12/22/08

KANSAS CORPORATION COMMISSION ORIGINAL
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: Jennifer R. Smith
Phone: (620) 431-9500
Contractor: Name: L&S
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. ____

5/23/08	5/28/08	5/30/08
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 099-24414-0000
County: Labette
NE - NE - NW - NE Sec. 23 Twp. 34 S. R. 18 ☑ East ☐ West
~~705~~ 5210 feet from (S) / N (circle one) Line of Section
1400 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Smith SWD Well #: 23-1
Field Name: Cherokee Basin CBM
Producing Formation: n/a
Elevation: Ground: 881 Kelly Bushing: n/a
Total Depth: 1584 Plug Back Total Depth: 1190.71
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from 1190.71
feet depth to surface w/ 180 sx cmt.
Alt 2 - Dlg - 1/30/09

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. Smith
Title: New Well Development Coordinator Date: 12/18/08
Subscribed and sworn to before me this 18th day of December,
20 08.
Notary Public: Denise V. Venneman
Date Commission Expires: DENISE V. VENNEMAN NOTARY PUBLIC OFFICIAL SEAL STATE OF KS MY COMMISSION EXPIRES July 1, 2012

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

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ORIGINAL

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: Smith SWD Well #: 23-1

Sec. 23 Twp. 34 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 (Attach Additional Sheets) ☐ Yes ☑ No

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run (Submit Copy) ☑ Yes ☐ No

List All E. Logs Run:

Compensated Density Neutron Log
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
See attached		

CASING RECORD ☐ New ☐ 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"	22	22	"A"	6	
Production	7-7/8	5-1/2	14.5	1190.71	"A"	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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
	n/a		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	1173	1173	☐ Yes ☐ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
waiting on pipeline	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

QUEST
Resource Corporation

DATE: 05/29/08

Geology Brief - Data taken from Driller's Log & Compensated Density Log — **L & S Drilling**

WELL NAME:	Smith SWD	**SECTION:**	23	**REPORT #:**		**SPUD DATE:**	5/23/2008		
WELL #:	23-1	**TWP:**	34S	**DEPTH:**	1548				
FIELD:	Cherokee Basin	**RANGE:**	18E	**PBTD:**					
COUNTY:	Labette	**ELEVATION:**	881	**FOOTAGE:**	5,210	**FT FROM**	South	**LINE**	
STATE:	Kansas	**API #:**	15-099-24414-0000		1,400	**FT FROM**	East	**LINE**	
							NE NE NW NE		

Housel

ACTIVITY DESCRIPTION:

L & S Drilling, Dustin Hirrlinger, drilled to TD 1548 ft. on Wednesday 5/28/08 at 4:00 p.m.

Surface Casing @ 22.0 ft. **This is a Salt Water Disposal Well.**

Surface Casing Size: 8 5/8"

GAS SHOWS:	Gas Measured			COMMENTS:
Mulberry Coal	0	mcf/day @	164-170 FT.	
Lexington Shale and Coal	0	mcf/day @	190-194 FT.	Gas check at 225 ft.
Summit Shale & Coal	0	mcf/day @	296-300 FT.	Gas check at 315 ft. Slight blow.
Mulky Shale & Coal	6	mcf/day @	326-330 FT.	6 mcf/day from this area. Gas check at 345 ft.
Bevier Coal	6	mcf/day @	403-405 FT.	Gas check at 405 ft.
Verdigris Limestone	6	mcf/day @	422-425 FT.	**No upper baffle to set here.**
#1 Croweburg Coal & Shale	6	mcf/day @	425-430 FT.	
#2 Croweburg Coal & Shale	6	mcf/day @	435-437 FT.	
Fleming Coal	6	mcf/day @	454-456 FT.	GCS. Gas check at 525 ft.
#1 Weir Coal	6	mcf/day @	566-568 FT.	
#2 Weir Coal	6	mcf/day @	610-612 FT.	
Bartlesville Sand	6	mcf/day @	Poorly developed FT.	**No lower baffle to set here.**
Rowe Coal	6	mcf/day @	734-736 FT.	GCS. Gas check at 766 ft.
Neutral Coal	6	mcf/day @	Absent FT.	
Riverton Coal	6	mcf/day @	Traces FT.	
Mississippi Limestone	9	mcf/day @	Top at 822-1146 FT.	3 mcf/day from this area. Gas check 826, 856 & 886 ft.
Northview Shale	9	mcf/day @	1146-1170 FT.	**Wet at 946 ft.**
Compton Limestone	9	mcf/day @	Absent FT.	
Chattanooga Shale	9	mcf/day @	1170-1187 FT.	
Arbuckle Dolomite	9	mcf/day @	Top at 1187 FT.	Water.
TD: 1548 ft				Too much water to take Gas checks. Large Pit full.

