

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/5/09

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: LS Well Service  
License: 33374  
Wellsite Geologist: Ken Recoy

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Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  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. \_\_\_\_\_

6/14/07	6/15/07	6/16/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26959-0000  
County: Neosho  
\_\_\_\_\_ - sw - se Sec. 22 Twp. 29 S. R. 18  East  West  
660 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: Semrad, Emil Well #: 22-2  
Field Name: Cherokee Basin CBM  
Producing Formation: Multiple  
Elevation: Ground: 1045 Kelly Bushing: n/a  
Total Depth: 1185 Plug Back Total Depth: 1177.21  
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 1177.21  
feet depth to surface w/ 140 sx cmt.

Drilling Fluid Management Plan AK II W 3-10-09  
(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: 10/5/07  
Subscribed and sworn to before me this 5<sup>th</sup> day of October,  
2007.  
Notary Public: Debra Klaujan  
Date Commission Expires: 8-4-2010

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**OCT 09 2007**

**TERRA KLAUJAN**  
Notary Public - State of Kansas  
My Appt. Expires 8-4-2010

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Quest Cherokee, LLC Lease Name: Semrad, Emil Well #: 22-2  
 Sec. 22 Twp. 29 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Log Dual Induction Log Gamma Ray Neutron Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum See attached
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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"	22	22	"A"	6	
Production	6-3/4	4-1/2	10.5	1177.21	"A"	140	

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				

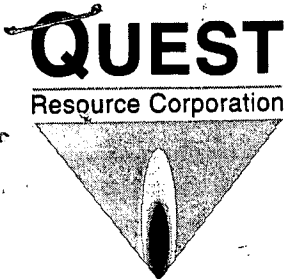
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
4	1075-1078/1019-1021/1014-1016	300gal 15%HCLw/ 24 bbls 2%kcl water, 640bbls water w/ 2% KCL, Blockde, 3300# 20/40 sand		1075-1078/1019-1021 1014-1016
4	798-800/759-762/737-739	300gal 15%HCLw/ 45 bbls 2%kcl water, 540bbls water w/ 2% KCL, Blockde, 2700# 20/40 sand		798-800/759-762 737-739
4	660-664/648-652	300gal 15%HCLw/ 39 bbls 2%kcl water, 690bbls water w/ 2% KCL, Blockde, 4300# 20/40 sand		660-664/648-652

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2-3/8"	1118	n/a			
Date of First, Resumerd Production, SWD or Enhr. 7/17/07			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		
	n/a	56.1mcf	14.9bbls				

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) \_\_\_\_\_



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

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OCT 05 2007  
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TICKET NUMBER 2242

FIELD TICKET REF #

FOREMAN Joe

621870

TREATMENT REPORT  
& FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-16-07	SemRAD Emil 22-2	22	29	18	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	10:30	3:30	NO	903427		5	Joe Blon (handwritten)
Tim A	↓	3:30	↓	903255		5	(handwritten)
Tyler G	↓	3:30	↓	903103		5	(handwritten)
Paul H	↓	2:30	↓	903142	932452	4	Paul (handwritten)
Gary C	↓	2:30	↓	931500		4	(handwritten)

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1185 CASING SIZE & WEIGHT 4 1/2 10.5  
 CASING DEPTH 1177.21 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 18.77 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4bpm

REMARKS:

Installed Cement head RAW 2 SKS gel & 13 bbl dye & 140 SKS of Cement to get dye to surface. flush pump. Pump wiper plug to bottom & set float shoe

1177.21	ft 4 1/2 Casing
6	Centralizers
1	4 1/2 float shoe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	5 hr	Foreman Pickup	
903255	5 hr	Cement Pump Truck	
903103	5 hr	Bulk Truck	
1104	131 SK	Portland Cement	
1124	2	60/50 POZ Blend Cement 3 1/2" # 3"	
1126	1	OWC Blend Cement 4 1/2" plug	
1110	14 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	2 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate Calchloride	
1123	700 gal	City Water	
903142	4 hr	Transport Truck	
932452	4 hr	Transport Trailer	
931500	4 hr	80 Vac	

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CONSERVATION DIVISION  
WICHITA, KS

L S Well Service, LLC #33374  
543A 22000 Road  
Cherryvale, Kansas 67335  
620-328-4433

Drill Log  
Quest Cherokee, LLC

EMIL SEMRAD 22-2  
S22, T29, R18E  
Neosho Co, KS  
API#133-26959-0000  
P.O. # 15964

0-1 Dirt  
2-90 Shale  
90-180 Lime  
180-215 Shale  
215-250 Lime  
250-258 Shale  
258-275 Lime  
275-278 Black Shale  
278-334 Lime  
334-338 Shale  
338-340 Black Shale  
340-435 Shale  
435-442 Lime  
442-446 Black Shale  
446-451 Lime  
451-472 Shale  
472-481 Sand  
481-539 Shale  
539-542 Lime  
542-543 Coal  
543-580 Lime Pink  
580-585 Black Shale  
585-624 Shale  
624-646 Lime Oswego  
646-651 Black Shale  
651-662 Lime  
662-665 Black Shale  
665-666 Coal  
666-753 Shale  
753-756 Lime  
756-757 Coal  
757-815 Shale  
815-816 Coal  
816-872 Shale  
872-883 Sandy Shale  
883-886 Black Shale  
886-920 Sandy Shale  
920-1000 Laminated Sand  
1000-1027 Shale  
1027-1029 Black Shale  
1029-1030 Coal  
1030-1069 Shale  
1069-1070 Coal  
1070-1082 Shale  
1082-1187 Lime

6-14-07 Drilled 11" hole and set  
22.1' of 8 5/8" surface casing  
Set with 6 sacks Portland cement

6-15-07 Started drilling 6 3/4" hole

6-15-07 Finished drilling to  
T.D. 1187'

435' 0  
495' 0  
556' 0  
660' 2" on 3/4" Orifice  
676' 5" on 3/4" Orifice  
766' 5" on 3/4" Orifice  
826' 5" on 3/4" Orifice  
916' 5" on 3/4" Orifice  
1006' 5" on 3/4" Orifice  
1037' 5" on 3/4" Orifice  
1067' 5" on 3/4" Orifice  
1073' 10" on 3/4" Orifice  
1097' 10" on 3/4" Orifice  
1127' 10" on 3/4" Orifice

WATER AT 525'

T.D. 1187'

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