



KANSAS CORPORATION COMMISSION 1089880  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF **Commingling ID # CO081231**  
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 - 15-205-26672-00-00  
Spot Description: \_\_\_\_\_  
NE SW NE SE Sec. 10 Twp. 28 S. R. 16  East  West  
1945 Feet from  North /  South Line of Section  
668 Feet from  East /  West Line of Section  
County: Wilson  
Lease Name: WING LIVING TRUST Well #: 10-3

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: SUMMIT (Perfs): 853-857  
Formation: MULKY (Perfs): 867-871  
Formation: BEVIER (Perfs): 933-935  
Formation: CROWEBURG (Perfs): 951-954  
Formation: FLEMING (Perfs): 987-989

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: SUMMIT BOPD: 0 MCFPD: 2.71 BWPD: 6.28  
Formation: MULKY BOPD: 0 MCFPD: 2.71 BWPD: 6.28  
Formation: BEVIER BOPD: 0 MCFPD: 2.71 BWPD: 6.28  
Formation: CROWEBURG BOPD: 0 MCFPD: 2.71 BWPD: 6.28  
Formation: FLEMING BOPD: 0 MCFPD: 2.71 BWPD: 6.28

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:**

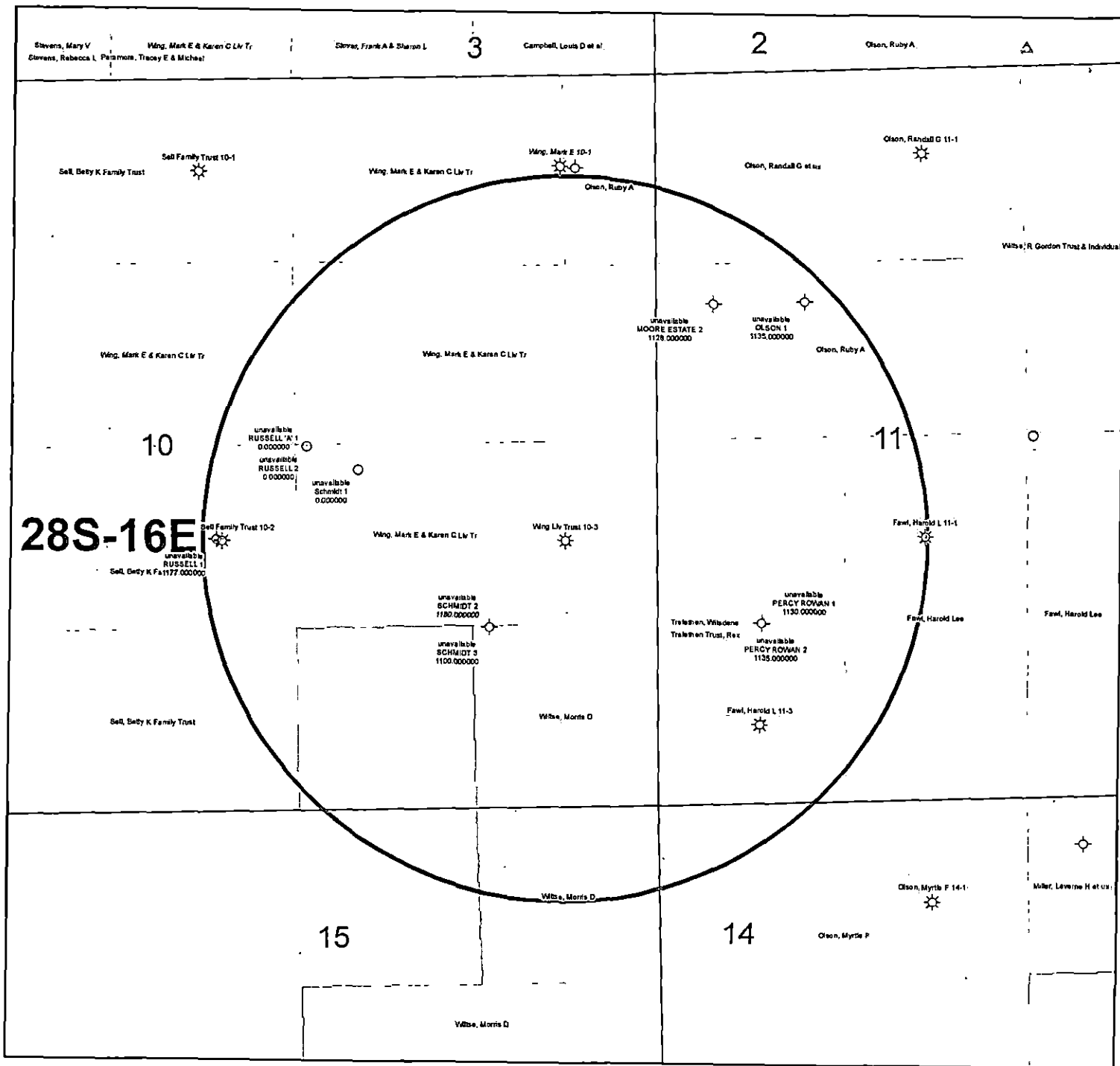
7. Well construction diagram of subject well.
8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**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>9/8/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>09/11/2012</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