Note: Water coming into the hole from zones drilled affects Drilling & Gas Tests. These Wells may require a booster to reach target TD.
This water pressure may cause the Gas coming into the hole to be sporadic and/or appear non-existent, giving false readings of initial Gas measured.

Bottom of Production Pipe Tally Sheet: TBD.
Bottom Logger: 1546.10 ft. **Driller TD: 1548 ft.**

Shoe & Centralizer Set on bottom joint & Centralizers Set every 5 joints to surface.

OTHER COMMENTS:
Information in this report was taken directly from the Drillers hand written notes, Geologists examination of rock samples with a hand lens & the Compensated Density Log only. Gas Tests reflect what the driller wrote down during drilling activities. All zones are picked on site with minimal log correlation. Detailed work with logs may provide more accurate data for reservoir analysis. Below Zones fyi only.

Pawnee LS / Pink	170-190
Oswego Limestone	262-296
Iron Post Coal	394-396
Mineral Coal	471-473
Scammon Coal	496-498
Tebo Coal	547-549

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CASING RECOMMENDATIONS: **Run 5.5 inch casing / Cement to surface**

On Site Representative: **Ken Recoy, Senior Geologist, CPG #4630 & #5927** **Cell: (620) 305-9900** krecoy@qrcp.net

End of Drilling Report. Thank You!

QUEST
Resource Corporation

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

TICKET NUMBER 6680
FIELD TICKET REF #
FOREMAN Joe
SSI 628640
API 15-099-24414

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-30-8	Smith SWD 23-1	23	34	18	LB

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe	6:45	10:30		903427		3.75	Joe Blanc
Tim	6:45	↓		903255		↓	[illegible]
Craig	6:45	↓		903600		↓	[illegible]
Tyler	7:00	↓		903140	932452	3.5	[illegible]
Daniel	6:45	↓		904735		3.75	[illegible]
Maverick	6:45	↓		931310	932885	3.75	120

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 1546 CASING SIZE & WEIGHT 5 1/2 14#
CASING DEPTH 1190.71 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 13.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 0
DISPLACEMENT 28.35 DISPLACEMENT PSI MIX PSI RATE 4bpm

REMARKS:
Installed Cement head pumped 28 BBl water & 2 SKS gel to [illegible] drop ball pumped about 10 bbl to get ball set in packer shoe. Pumped 18 BBl dye & 1 SK gel & 180 SKS of cement To get dye to surface. flush pump Pump wiper plug to bottom.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	1	Foreman Pickup	
903255	1	Cement Pump Truck	
903600	1	Bulk Truck	
903140	1	Transport Truck	
932452	1	Transport Trailer	
904735	1	80 Vac	
	1190.71	Casing 5 1/2	
	7	Centralizers	
	1	Float Shoe Type "A"	
	1	Wiper Plug	
	0	Frac Baffles	
	160 SK	Portland Cement	
	36 SK	Gilsonite	
	1.5 SK	Flo-Seal	
	12 SK	Premium Gel	
	3 SK	Cal Chloride	
	1 gal	KCL	
	7000 gal	City Water	

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