



KANSAS CORPORATION COMMISSION 1097414  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID #* CO121201  
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 - 15-205-26807-00-00  
Spot Description: \_\_\_\_\_  
NW SE NE NE Sec. 34 Twp. 27 S. R. 17  East  West  
704 Feet from  North /  South Line of Section  
638 Feet from  East /  West Line of Section  
County: Wilson  
Lease Name: MYERS WAYNE D Well #: 34-1

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: SUMMIT (Perfs): 705-709  
Formation: MULKY (Perfs): 715-719  
Formation: BEVIER (Perfs): 792-794  
Formation: CROWEBURG (Perfs): 809-812  
Formation: FLEMING (Perfs): 843-845

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: SUMMIT BOPD: 0 MCFPD: 3.5 BWPD: 5.25  
Formation: MULKY BOPD: 0 MCFPD: 3.5 BWPD: 5.25  
Formation: BEVIER BOPD: 0 MCFPD: 3.5 BWPD: 5.25  
Formation: CROWEBURG BOPD: 0 MCFPD: 3.5 BWPD: 5.25  
Formation: FLEMING BOPD: 0 MCFPD: 3.5 BWPD: 5.25

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:**

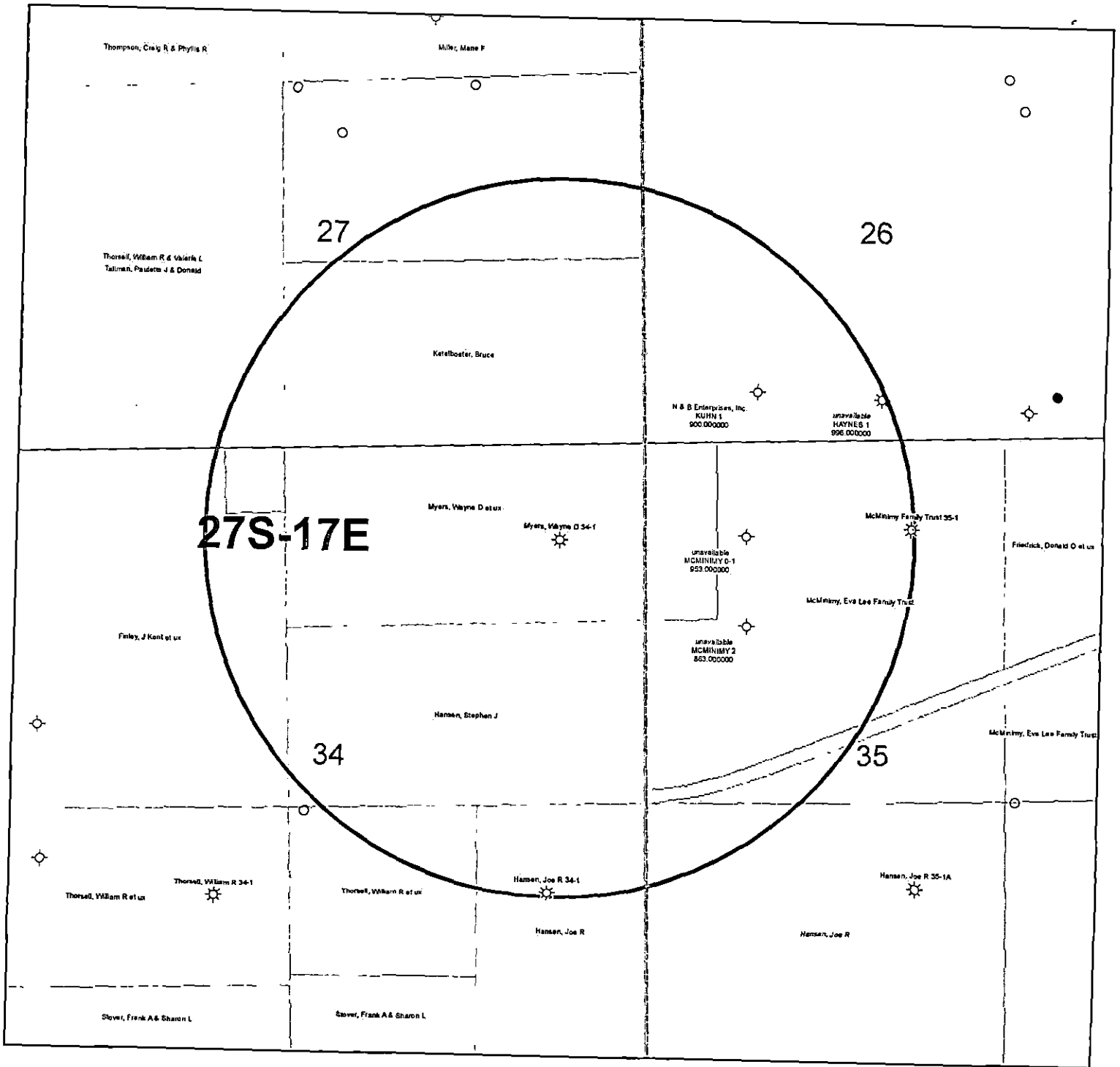
7. Well construction diagram of subject well.  
 8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**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

