



KANSAS CORPORATION COMMISSION 1097679  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF **Commingling ID # CO121203**  
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERATOR: License # 33343  
Name: PostRock Midcontinent Production LLC  
Address 1: Oklahoma Tower  
Address 2: 210 Park Ave, Ste 2750  
City: OKLAHOMA CITY State: OK Zip: 73102 +  
Contact Person: CLARK EDWARDS  
Phone: (620) 432-4200

API No. 15 - 15-205-27208-00-00  
Spot Description: \_\_\_\_\_  
NE SW Sec. 34 Twp. 27 S. R. 16  East  West  
1980 \_\_\_\_\_ Feet from  North /  South Line of Section  
1980 \_\_\_\_\_ Feet from  East /  West Line of Section  
County: Wilson  
Lease Name: STEVENS, WILLIAM K. Well #: 34-1

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: SUMMIT (Perfs): 836-840  
Formation: MULKY (Perfs): 848-852  
Formation: BEVIER (Perfs): 913-915  
Formation: CROWEBURG (Perfs): 929-932  
Formation: FLEMING (Perfs): 963-965

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: SUMMIT BOPD: 0 MCFPD: 2.14 BWPD: 5.71  
Formation: MULKY BOPD: 0 MCFPD: 2.14 BWPD: 5.71  
Formation: BEVIER BOPD: 0 MCFPD: 2.14 BWPD: 5.71  
Formation: CROWEBURG BOPD: 0 MCFPD: 2.14 BWPD: 5.71  
Formation: FLEMING BOPD: 0 MCFPD: 2.14 BWPD: 5.71

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.

4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

**For Commingling of PRODUCTION ONLY, include the following:**

- 5. Wireline log of subject well. Previously Filed with ACO-1:  Yes  No
- 6. Complete Form ACO-1 (Well Completion form) for the subject well.

**For Commingling of FLUIDS ONLY, include the following:**

- 7. Well construction diagram of subject well.
- 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**AFFIDAVIT:** I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Submitted Electronically

**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: 12/12/2012  
Approved By: Rick Hestermann Date: 12/12/2012

*Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.*

	A	B	C	D	E	F	G	H	I	J	K
1	Produced Fluids #		1	2	3	4	5		Click here to run SSP  Goal Seek SSP  Click Click Click Click		
2	Parameters	Units	Input	Input	Input	Input	Input				
3	Select the brines	Select fluid by checking the box(es),	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed brine:			
4	Sample ID							Cell H28 is			
5	Date		3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.			
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38			
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith	are used in			
8	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines			
9	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.			
10	Na <sup>+</sup>	(mg/l)*	19,433.00	27,381.00	26,534.00	25,689.00	24,220.00	24,654.20	Initial(BH)	Final(WH)	S/SR (Final-Initial)
11	K <sup>+</sup> (if not known =0)	(mg/l)						0.00	Saturation Index values		
12	Mg <sup>2+</sup>	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	Calcite		
13	Ca <sup>2+</sup>	(mg/l)	1,836.00	2,452.00	2,044.00	1,920.00	1,948.00	2,040.23	-0.73	-0.60	0.13
14	Sr <sup>2+</sup>	(mg/l)						0.00	Barite		
15	Ba <sup>2+</sup>	(mg/l)						0.00			
16	Fe <sup>2+</sup>	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Halite		
17	Zn <sup>2+</sup>	(mg/l)						0.00	-1.77	-1.80	-0.03
18	Pb <sup>2+</sup>	(mg/l)						0.00	Gypsum		
19	Cl <sup>-</sup>	(mg/l)	36,299.00	48,965.00	47,874.00	45,632.00	43,147.00	44,388.44	-3.19	-3.18	0.00
20	SO <sub>4</sub> <sup>2-</sup>	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemhydrate		
21	F <sup>-</sup>	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br <sup>-</sup>	(mg/l)						0.00	Anhydrite		
23	SiO <sub>2</sub>	(mg/l) SiO <sub>2</sub>						0.00	-3.47	-3.36	0.12
24	HCO <sub>3</sub> Alkalinity**	(mg/l as HCO <sub>3</sub> )	190.00	234.00	259.00	268.00	254.00	241.03	Celestite		
25	CO <sub>3</sub> Alkalinity	(mg/l as CO <sub>3</sub> )									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH <sub>3</sub>						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H <sub>3</sub> BO <sub>3</sub>						0.00	Zinc Sulfide		
29	TDS (Measured)	(mg/l)						72781			
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1.050	1.048	1.045	1.047	Calcium fluoride		
31	CO <sub>2</sub> Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16			
32	H <sub>2</sub> S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
33	Total H <sub>2</sub> Saq	(mgH <sub>2</sub> S/l)	1.00	1.00	1.00	1.00	0.50	0.90	-0.74	-0.51	0.23
34	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63	Inhibitor needed (mg/L)		
	Choose one option to calculate SI?	0-CO <sub>2</sub> +Alk, 1-pH+Alk, 2-CO <sub>2</sub> +pH	0	0	0	0	0		Calcite	NTMP	
35	Gas/day(thousand cf/day)	(Mcf/D)						0	0.00	0.00	
37	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	BHPMP	
38	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	
39	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)								(Enter H40-H43) pH		
40	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	
41	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	Viscosity (CentiPoise)		
42	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	
43	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capacity (cal/ml <sup>o</sup> C)		
44	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	
45	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
46	Gas Sp.Grav.	Sp.Grav.						0.60	Gypsum	HDTMP	
47	MeOH/Day	(B/D)	0					0	0.00	0.00	
48	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
49	Conc. Multiplier								0.00	0.00	
50	H <sup>+</sup> (Strong acid) <sup>†</sup>	(N)									
51	OH <sup>-</sup> (Strong base) <sup>†</sup>	(N)									
52	Quality Control Checks at STP:										
53	H <sub>2</sub> S Gas	(%)									
54	Total H <sub>2</sub> Saq (STP)	(mgH <sub>2</sub> S/l)									
55	pH Calculated	(pH)									
56	PCO <sub>2</sub> Calculated	(%)									
57	Alkalinity Calculated	(mg/l) as HCO <sub>3</sub>									
58	ECations=	(equiv./l)									
59	EAions=	(equiv./l)									
60	Calc TDS=	(mg/l)									
61	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)			Value		
62	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
63	Have ScaleSoftPitzer			2	BHPMP	°C	80	°F	176		
64	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m <sup>3</sup>	100	ft <sup>3</sup>	3,531		
65	If No, inhibitor # is:	4	#	4	DTPMP	m <sup>3</sup>	100	bb(42 US gal)	629		
66	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
67	1 <sup>st</sup> inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		
68	% of 1 <sup>st</sup> inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
69	2 <sup>nd</sup> inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bb(42 US gal)	238		
70	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bb(42 US gal)	63		
71				10	Mixed						

