8/2003	332

CUSTOMER	LEASE NAME
QUEST ENERGY, INC 308 Main St. Benedict, Ks. 66714	AIKEN-KLINE # 17-01  Production casing & running

**APPROVE & PAY**

FID 48-1206831
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DESCRIPTION	QTY	RATE	AMOUNT
1815.75' (threads on) of 4 1/2" 11.6#, Range 3, Drifted & Tested	1,815.8	2.50	4,539.50
1 hour loading pipe with backhoe 2 men	1	65.00	65.00
5 hours trucking pipe	5	75.00	375.00

\* Please replace Invoice #332 with this corrected - I didn't understand it was delivered to be ran by your pulling unit - This has been corrected in our system.

Wayne

We appreciate your business.

RECEIVED  
 AUG 18 2004  
 KCC WICHITA

**Total** 4,979.50