<b>KCC Office Use Only</b>	
<input type="checkbox"/> Denied	<input checked="" type="checkbox"/> Approved
15-Day Periods Ends: <u>12/12/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>12/12/2012</u>

*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.*



**KGS STATUS**

- ◇ DA/PA
- ⊕ EOR
- ☆ GAS
- △ INJ/SWD
- OIL
- ✱ OIL/GAS
- OTHER

Myers, Wayne D 34-1  
 34-27S-17E  
 1" = 1,000'

	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		
2	Parameters	Units	Input	Input	Input	Input	Input						Click
3	Select the brines	Select fluid by checking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed brine:					Click
4	Sample ID	(the box(es),						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					Click
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.					Click
10	Na <sup>+</sup>	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	S/SR (Final-Initial)		
11	K <sup>+</sup> (if not known =0)	(mg/l)							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	1920.00	1948.00	2040.23	-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	45632.00	43147.00	44388.44	-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)				
35	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			
36	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>2</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>1</sup>	(N)											
51	OH <sup>-</sup> (Strong base) <sup>1</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	EAnions=	(equiv./l)											
60	Calc TDS=	(mg/l)											
61	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)							
62	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value				
63	Have ScaleSoft/Ptizer			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	bbl(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	bbl(42 US gal)	238				
70	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbl(42 US gal)	63				
71				10	Mixed								

## 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

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

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 Reocy

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. \_\_\_\_\_

<u>7/11/06</u>	<u>7/12/06</u>	<u>7/21/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-26807-00-60  
County: Wilson  
\_\_\_\_\_ ne ne Sec. 34 Twp. 27 S. R. 47  East  West  
660 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: Myers, Wayne D. Well #: 34-1  
Field Name: Cherokee Basin CBM

Producing Formation: Multiple  
Elevation: Ground: 1022 Kelly Bushing: n/a  
Total Depth: 1186 Plug Back Total Depth: 1180.41  
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 1180.41  
feet depth to surface w/ 134 sx cmf.

Drilling Fluid Management Plan WJF KJR 11/01/07  
(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: 11/10/06  
Subscribed and sworn to before me this 10<sup>th</sup> day of November  
20 06.  
Notary Public: Terra Klauman  
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  
NOV 13 2006

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

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Quest Cherokee, LLC Lease Name: Myers, Wayne D. Well #: 34-1  
 Sec. 34 Twp. 27 S. R. 17  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  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

Compensated Density Neutron Log  
 Dual Induction Log  
 Gamma Ray Neutron Log

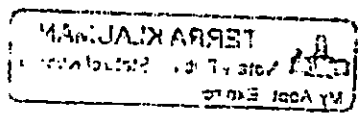
CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8"	20	22	"A"	4	
Production	6-3/4	4-1/2	10.5#	1180.41	"A"	134	

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	1115-1117	200gal 15% HCL w/ 52lbs 2% KCl water, 132lbs water w/ 2% KCl, Blocks, 1250# 30/70 sand	1115-1117
4	932-934/897-899/843-845/809-812/792-794	400gal 15% HCL w/ 52lbs 2% KCl water, 001lbs water w/ 2% KCl, Blocks, 1650# 30/70 sand	932-934/897-899 843-845 809-812/792-794
4	715-719/705-709	400gal 15% HCL w/ 48lbs 2% KCl water, 075lbs water w/ 2% KCl, Blocks, 1600# 30/70 sand	715-719/705-709

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	1147.52	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
10/30/06		<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	20.3mcf	0.7bbls		

Disposition of Gas : **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Submit ACO-18.)  Other (Specify) \_\_\_\_\_