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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: Michael Drilling  
License: 33783  
Wellsite Geologist: Ken Recoy

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

6/9/07	6/12/07	6/22/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27208-0000  
County: Wilson  
\_\_\_\_\_ no. sw Sec. 34 Twp. 27 S. R. 16  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: Stevens, William K. Well #: 34-1

Field Name: Cherokee Basin CBM

Producing Formation: Multiple  
Elevation: Ground: 1016 Kelly Bushing: n/a

Total Depth: 1309 Plug Back Total Depth: 1298.91

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 1298.91  
feet depth to surface w/ 180 sx cmt.

Drilling Fluid Management Plan AN # NY 32309  
(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 Klauman

Date Commission Expires: 8-4-2010

TERRA KLAUMAN  
Notary Public - State of Kansas  
My Appt. 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**

CONSERVATION DIVISION  
WICHITA, KS

## Saturation Index Calculations

*Champion Technologies, Inc.*

(Based on the Tomson-Oddo Model)

**Brine 1:** Ward Feed Yard 34-1

**Brine 2:** Ward Feed Yard 4-1

**Brine 3:** Clinesmith 5-4

**Brine 4:** Clinesmith 1

**Brine 5:** Clinesmith 2

Component (mg/L)	Ratio					Mixed Brine
	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	
Calcium	1836	2452	2044	1920	1948	1952
Magnesium	1096	872	1200	953	858	865
Barium	0	0	0	0	0	0
Strontium	0	0	0	0	0	0
Bicarbonate	190	234	259	268	254	253
Sulfate	1	1	8	1	1	1
Chloride	36299	48965	47874	45632	43147	43206
CO <sub>2</sub> in Brine	246	220	264	422	405	401
Ionic Strength	1.12	1.48	1.46	1.38	1.31	1.31
Temperature (°F)	89	89	89	89	89	89
Pressure (psia)	50	50	120	120	120	119

### Saturation Index

Calcite	-1.71	-1.41	-1.48	-1.68	-1.69	-1.69
Gypsum	-3.71	-3.64	-2.82	-3.73	-3.72	-3.69
Hemihydrate	-3.70	-3.65	-2.83	-3.74	-3.71	-3.69
Anhydrite	-3.89	-3.79	-2.97	-3.89	-3.88	-3.85
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

### PTB

Calcite	N/A	N/A	N/A	N/A	N/A	N/A
Gypsum	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite	N/A	N/A	N/A	N/A	N/A	N/A
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

**Michael Drilling, LLC**  
**P.O. Box 402**  
**Iola, KS 66749**  
**620-365-2755**

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**OCT 05 2007**  
**KCC**

061207

**Company:** Quest Cherokee LLC  
**Address:** 9520 North May Ave, Suite 300  
Oklahoma City, Oklahoma 73120  
**Ordered By:** Donnie Meyers

**Date:** 06/12/07  
**Lease:** Stevens, William K.  
**County:** Wilson  
**Well#:** 34-1  
**API#:** 15-205-27208-00-00

