

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: Gary Laswell  
Phone: (620) 431-9500  
Contractor: Name: MOKAT  
License: 5831  
Wellsite Geologist: Ken Recoy

API No. 15 - 133-26437-00-00  
County: Neosho  
- ne - sw Sec. 19 Twp. 28 S. R. 18  East  West  
1980 feet from (S) N (circle one) Line of Section  
1980 feet from E / (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Umberger, Phillip W. Well #: 19-1  
Field Name: Cherokee Basin CBM

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Add  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Producing Formation: Multiple  
Elevation: Ground: 955 Kelly Bushing: n/a  
Total Depth: 1138 Plug Back Total Depth: 1133.68  
Amount of Surface Pipe Set and Cemented at 23.83 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1133.68  
feet depth to surface w/ 145 sx cmt.  
ALT II WITH 6-20-06

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>2/14/06</u>	<u>2/15/06</u>	<u>2/27/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**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.: \_\_\_\_\_

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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: 6/13/06  
Subscribed and sworn to before me this 13<sup>th</sup> day of June,  
20 06.  
Notary Public: Jennifer R. Ammann  
Date Commission Expires: July 30, 2009

**KCC Office Use ONLY**  
NO Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
YES Wireline Log Received  
YES Geologist Report Received  
\_\_\_\_ UIC Distribution

JENNIFER R. AMMANN  
Notary Public - State of Kansas  
My Appt. Expires 7-30-09



Operator Name: Quest Cherokee, LLC Lease Name: Umbarger, Phillip W. Well #: 19-1  
 Sec. 19 Twp. 28 S. R. 18  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  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:

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See Attached

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

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	12-1/4"	8-5/8"	20#	23.83	"A"	4	
Production	6-3/4"	4-1/2"	10.5#	1133.68	"A"	145	

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
4	1042-1046/713-715/734-737/770-772/634-638/646-651	338bbbls water w/ 2% KCL, Biocide 5500# 20/40 sand	1042-1046
		400gal 15% HCL w/ 42 bbbls 2% kcl water, 387bbbls water w/ 2% KCL, Biocide 9200# 20/40 sand	713-715/734-737
			770-772
		400gal 15% HCL w/ 40 bbbls 2% kcl water, 467bbbls water w/ 2% KCL, Biocide 10200# 20/40 sand	634-638/646-651

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	1089	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
3/16/06			<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 Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity
	n/a	15.3mcf	113.2bbbls		

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

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

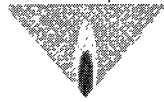
Production Interval \_\_\_\_\_

Mokat Drilling		Driller's Log	Umbarger, Phillip W. 19-1
0	8	Overburden	
8	15	Brown Sand	
15	66	Sandy Shale	
66	67	Coal	
67	92	Sandy Shale	
92	129	Shale	
129	134	Lime	
134	137	Shale	
137	205	Lime	
205	209	Coal	
209	246	Shale	
246	257	Lime	
257	263	Black Shale	
263	274	Lime	
274	285	Black Shale (Water)	
285	335	Lime	
335	401	Shale	
401	415	Lime	
415	434	Shale	
434	444	Lime	
444	513	Shale	
513	519	Lime	
519	524	Shale	
524	565	Lime	
565	582	Shale	
582	584	Coal	
584	610	Shale	
610	616	Lime (Oswego)	
612		Gas Test (No gas)	
616	617	Coal/Black Shale	
617	630	Lime	
630	639	Black Shale/Coal	
637		Gas Test (Light Blow 1/8")	
639	649	Lime	
649	653	Black Shale?	
653	658	Lime	
658	690	Sandy Shale	
662		Gas Test (1# 1/8)	
690	900	Shale	
812		Gas Test (same)	
900	920	Sand (Water)	
888		Gas Test (Same)	
920	968	Shale	
968	973	Black Shale	
973	983	Shale	
983	986	Coal (Rowe)	
986	987	Shale	
987	988	Coal (Neutral)	
988	1042	Shale	
1042	1047	Coal (Riverton)	
1047	1055	Shale	
1055	1138	Lime (Mississippi)	
		T.D. 1138	
End of Drilling Report			

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# QUEST

Resource Corporation



DATE: 02/15/2006

### Data from Driller's Log

**MOKAT Drilling Rig #2.**

<b>WELL NAME:</b> Umbarger, Pt	<b>SECTION:</b> 19	<b>REPORT #:</b>	<b>SPUD DATE:</b> 2/14/2006
<b>WELL #:</b> 19-1	<b>TWP:</b> 28S	<b>DEPTH:</b> 1138	
<b>FIELD:</b> Cherokee Bas	<b>RANGE:</b> 18E	<b>PBTD:</b>	
<b>COUNTY:</b> Neosho	<b>ELEVATION:</b> 955	<b>FOOTAGE</b> 1980	<b>FT FROM</b> South <b>LINE</b>
<b>STATE:</b> Kansas	<b>API #:</b> 15-133-26437-00-00	1980	<b>FT FROM</b> West <b>LINE</b>
NE SW			

**ACTIVITY DESCRIPTION:**

MOKAT Drilling, Tootie Smith drilled to TD 1138 ft. on 02/15/2006.