**Michael Drilling, LLC**

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

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

**Date:** 07/12/06  
**Lease:** Myers, Wayne D.  
**County:** Wilson  
**Well#:** 34-1  
**API#:** 15-205-26807-00-00

**Drilling Log**

FEET	DESCRIPTION	FEET	DESCRIPTION
0-22	Overburden	703-710	Black Shale
22-31	Lime	709	Gas Test 10" at 1/2" Choke
31-61	Sand	710-716	Lime
61-107	Lime	716-718	Black Shale
107-234	Wet Sand	718-719	Coal
234-238	Lime	719-740	Sandy Shale
238-240	Sandy Shale	734	Gas Test 20" at 3/4" Choke
240-311	Lime	740-784	Sand
311-331	Shale	784-790	Shale
331-353	Lime	790-792	Coal
353-357	Black Shale	792-807	Shale
357-437	Lime	807-808	Lime
437-483	Shale	808-810	Coal
483-501	Sand	810-842	Shale
501-580	Black Shale	842-845	Coal
580-618	Sandy Shale	845-858	Sandy Shale
618-621	Lime	858-861	Coal
621-624	Coal	861-897	Sand
624-650	Lime	897-899	Coal
650-653	Black Shale	899-915	Shale
653-686	Shale	915-916	Coal
686-687	Coal	916-935	Sand
687-703	Lime	935-938	Coal
700	Gas Test 10" at 1/2" Choke	938-1122	Water and Sand

RECEIVED  
KANGAS CORPORATION COMMISSION  
NOV 13 2006  
CONSERVATION DIVISION  
WICHITA, KS





# QUEST

Resource Corporation



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

TICKET NUMBER **1700**

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

FOREMAN Craig Casner

## TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
July 21 2006	Village U D 34-1	34	27	17	Wilson

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Craig Casner	10:45	6:00		903127		7.25	<i>Craig Casner</i>
Tim A		5:20		903255		5.75	<i>Tim A</i>
Russell V D		4:00		903230		4.25	<i>Russell V D</i>
David C		8:00		903110	932457	5.25	<i>David C</i>
Tracy W.		5:15		903106		5.50	<i>Tracy W.</i>
Russell A		3:30		Esler		4.75	<i>Russell A</i>

JOB TYPE logstring HOLE SIZE 6 3/4 HOLE DEPTH 1186 CASING SIZE & WEIGHT 4 1/2 - 10.5  
 CASING DEPTH 1180.41 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 11.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 0  
 DISPLACEMENT 18.32 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 1/0 bpm

REMARKS:  
Ran 2 sacks of gel and swept to surface. Installed cement head  
pumped 2 sacks of gel 12' deep and 1 3/4 sacks of cement to  
gel dye to surface. Flushed pump, pumped wire plug to bottom  
set fluid line.

	1180.41	4 1/2 casing
	6	centralizers
921300	2	w casing truck
922900	2	w casing trailer

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903127	7.25 hr	Foreman Pickup	
903255	5.75 hr	Cement Pump Truck	
903230	4.25 hr	Bulk Truck	
1104	127 sk	Portland Cement	
1124		50/50-POZ Blend Cement	
1126	1	OWG Blend Cement 4 1/2 wire plug	
1110	15 sk	Gilsonite	
1107	1 sk	Flo-Seal	
1118	4 sk	Premium Gel	
1215A	1 gal	KCL	
1111B	2 sk	Sodium-Silicate - calcium chloride	
1123	7000 gals	City Water	
903110	5.25 hr	Transport Truck	
932457	5.25 hr	Transport Trailer	
903106	5.50 hr	80 Vac	
4513	1	4 1/2 flo. shop	

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 NOV 13 2006  
 CONSERVATION DIVISION  
 WICHITA, KS

POSTROCK



Current Completion

WELL : Myers, Wayne D 34-1  
FIELD : Cherokee Basin  
STATE : Kansas  
COUNTY : Wilson

SPUD DATE : 7/11/2006  
COMP. Date : 7/21/2006  
API: 15-205-26807-00-00

LOCATION: 34-27S-17E (NE,NE)  
ELEVATION: 1022'

8 5/8" 20 lb @ 22' Cement w/4 sks

**Wellhead/Surface Equipment**

Tree Connection	
Tree	
Tubing Head	
Bradenhead	
Pumping Unit	
Compressor	

**Tubular Detail**

Size	Weight	Grade	Cap(bblft)	Date	Depth
8 5/8"	20 lb			2006	22'
4 1/2"	10.5 lb		.0169	2006	1180'
2 3/8"				2006	1147'