Wing Liv Trust 10-3  
 10-28S-16E  
 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 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: Cell H28 is				
4	Sample ID							STP calc. pH.				
5	Date	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012		Cells H35-38 are used in mixed brines calculations.				
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock					
7	Well Name	Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith	Clinesmith					
8	Location	#34-1	#4-1	#5-4	#1	#2						
9	Field	CBM	CBM	Bariles	Bariles	Bariles						
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)	St/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	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	Hemihydrate			
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)			
									Calcite	NTMP		
35	Choose one option to calculate SI?	1-CO <sub>2</sub> +Alk 1-pH+Alk 2-CO <sub>2</sub> +pH	0	0	0	0	0	0				
36	Gas/day(thousand cf/day)	(Mc/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)			
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) †	(N)										
51	OH <sup>-</sup> (Strong base) †	(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)			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	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

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

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: Show Me Drilling  
License: 33746  
Wellsite Geologist: Ken Recco  
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. \_\_\_\_\_  
6/2/06 6/5/06 6/13/06  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 205-26672-00-00  
County: Wilson  
\_\_\_\_\_ ne se Sec. 10 Twp. 28 S. R. 16  East  West  
1980 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: Wing Living Trust Well #: 10-3  
Field Name: Cherokee Basin CBM  
Producing Formation: Multiple  
Elevation: Ground: 1052 Kelly Bushing: n/a  
Total Depth: 1350 Plug Back Total Depth: 1339  
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 1339  
feet depth to surface w/ 124 sx cmt.

Drilling Fluid Management Plan *act II KGR 3/18/08*  
(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: 9/28/06  
Subscribed and sworn to before me this 28<sup>th</sup> day of September,  
2006.  
Notary Public: Denise V. Vennemman  
Date Commission Expires: 7-1-08

DENISE V. VENNEMAN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 7-1-08

KCC Office Use ONLY  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**SEP 29 2006**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Quest Cherokee, LLC Lease Name: Wing Living Trust Well #: 10-3  
 Sec. 10 Twp. 28 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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

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

List All E. Logs Run:

Dual Induction Log  
 Compensated Density/Neutron Log  
 Gamma Ray CCL

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#	1339	"A"	124	

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	1244-1246	200gal 15% HCL w/ 40 bbls 2% acid water, 2500bbls water w/ 2% KCL, Biocides, 3000# 20/40 sand	1244-1246
4	1099-1103/987-989/951-954/933-935	400gal 15% HCL w/ 50 bbls 2% acid water, 7000bbls water w/ 2% KCL, Biocides, 15000# 20/40 sand	1099-1103/987-909 951-954/933-935
4	867-871/853-857	400gal 15% HCL w/ 65 bbls 2% acid water, 6000bbls water w/ 2% KCL, Biocides, 12100# 20/40 sand	867-871/853-857

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1285	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumard Production, SWD or Enhr.	Producing Method			
8/28/06	<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	0mcf	20bbls	

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

TICKET NUMBER 1544

FIELD TICKET REF #

FOREMAN *Craig / Joe*

TREATMENT REPORT  
& FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
June 8 2006	Fossil Herald L 11-2	11	28	16	Wilson

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
<i>Craig</i>	6:30	11:30		903388		5	<i>[Signature]</i>
Joe B.	7:00					1.5	<i>[Signature]</i>
Tim A.	6:30			903255		5	<i>[Signature]</i>
Robert W.	7:00			903230		4.5	<i>[Signature]</i>
David C.	6:15			903139	932452	5.25	<i>[Signature]</i>
Larry M.	7:00			931420		4.50	<i>[Signature]</i>
Buclet H.	6:30			extra		5	<i>[Signature]</i>