**Drilling Log**

FEET	DESCRIPTION	FEET	DESCRIPTION
0-3	Overburden	795-809	Sandy Shale
3-58	Lime	809-810	Coal
58-256	Shale	810-830	Lime
256-270	Lime	822	Gas Test 50" at 1/4" Choke
270-306	Shale	830-837	Black Shale
306-330	Lime	837-843	Lime
330-354	Shale	840	Gas Test 50" at 1/4" Choke
354-381	Shale and Lime	843-846	Black Shale and Coal
381-439	Lime	846-926	Sandy Shale
439-442	Black Shale	857	Gas Test 35" at 1/2" Choke
442-530	Lime	926-928	Lime
530-610	Shale	928-930	Coal
610-612	Coal	930-970	Shale
612-620	Lime	970-972	Coal
620-643	Shale	972-1006	Sandy Shale
643-672	Lime	1006-1007	Coal
672-686	Shale	1007-1020	Sandy Shale
686-695	Sand	1020-1021	Coal
695-697	Coal	1021-1067	Sandy Shale
697-753	Sandy Shale	1067-1069	Coal
753-755	Lime	1069-1075	Sandy Shale
755-759	Coal	1075-1138	Sand
759-792	Lime	1138-1140	Coal
792-795	Black Shale	1140-1144	Shale

**RECEIVED**  
 KANSAS CORPORATION COMMISSION

**OCT 09 2007**

Operator Name: Quest Cherokee, LLC Lease Name: Stevens, William K. Well #: 34-1  
 Sec. 34 Twp. 27 S. R. 16  East  West County: Wilson

**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 (Attach Additional Sheets)  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 (Submit Copy)  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
---	--

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"	5	
Production	6-3/4	4-1/2	10.5	1298.91	"A"	180	

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	1216-1218	300gal 15%HCL w/ 35 bbls 2%KCl water, 431bbls water w/ 2% KCL, Blocks, 2100# 20/40 sand	1216-1218
4	1073-1075/963-965/929-932/913-915	300gal 15%HCL w/ 45 bbls 2%KCl water, 591bbls water w/ 2% KCL, Blocks, 4300# 20/40 sand	1073-1075/963-965 929-932/913-915
4	848-852/836-840	300gal 15%HCL w/ 49 bbls 2%KCl water, 891bbls water w/ 2% KCL, Blocks, 6100# 20/40 sand	848-852/836-840

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>1244</u>	Packer At <u>n/a</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>7/23/07</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. <u>n/a</u>	Gas Mcf <u>42mcf</u>	Water Bbls. <u>97.6bbls</u>	Gas-Oil Ratio	Gravity

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

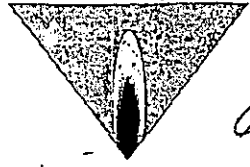
METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify) \_\_\_\_\_

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



# QUEST

Resource Corporation



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

TICKET NUMBER 2261

FIELD TICKET REF #

FOREMAN Joe

621730

## TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-22-07	STEVEN William 34-1	34	27	16	WL

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	6:45	1:30		903427		6.75	Joe Blandford
MAUerick D	7:00	2:45		903197		7.75	Maurice D...
Tyler G	7:00	1:30		903206		6.5	TLB
Paul H	6:45	1:30		903142	932452	6.75	Paul Hale
Gary C	7:00	1:30		931500		6.5	G. C. ...
MAC. M	6:30	1:30				7	Mac M. ...

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1313 CASING SIZE & WEIGHT 4 1/2 10.5  
 CASING DEPTH 1298.91 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 20.71 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS:

Installed cement Rain 2 SK gal & 13 bbl dye & 180 SKS of cement to get dye to surface. flush pump. Pump wiper to bottom & set float shoe

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KCC

	1298.91	ft 4 1/2 Casing
	6	Centralizers
981300	5 hr	Casing tractor
932885	5 hr	Casing trailer

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	6.75 hr	Foreman Pickup	
903197	7.75 hr	Cement Pump Truck	
903206	6.5 hr	Bulk Truck	
1104	170 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement Baffle 3 1/2 #3	
1126	1	OWG Blend Cement 4 1/2 Wiper plug	
1110	18 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	2 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate Calchloride	
1123	7000 gal	City Water	
903142	6.75 hr	Transport Truck	
932152	6.75 hr	Transport Trailer	
931500	6.5 hr	80 Vac	