GAS SHOWS:	Cumulative Gas	Net Gas / Comments
Mulberry Coal	0 mcf/day @ 519-524 FT.	
Lexington Shale & Coal	0 mcf/day @ 582-584 FT.	Gas Test at 612 ft. No Gas.
Summit Shale & Coal	0 mcf/day @ 616-617 FT.	
Mulky Shale & Coal	0 mcf/day @ 630-639 FT.	Light blow. Gas Test at 637 ft. 1/8 choke.
Bevier Coal	3 mcf/day @ 649-653 FT.	3 mcf/day from this area. Gas Test at 662 ft. Water.
Verdigris Limestone	3 mcf/day @ FT *	
Croweburg Shale & Coal	3 mcf/day @ FT. *	
Fleming Coal	3 mcf/day @ FT. *	GCS. Gas Test at 812 ft.
Weir Coal	3 mcf/day @ FT. *	
Bartlesville Sand	3 mcf/day @ FT. *	GCS. Gas Test at 888 ft. Water.
Rowe Coal	mcf/day @ 983-986 FT.	Per Driller - too much water to take Gas Tests.
Neutral Coal	mcf/day @ 987-988 FT.	Per Driller - too much water to take Gas Tests.
Riverton Coal	mcf/day @ 1042-1047 FT.	Per Driller - too much water to take Gas Tests.
Mississippi	mcf/day @ Top at 1055 FT.	Per Driller - too much water to take Gas Tests.

TD: 1138 ft.

\*Zone not identifiable from Driller's hand written notes. Rig problems & water prevented Driller from identifying zone.

Formation Tops and Casing Recommendation made without benefit of viewing open-hole logs first.

Surface Casing @ 23.83 ft.

Total Depth @ 1138 ft.

Surface Casing Size: 8 5/8"

**OTHER COMMENTS:** Information in this Report was taken directly from the Driller's hand written notes. All depths & orifice checks reflect what the driller recorded during drilling activities. Zones listed below are fyi only.

Pawnee Limestone 524-565

Oswego Limestone 610-616

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If the Zone above has no footages listed, the Zone was not identifiable from the Driller's hand written notes.

**CASING RECOMMENDATIONS:** Run casing / Cement to surface

End of Geologic / Drilling Report. Thank You!

On Site Representative: Ken Recoy, Senior Geologist, CPG #4630 (620) 305-9203 Cell. KRecoy@qrecp.net

# QUEST

Resource Corporation

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

TICKET NUMBER **1254**

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

FOREMAN Joe

### TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-27-06	Umberger Phillip 19-1	19	28	18	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	12:00	4:30		903388		2.5	<i>Joe B</i>
Tim A	20:00	4:30		903255		2.5	<i>Tim A</i>
Russell A	20:00	4:30		903206		2.5	<i>Russell A</i>
David C	20:00	4:30		903296	932452	2.5	<i>David C</i>
Leon H	20:00	4:30		931500		2.5	<i>Leon H</i>
Maverick D	20:00	4:30		extra		2.5	<i>Maverick D</i>

JOB TYPE log string HOLE SIZE 6 3/4 HOLE DEPTH 1138 CASING SIZE & WEIGHT 4 1/2 10 5#  
 CASING DEPTH 1133.68 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 18.08 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS:

ran 2 sks prem gel swept to surface. Installed cement head ran 2 sks prem gel followed by 12 bbl dye + 157 sks of cement to get dye to surface. Flush pump. Pumped plug to bottom + set float shoe.

	1133.68	ft 4 1/2 casing	
	5	centralizers	
	1	4 1/2 weld on collar	
903139	2 hr	Casing tractor	
930804	2 hr	Casing trailer	
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903388	2.5 hr	Foreman Pickup	
903255	2.5 hr	Cement Pump Truck	
903206	2.5 hr	Bulk Truck	
1104	145 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement Frac Baffles 3 1/2"	
1126	1	OWC - Blend Cement 4 1/2 wiper plug	
1110	16 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	4 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate Calc Chloride	
1123	0 gal 7000	City Water	
903296	2.5 hr	Transport Truck	
932452	2.5 hr	Transport Trailer	
931500	2.5 hr	80 Vac	
Ravin 4513	1	4 1/2 Float shoe	

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