

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: 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: Barton T. Lorenz  
License: 33286

Wellsite Geologist: n/a  
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. \_\_\_\_\_

9/08/04 9/09/04 9/14/04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 099-23605-00-00  
County: Labette  
N2 S2 - ne - ne Sec. 3 Twp. 31 S. R. 18 ☒ East ☐ West  
800 feet from S / (N (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: Markley, Howard A. Well #: 3-1

Field Name: Cherokee Basin CBM

Producing Formation: Summit/Mulky

Elevation: Ground: 952 Kelly Bushing: n/a

Total Depth: 1049 Plug Back Total Depth: 1045

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 1045

feet depth to Surface w/ 130 sx cmt.

Alt II WTM 8-22-06

**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: 4/11/06

Subscribed and sworn to before me this 11th day of April

2006

Notary Public: [Signature]

Date Commission Expires: July 30, 2009

**KCC Office Use ONLY**

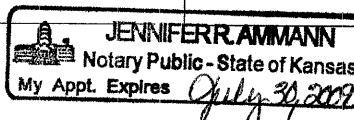
N Letter of Confidentiality Received

If Denied, Yes ☐ Date: \_\_\_\_\_

\_\_\_\_\_ Wireline Log Received

\_\_\_\_\_ Geologist Report Received

\_\_\_\_\_ UIC Distribution



Operator Name: Quest Cherokee, LLC Lease Name: Markley, Howard A. Well #: 3-1  
 Sec. 3 Twp. 31 S. R. 18 ☒ East ☐ West County: Labette

**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 ☒ No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No  
 (Submit Copy)

List All E. Logs Run:

Comp. Density/Neutron Log  
 Dual Induction Log  
 Gamma Ray/Neutron Log

☒ Log Formation (Top), Depth and Datum ☐ Sample  
 Name Top Datum  
 See attached

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 CONSERVATION DIVISION  
 WICHITA, KS

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#	21.6'	"A"	6	
Production	6-3/4"	4-1/2"	10.5#	1045	"A"	130	

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 (Amount and Kind of Material Used)	Depth
4	549-552/564-568	377 bbls H2O, 20# HEC, 2% KCL, Biocide, Max flo, 16400# 20/40 brady sand	564-568/549-552

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	808.03'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
1/26/05		<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	23.9 mcf	21 bbls		

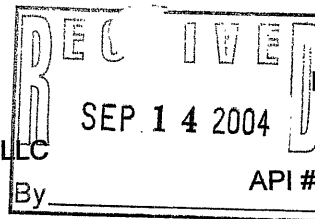
Disposition of Gas ☐ Vented ☒ Sold ☐ Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

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

BARTON T. LORENZ #33286  
543-A 22000 Rd.  
Cherryvale, KS 67335  
620-328-4433

DRILLER LOG  
QUEST CHEROKEE, LLC



Howard Markley #3-1  
S3, T30, R18E  
Labette County  
API # 15-099-23605-00-00

0-10	DIRT
10-46'	LIME
46-66	SAND
66-95	SHALE
95-109	SAND
109-147	LIME
147-207	SHALE
207-209	LIME
209-241	SHALE
241-250	LIME
250-274	SHALE
274-293	LIME
293-308	SHALE
308-320	LIME
320-325	SHALE
325-331	LIME
331-333	SHALE
333-338	SAND
338-357	SHALE
357-382	SANDY SHALE
382-445	SHALE
445-469	LIME
469-473	SHALE
473-475	BLACK SHALE
475-478	SHALE
478-479	COAL LESS THAN 6"
479-518	SHALE
518-542	LIME OSWEGO
542-545	SHALE
545-547	BLACK SHALE
547-550	SHALE
550-560	LIME
560-562	BLACK SHALE
562-563	COAL LESS THAN 6"
563-565	SHALE
565-568	LIME
568-572	SAND
572-635	SHALE
635-636	COAL LESS THAN 6"
636-639	SHALE
639-645	SAND
645-657	SHALE
657-659	LIME
659-660	SHALE
660-661	COAL THIN
661-671	SAND
671-680	SHALE

**9-8-04 Drilled 11" hole and  
Set 21.6' of 8 5/8" Surface pipe  
Set with 6 sacks of Portland Cement**

**9-9-04 Started drilling 6 3/4" hole**

**9-9-04 Finished drilling to T.D. 1049'**

**WATER @ 570'**

385' 0" SLIGHT BLOW  
485' 0" SLIGHT BLOW  
555' 12" ON 1/2" ORIFICE  
570' 8" ON 1/2" ORIFICE  
636' 3" ON 1/2" ORIFICE  
661' 1" ON 1/2" ORIFICE  
711' 1" ON 1/2" ORIFICE  
786' 1" ON 1/2" ORIFICE  
932' 0"  
968' 0"  
1049' 13" ON 1/2" ORIFICE