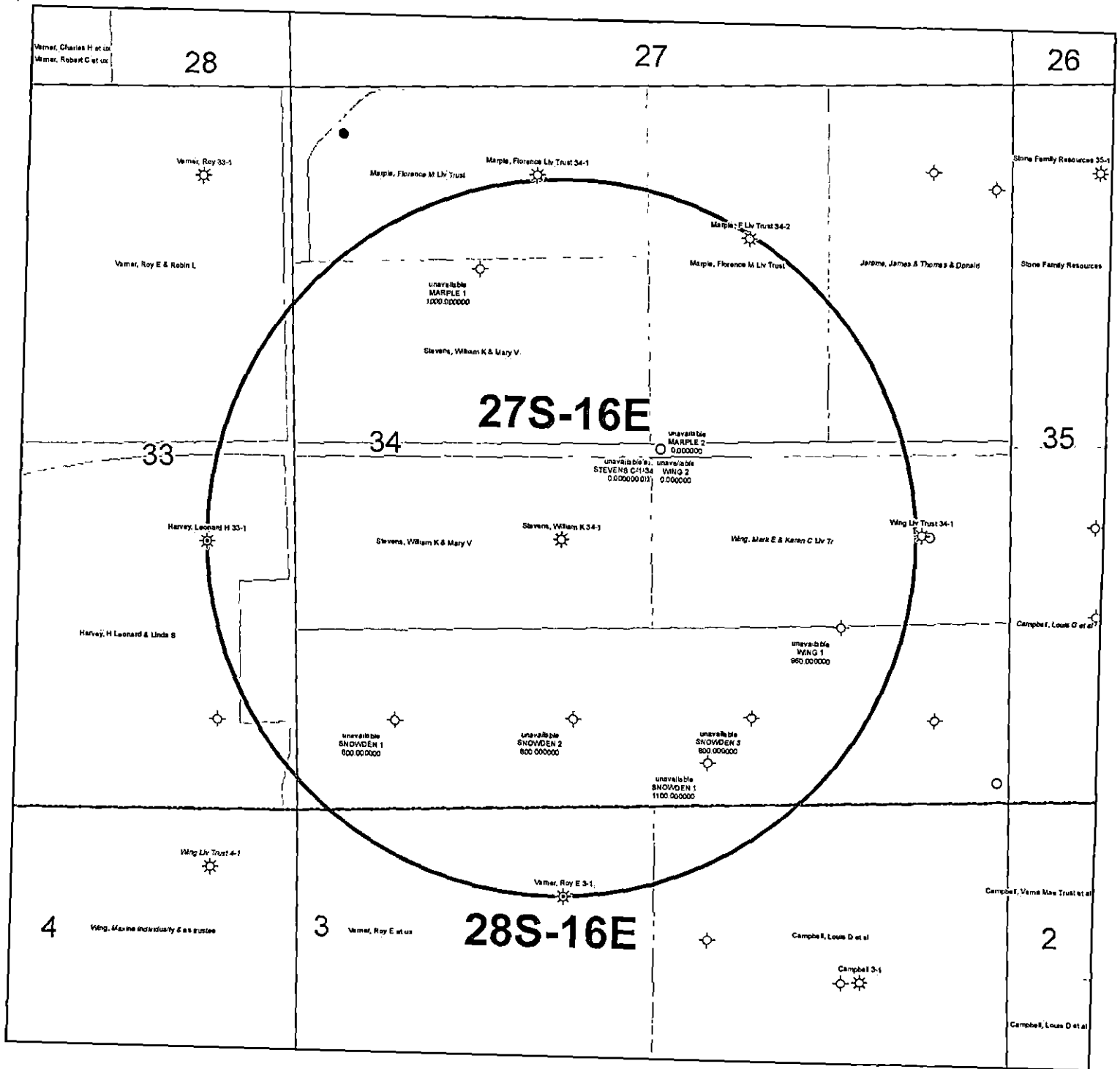
RECEIVED  
KANSAS CORPORATION COMMISSION