**Downhole Equipment Detail**

**Completion Data**

Original as GAS Well per ACO-1	
1,000 gals 15% HCL	
1,608 bbls water	
31,350 lbs 30/70 sand	

**Perforations**

<u>Original Completion: 4 spf</u>	
705-709	Summit (17)
715-719	Mulky (17)
792-794	Bevier (9)
809-812	Croweburg (13)
843-845	Fleming (9)
897-899	Tebo (9)
932-934	Weir (9)
1115-1117	Riverton (9)

2 3/8" tubing @ 1147'

PBTD @ 1180'

4.5" 10.5 lb @ 1180' Cement w/134 sks

Drilled Depth @ 1186'

PREPARED BY: POSTROCK \_\_\_\_\_

DATE: Oct, 2012 \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

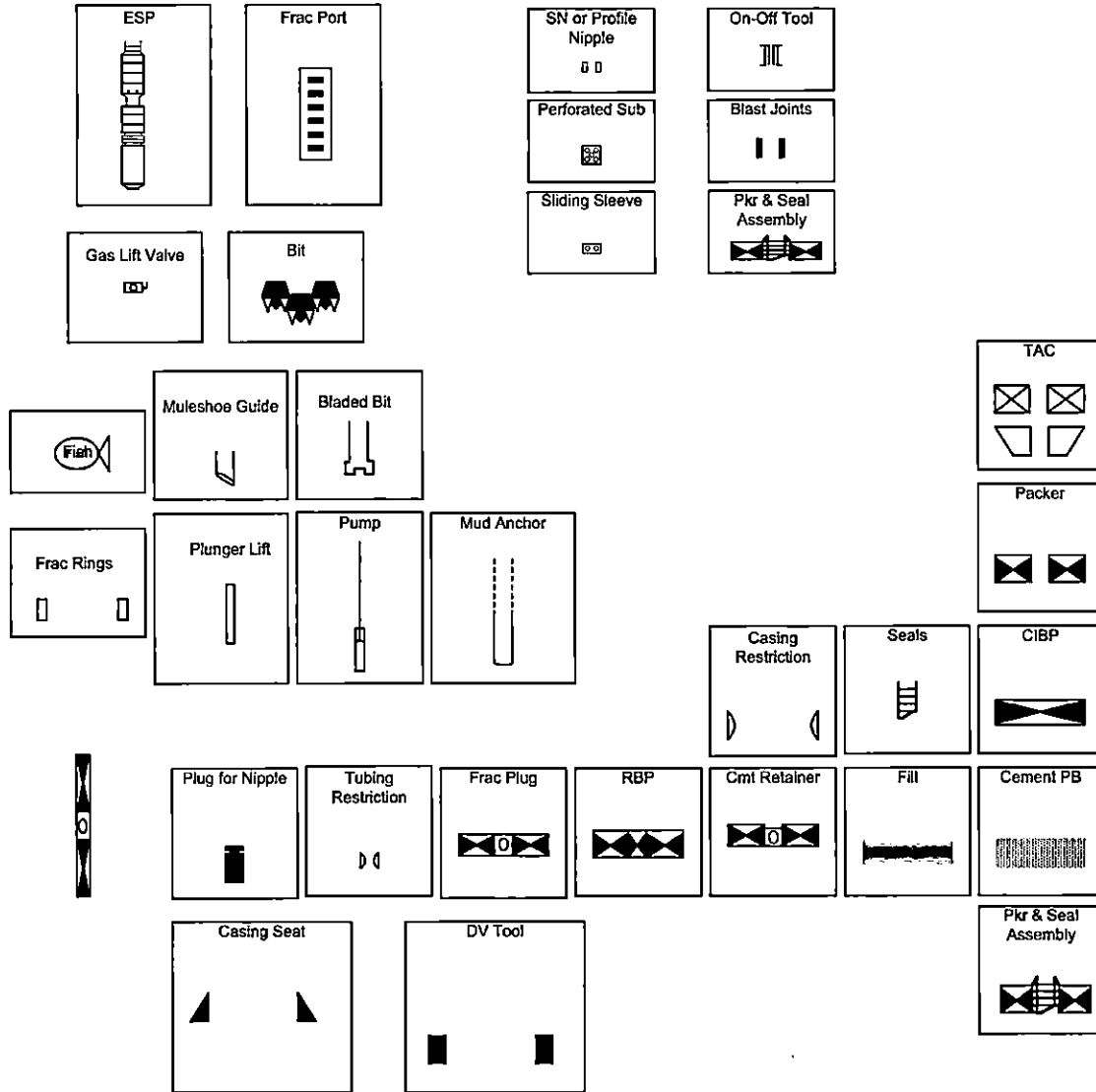
DATE: \_\_\_\_\_

# POSTROCK



## LEGEND

PostRock®



**AFFIDAVIT**

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth 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 (321687)
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
Commencing of Production in the Myers,
Wayne D 34-1 located in Wilson County,
Kansas
TO: All Oil & Gas Producers, Unleased Mineral
Interest Owners, Landowners, and all
persons whomer concerned.
You, and each of you, are hereby notified
that Postrock Midcontinent Production, LLC
has filed an application to commence the
Summit, Mulky, Baylor, Croweburg, Fleming,
Tebb, Withr, Riverton, Squirrel and Barnesville
producing formations at the Myers, Wayne D
34-1, located in the NW SE NE NE, S34-7225-
R17E, Approximately 704 FNL & 638 FEL,
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) 460-7704

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>73</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 Myers, Wayne D 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, Cröweburg, Fleming, Tebo, Weir, Riverton, Squirrel and Barlesville producing formations at the Myers, Wayne D 34-1, located in the NW SE-NE NE, S34-T27S-R17E, Approximately 704 FNL & 638 FEL, 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 palpate 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) 660-7704  
76 1 cpy.

STATE NOTARY PUBLIC  
STATE OF KANSAS

Rita M. Relph  