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BARTON T. LORENZ #33286  
543-A 22000 Rd.  
Cherryvale, KS 67335  
620-328-4433

DRILLER LOG  
QUEST CHEROKEE, LLC

Howard Markley #3-1  
S3, T30, R18E  
Labette County  
API # 15-099-23605-00-00

680-701	SHALE / LIME
701-702	COAL LESS THAN 8"
702-723	SHALE
723-731	SANDY SHALE
731-736	SAND
736-778	SHALE
778-782	SAND
782-826	SHALE
826-836	SAND
836-851	SHALE
851-910	SANDY SHALE
910-920	LAMINATED SAND
920-928	SHALE
928-929	COAL
929-965	SHALE
965-966	COAL
966-971	SHALE
971-990	SAND
990-999	SHALE
999-1049	LIME MISSISSIPPI

T.D. 1049'

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WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, INC.  
211 W. 14TH STREET, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

TICKET NUMBER 2163  
LOCATION Eureka  
FOREMAN Brad Butler

### TREATMENT REPORT & FIELD TICKET CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																				
9-14-04	10628	Markley 3-1	3	31	18	Labette																				
CUSTOMER <u>Quest Cherokee LLC</u>			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> <tr> <td>446</td> <td>Rick</td> <td></td> <td></td> </tr> <tr> <td>442</td> <td>Anthony</td> <td></td> <td></td> </tr> <tr> <td>437</td> <td>Alan</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Tim</td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	446	Rick			442	Anthony			437	Alan				Tim		
TRUCK #	DRIVER	TRUCK #					DRIVER																			
446	Rick																									
442	Anthony																									
437	Alan																									
	Tim																									
MAILING ADDRESS <u>P.O. Box 100</u>																										
CITY <u>Benedict</u>	STATE <u>Ks.</u>	ZIP CODE <u>66714</u>																								
Team Well Serv.																										

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1048' CASING SIZE & WEIGHT 4 1/2" x 10.5  
CASING DEPTH 1045' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 13 1/2 lbs. SLURRY VOL 35 Bbl. WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0'  
DISPLACEMENT 16 1/2 Bbl. DISPLACEMENT PSI 500 PSI 1200 Landed Plug RATE 3 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with water, Pumped 10 Bbl. Gel Flush  
Circulate Gel around To Surface To condition Hole. Pumped 15 GAL. Sodium Silicate, 7 Bbl. Dye water  
Mixed 130 SKS. OWC with Gilsonite 5# P<sup>4</sup>/SK and 1/4 lb P<sup>4</sup>/SK of Flocele at 13 1/2 lbs P<sup>4</sup>/GAL (yield 1.51)  
Washout pump & lines, Shut down - Release Plug - Displace Plug 16 1/2 Bbls KCL water.  
Final pumping at 500 PSI - Bumped Plug to 1200 PSI - wait 2 minutes - Release Pressure  
Float Held - close casing in with OPST

Good cement Returns To Surface with 8 Bbl. slurry  
Job complete - Tear down

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"Thank you"

CONSERVATION DIVISION  
WICHITA, KS

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE 2 <sup>nd</sup> of 2	710.00	639.00
5406	0	MILEAGE		N/C
1126	130 SKS.	OWC (6% CAL SEAL, 2% Gel, 2% CACL <sub>2</sub> )	11.85	1540.50
1110	13 SKS.	Gilsonite 5# P <sup>4</sup> /SK	20.35	264.55
1107	1 1/2 SKS.	Flocele 1/4# P <sup>4</sup> /SK	40.00	60.00
1118	2 SKS.	Gel Flush	12.40	24.80
111B.10	15 GAL.	Sodium Silicate	10.50	157.50
1215	2 GAL.	KCL (Displacement water)	23.10	46.20
5502 C	4 Hrs.	80 Bbl. VAC Truck	78.00	312.00
5501 C	3 Hrs.	Transport - water	84.00	252.00
1123	6720 GAL.	City water	11.50 P <sup>4</sup> /1000	77.28
5407	7.15 Tons	Ton Mileage	N/C	225.00
4453	1	4 1/2" Latch down Plug <Furnished by Quest>		N/C
				139.16
		6.5%	SALES TAX	<del>11.70</del>
			ESTIMATED TOTAL	3739.93

AUTHORIZATION Called by Gary

TITLE \_\_\_\_\_

DATE 3737.99