OCT 09 2007

CONSERVATION DIVISION  
WICHITA KS

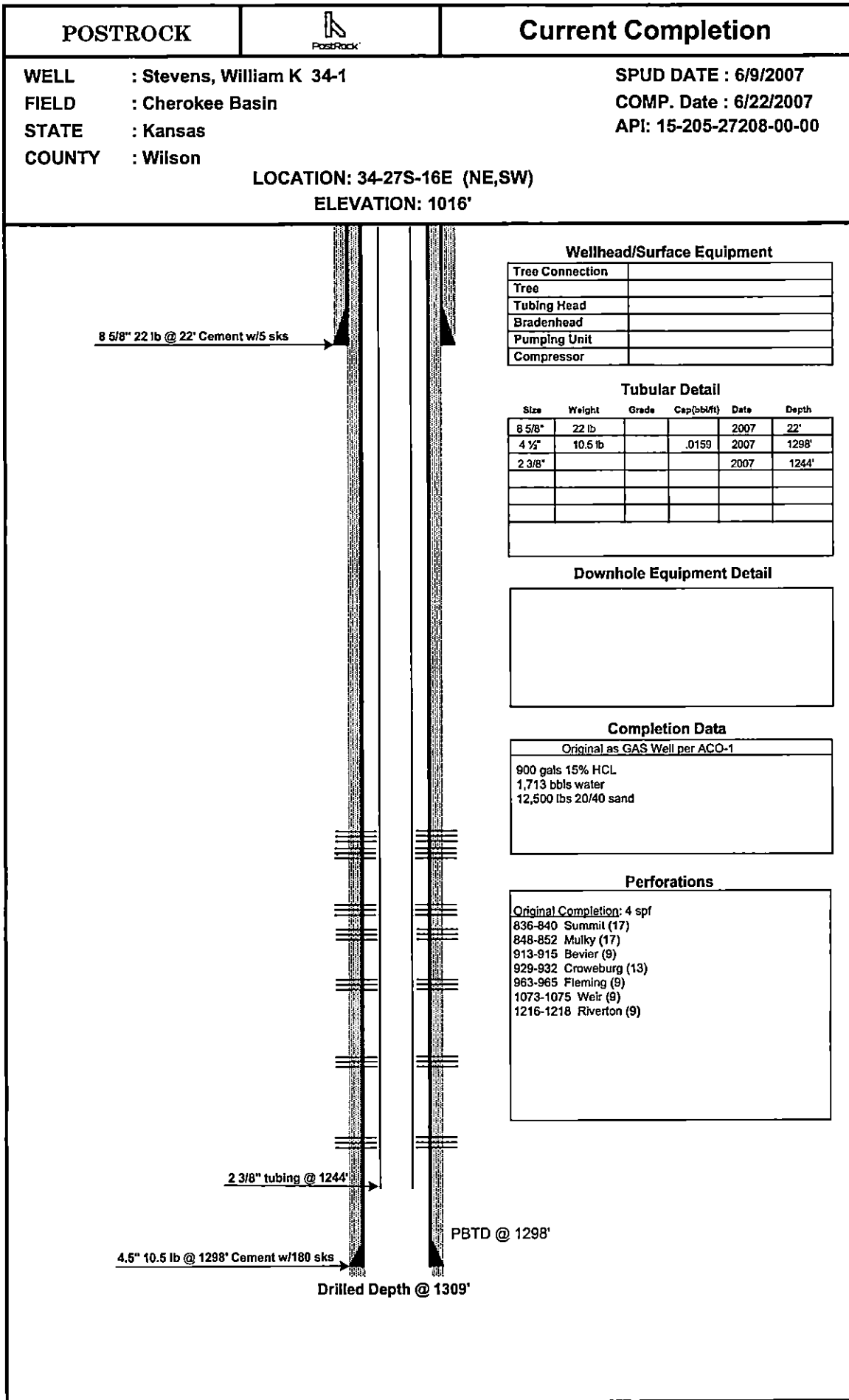
1 4 1/2 flo. + shoe






KGS STATUS	
◇	DA/PA
⊙	EOR
☆	GAS
△	INJ/SWD
●	OIL
✱	OIL/GAS
○	OTHER

Stevens, William K 34-1  
 34-27S-16E  
 1" = 1,000'



<b>POSTROCK</b>		<b>Current Completion</b>
<b>WELL</b> : Stevens, William K 34-1	<b>SPUD DATE</b> : 6/9/2007	
<b>FIELD</b> : Cherokee Basin	<b>COMP. Date</b> : 6/22/2007	
<b>STATE</b> : Kansas	<b>API</b> : 15-205-27208-00-00	
<b>COUNTY</b> : Wilson	<b>LOCATION</b> : 34-27S-16E (NE,SW)	
	<b>ELEVATION</b> : 1016'	

**Wellhead/Surface Equipment**

Tree Connection	
Tree	
Tubing Head	
Bradenhead	
Pumping Unit	
Compressor	

**Tubular Detail**

Size	Weight	Grade	Cap(bbl/ft)	Date	Depth
8 5/8"	22 lb			2007	22'
4 1/2"	10.5 lb		.0159	2007	1298'
2 3/8"				2007	1244'