NOTARY PUBLIC  
State of Kansas  
My Commission Expires

**MYERS, WAYNE D 34-1**

**1 NAME & UPPER & LOWER LIMIT OF EACH PRODUCTION INTERVAL TO BE COMMINGLED**

FORMATION:	<u>TEBO</u>	(PERFS):	<u>897</u> - <u>899</u>
FORMATION:	<u>WEIR</u>	(PERFS):	<u>932</u> - <u>934</u>
FORMATION:	<u>RIVERTON</u>	(PERFS):	<u>1115</u> - <u>1117</u>
FORMATION:	<u>SQUIRREL</u>	(PERFS):	<u>747</u> - <u>755</u>
FORMATION:	<u>BARTLESVILLE</u>	(PERFS):	<u>942</u> - <u>946</u>
FORMATION:	<u>BARTLESVILLE</u>	(PERFS):	<u>953</u> - <u>959</u>
FORMATION:	<u>BARTLESVILLE</u>	(PERFS):	<u>964</u> - <u>969</u>
FORMATION:	<u>BARTLESVILLE</u>	(PERFS):	<u>972</u> - <u>974</u>
FORMATION:	<u>BARTLESVILLE</u>	(PERFS):	<u>980</u> - <u>984</u>
FORMATION:	<u>                    </u>	(PERFS):	<u>          </u> - <u>          </u>
FORMATION:	<u>                    </u>	(PERFS):	<u>          </u> - <u>          </u>
FORMATION:	<u>                    </u>	(PERFS):	<u>          </u> - <u>          </u>

**2 ESTIMATED AMOUNT OF FLUID PRODUCTION TO BE COMMINGLED FROM EACH INTERVAL**

FORMATION:	<u>TEBO</u>	BOPD:	<u>0</u>	MCFPD:	<u>3.5</u>	BWPD:	<u>5.25</u>
FORMATION:	<u>WEIR</u>	BOPD:	<u>0</u>	MCFPD:	<u>3.5</u>	BWPD:	<u>5.25</u>
FORMATION:	<u>RIVERTON</u>	BOPD:	<u>0</u>	MCFPD:	<u>3.5</u>	BWPD:	<u>5.25</u>
FORMATION:	<u>SQUIRREL</u>	BOPD:	<u>0.5</u>	MCFPD:	<u>0</u>	BWPD:	<u>3.33</u>
FORMATION:	<u>BARTLESVILLE</u>	BOPD:	<u>0.5</u>	MCFPD:	<u>0</u>	BWPD:	<u>3.33</u>
FORMATION:	<u>BARTLESVILLE</u>	BOPD:	<u>0.5</u>	MCFPD:	<u>0</u>	BWPD:	<u>3.33</u>
FORMATION:	<u>BARTLESVILLE</u>	BOPD:	<u>0.5</u>	MCFPD:	<u>0</u>	BWPD:	<u>3.33</u>
FORMATION:	<u>BARTLESVILLE</u>	BOPD:	<u>0.5</u>	MCFPD:	<u>0</u>	BWPD:	<u>3.33</u>
FORMATION:	<u>                    0</u>	BOPD:	<u>          </u>	MCFPD:	<u>          </u>	BWPD:	<u>          </u>
FORMATION:	<u>                    0</u>	BOPD:	<u>          </u>	MCFPD:	<u>          </u>	BWPD:	<u>          </u>
FORMATION:	<u>                    0</u>	BOPD:	<u>          </u>	MCFPD:	<u>          </u>	BWPD:	<u>          </u>