**Downhole Equipment Detail**

**Completion Data**

Original as GAS Well per ACO-1

900 gals 15% HCL  
 1,713 bbls water  
 12,500 lbs 20/40 sand

**Perforations**

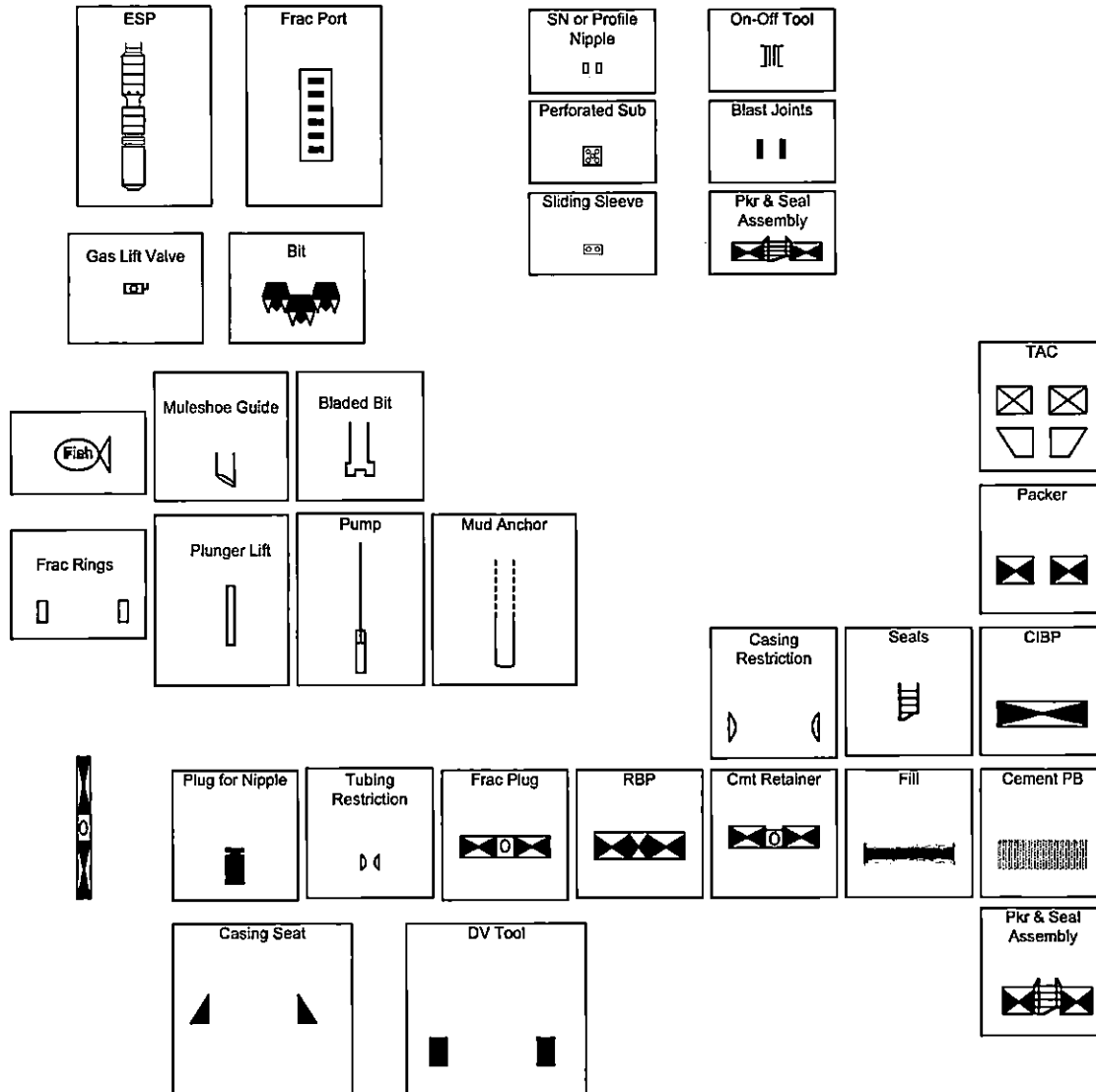
Original Completion: 4 spf  
 836-840 Summit (17)  
 848-852 Mulky (17)  
 913-915 Bevier (9)  
 929-932 Croweburg (13)  
 963-965 Fleming (9)  
 1073-1075 Weir (9)  
 1216-1218 Riverton (9)

# POSTROCK



## LEGEND

PostRock®



**AFFIDAVIT**

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeseth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 9th of

November A.D. 2012, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

*Mark Fletchall*

Subscribed and sworn to before me this

9th day of November, 2012

PENNY L. CASE
Notary Public - State of Kansas
My Appt. Expires 5/28/2014

*Penny L. Case*
Notary Public Sedgwick County, Kansas

Printer's Fee : \$132.40

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
NOVEMBER 9, 2012 (2012686)
BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
RE: In the Matter of: Postrock Midcontinent Production, LLC Application for Continuation of Production in the Stevens, William K 34-1 located in Wilson County, Kansas.
TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and to persons whomsoever concerned.
You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to continue the Summit, Mulky, Beaver, Crowburg, Fleming, Weber, Riverton and Bardsville producing formations of the Stevens, William K 34-1, located in the NE SW, S14-T27S-R16E, Approximately 1980 FSL & 1980 FWL, Wilson County, Kansas.
Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.
All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All persons and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.
Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.
Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 650-7794

PROOF OF PUBLICATION

STATE OF KANSAS  
Wilson County - SS

JOSEPH S. and RITA M. RELPH, of lawful age, being duly sworn upon oath that they are the Owners and Publishers of the WILSON COUNTY CITIZEN:

THAT said newspaper has been published at least weekly fifty (50) times a year and has been so published for at least five years prior to the first publication of the attached notice:

THAT said newspaper is a general circulation on a daily, or weekly, or monthly, or yearly basis in;

WILSON COUNTY, KANSAS and is NOT a trade, religious or fraternal publication and has been PRINTED and PUBLISHED in Wilson County, Kansas.