**Affidavit of Notice Served**

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

Well Name: MYERS, WAYNE D 34-1 Legal Location: NWSENE S34-T27S-R17E

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.

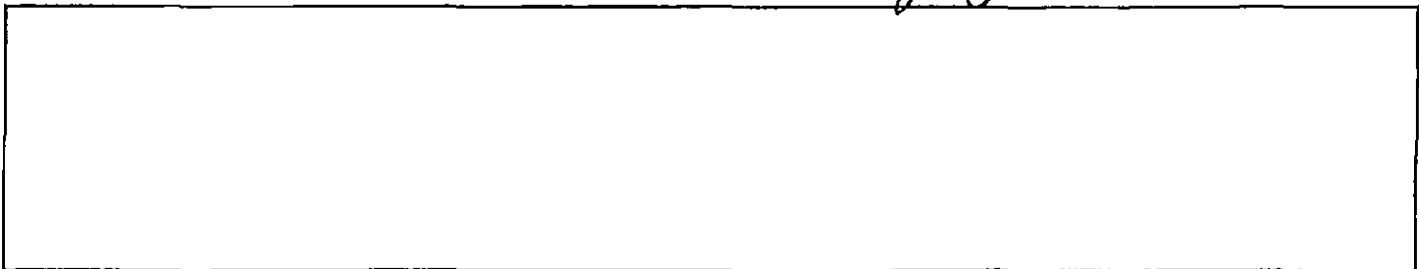
Signed this ~~26TH~~<sup>27th</sup> day of NOVEMBER, 2012

Jess Morris  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this ~~26TH~~<sup>27th</sup> day of NOVEMBER, 2012



Jennifer R. Beal  
Notary Public  
My Commission Expires: July 20, 2014



MYERS, WAYNE D 34-1

LEGAL LOCATION	SPOT	CURR_OPERA
S26-T27S-R17E	NE SW SE SE	N & B Enterprises, Inc. PO Box 812 Chanute, KS 66720



**MYERS, WAYNE D 34-1**

**WILSON**

**27-27S-17E**

**N2 SE4** Michael Dwight Olson Trust  
18676 2000 Rd  
Buffalo, KS 66717

**34-27S-17E**

**Tract in NE4 NW4** Travis Stoldt  
24463 2000 Rd  
Chanute, KS 66720

**NEOSHO**

**26-27S-17E**

**SW4 less** Ash Grove Cement Co.  
PO Box 25900  
Overland Park, KS 66225

**SW4 SW4** Bruce & Jennifer Lee  
1060 200th Rd  
Chanute, KS 66720

**35-27S-17E**

**tract in NW4** Chad & Jeana Anderes  
1035 200th Rd  
Chanute, KS 66720



**MYERS, WAYNE D 34-1**

<b>LEGAL LOCATION</b>	<b>SPOT</b>	<b>CURR_OPERA</b>
S26-T27S-R17E	NE SW SE SE	N & B Enterprises, Inc.

**MYERS, WAYNE D 34-1**

**WILSON**

**27-27S-17E**

**N2 SE4** Michael Dwight Olson Trust  
18676 2000 Rd  
Buffalo, KS 66717

**34-27S-17E**

**Tract in NE4 NW4** Travis Stoldt  
24463 2000 Rd  
Chanute, KS 66720

**NEOSHO**

**26-27S-17E**

**SW4 less** Ash Grove Cement Co.  
PO Box 25900  
Overland Park, KS 66225

**SW4 SW4** Bruce & Jennifer Lee  
1060 200th Rd  
Chanute, KS 66720

**35-27S-17E**

**tract in NW4** Chad & Jeana Anderes  
1035 200th Rd  
Chanute, KS 66720

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 CO121201  
Myers, Waynd D. 34-1, Sec. 34-T27S-R17E, Wilson County  
API No. 15-205-26807-00-00

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 CO121201 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