THE ATTACHED was published on the following dates in a regular issue of said newspaper:

1st publication was made on the 8th day of November, 2012

2nd publication was made on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

3rd publication was made on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

4th publication was made on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

5th publication was made on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

6th publication was made on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

TOTAL PUBLICATION FEE: \$ 37.<sup>20</sup>

(Signed) Joseph S. Relph

Subscribed and sworn to before me, this 9th day of November, 2012

Rita M. Relph (Notary Public)

My commission expires Aug. 30, 2014

(Published in the Wilson County Citizen on Thursday, November 8, 2012.)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commingling of Production in the Stevens, William K 34-1 located in Wilson County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomsoever concerned.

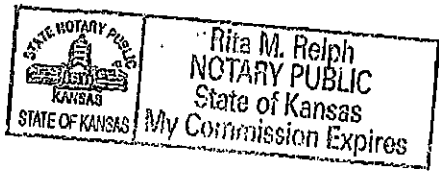
You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to commingle the Summit, Mulky, Bevier, Crowburg, Fleming, Wenp, Riverton and Barlesville producing formations at the Stevens, William K 34-1, located in the NE SW S34 T27S R16E, Approximately 1980 FSL & 1980 FWL, Wilson County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

Postrock Midcontinent Production, LLC  
210 Park Avenue, Suite 2750  
Oklahoma City, Oklahoma 73102  
(405) 680-7704  
76 X copy





**Affidavit of Notice Served**

Re: Application for: APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS ACO-4

Well Name: STEVENS, WILLIAM K 34-1 Legal Location: NESW S34-T27S-R16E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day ~~26TH~~<sup>27th</sup> of NOVEMBER, 2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

Note: A copy of this affidavit must be served as a part of the application.

Name

Address (Attach additional sheets if necessary)

SEE ATTACHED

I further attest that notice of the filing of this application was published in the THE WILSON COUNTY CITIZEN, the official county publication of WILSON county. A copy of the affidavit of this publication is attached.

Signed this ~~26TH~~<sup>27th</sup> day of NOVEMBER, 2012

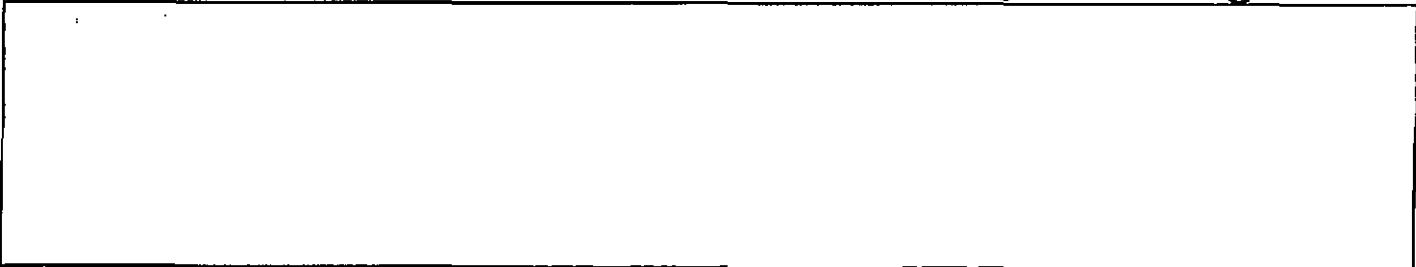
Jeff Morris  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 27th day of NOVEMBER, 2012



Jennifer R. Beal  
Notary Public

My Commission Expires: ~~Jennifer~~ July 20, 2016



STEVENS, WILLIAM K 34-1

LEGAL LOCATION    CURR\_OPERA

S34-T27S-R16E

Tharp Oil Co.

22400 Harper Rd

Chanute, KS 66720



**STEVENS, WILLIAM K 34-1**

**34-27S-16E**

**S2SW4** Dwight C. Olson Revocable Trust & Evelyn L Olson Revocable Trust  
20106 Scott Rd  
Buffalo, KS 66717

**SE4SE4** Todd J. & Darla D. Marple  
18946 Queen Rd  
Altoona, KS 66710

**RR ROW** Sunflower Rails-Trails Conservancy  
P.O. Box 44-2043  
Lawrence, KS 66044

**33-27S-16E**

**Tract in SE4** Myrna Lemire  
19132 US Hwy 75  
Benedi ct, KS 66714

**RR ROW** Sunflower Rails-Trails Conservancy  
P.O. Box 44-2043  
Lawrence, KS 66044

STEVENS, WILLIAM K 34-1-APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

Offset Operators, Unleased Mineral Owners and Landowners acreage  
(Attach additional sheets if necessary)

\_\_\_\_\_



Name:

Legal Description of Leasehold:

SEE ATTACHED

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
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I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

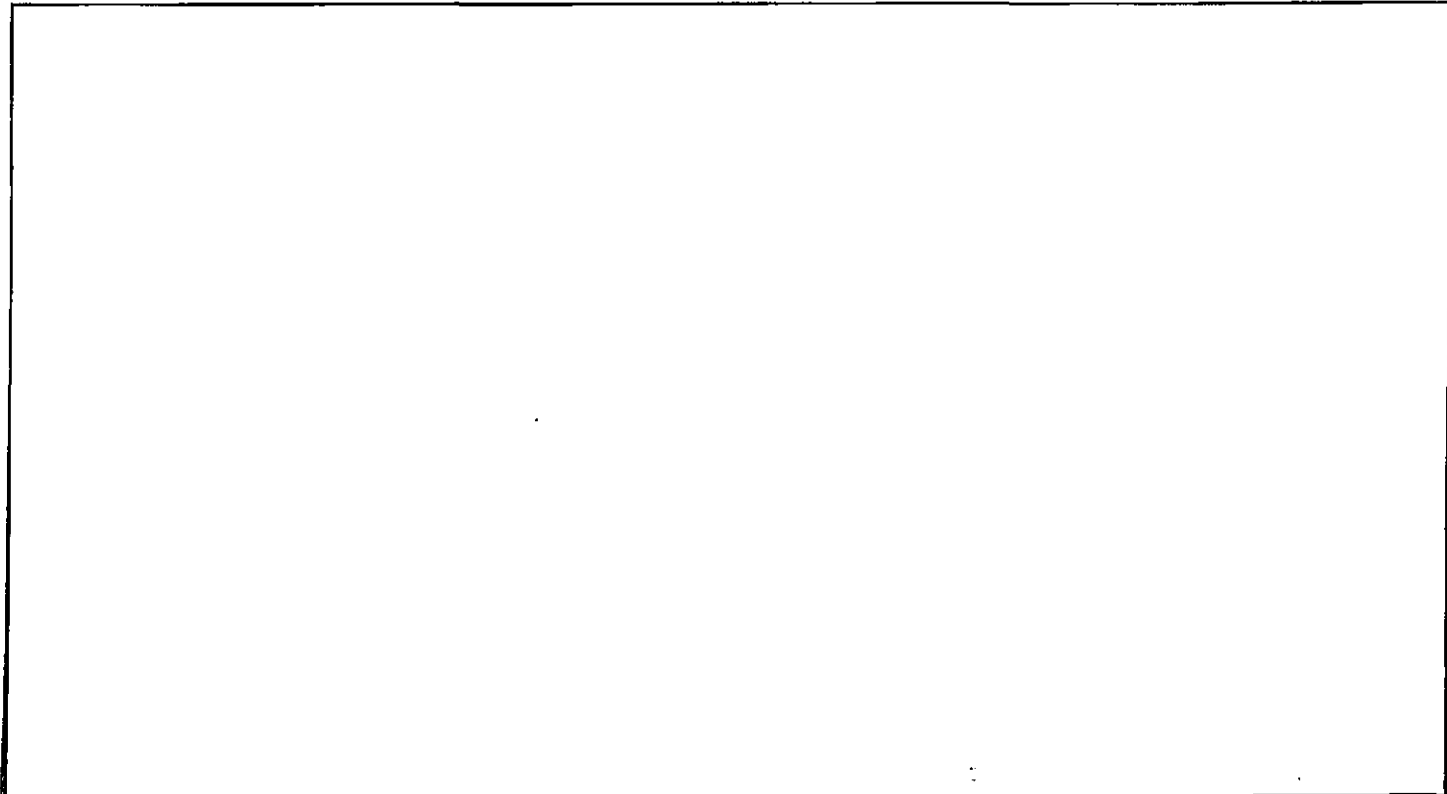
Jess Morris  
Applicant or Duty Authorized Agent

Subscribed and sworn before me this 27<sup>th</sup> day of NOVEMBER, 2012



Jennifer R. Beal  
Notary Public

My Commission Expires: July 20, 2016



**STEVENS, WILLIAM K 34-1**

<b>LEGAL LOCATION</b>	<b>CURR_OPERA</b>
S34-T27S-R16E	Tharp Oil Co.

**STEVENS, WILLIAM K 34-1**

**34-27S-16E**

**S2SW4** Dwight C. Olson Revocable Trust & Evelyn L. Olson Revocable Trust  
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19132 US Hwy 75  
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P.O. Box 44-2043  
Lawrence, KS 66044

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 12, 2012

Clark Edwards  
PostRock Midcontinent Production LLC  
Oklahoma Tower  
210 Park Ave, Ste 2750  
Oklahoma City, OK 73102

RE: Approved Commingling CO121203  
Stevens, William K. 34-1, Sec. 34-T27S-R16E, Wilson County  
API No. 15-205-27208-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on December 10, 2012, has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the Riverton formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

**File form ACO-1 upon re-completion of the well to commingle.**

Commingling ID number CO121203 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann  
Production Department