JOB TYPE *long* HOLE SIZE *6 3/4* HOLE DEPTH *1* CASING SIZE & WEIGHT *4 1/2 x 12.5*  
 CASING DEPTH *1* DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT *1.75* SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING *0*  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE *4.0 bpm*

REMARKS:  
*Ran 2 sacks of gel and swept to surface. Installed cement head, pumped 2 sacks of gel, 15 barrels of dye and 125 sacks of cement to get dye to surface. Flushed pump, pumped upper plug to bottom set float shoe. Drillers total depth drilled was off by 10 feet.*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	1388.10	<i>R 4 1/2 casing</i>	
	6	<i>centalizers</i>	
931300	1.75	<i>hr casing tractor</i>	
607253	1.75	<i>hr casing tractor</i>	
	1	<i>w/c casing clamp</i>	
	1	<i>weld on collar 4 1/2"</i>	
903388	4.5	<i>hr Foreman Pickup</i>	
903255	5	<i>hr Cement Pump Truck</i>	
903506	4.5	<i>hr Bulk Truck</i>	
1104	118	<i>sv Portland Cement</i>	
1124	2	<i>50/50 POZ Blend Cement Baggies 5 1/2 x 8"</i>	
1126	1	<i>GWG Blend Cement 4 1/2 hr upper plug</i>	
1110	12	<i>sr Gilsomite</i>	
1107	1	<i>sr Flo-Seal</i>	
1118	4	<i>sr Premium Gel</i>	
1215A	1	<i>gel KCL</i>	
1111B	2	<i>Sodium Silicate calcium chloride</i>	
1123	7000	<i>gals City Water</i>	
903139	5.25	<i>hr Transport Truck</i>	
932452	5.25	<i>hr Transport Trailer</i>	
931420	4.5	<i>hr 80 Vac</i>	
Ravin 4513	1	<i>4 1/2 float shoe</i>	

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 SEP 29 2006  
 CONSERVATION DIVISION  
 WICHITA, KS

# QUEST

Resource Corporation

DATE: 6/5/06

Data from Driller's Log

Show Me Drilling

WELL NAME:	Wing Living Trust	SECTION:	10	REPORT #:	7	SPUD DATE:	6/2/2006
WELL #:	10-3	TRIP:	285	DEPTH:	1350		
FIELD:	Cherokee Basin	RANGE:	16E	FEET:			
COUNTY:	Wilson	ELEVATION:	11052	FOOTAGE:	1920	FT. FROM	South
STATE:	Kansas	API #:	15-205-26672-00-00		660	FT. FROM	East
							NE SE

**ACTIVITY DESCRIPTION:**

Show Me Drilling, Wayne Johnson, drilled to TD 1350 ft. on 6/5/06.

GASSHOWS:	Gas Measured	COMMENTS:
Mulberry Coal	0 mcf/day @ 748-751 FT.	Gas check at 700 ft. No flow.
Lexington Shale and Coal	0 mcf/day @ 781-783 FT.	GCS. Gas check at 800 ft.
Summit Shale & Coal	0 mcf/day @ 860-863 FT.	GCS. Gas check at 850 ft.
Mulky Shale & Coal	0 mcf/day @ 870-873 FT.	
Bevier Coal	0 mcf/day @ 930-932 FT.	
Vendry's Limestone	0 mcf/day @ FT. *	
Crowsbury Coal & Shale	0 mcf/day @ 960-961 FT.	GCS. Gas check at 980 ft.
Flowing Coal	0 mcf/day @ 990-993 FT.	GCS. Gas check at 1050 ft.
Weir Coal	0 mcf/day @ 1108-1110 FT.	GCS. Gas check at 1100 ft.
Bartlesville Sand	0 mcf/day @ FT. *	
Rowe Coal	0 mcf/day @ 1234-1239 FT.	GCS. Gas check at 1220 ft.
Neutral Coal	0 mcf/day @ 1241-1243 FT.	GCS. Gas check at 1250 ft.
Upper Riveron Coal	0 mcf/day @ 1255-1258 FT.	
Lower Riveron Coal	0 mcf/day @ 1261-1263 FT.	
Mississippi	0 mcf/day @ Top at 1263 FT.	GCS. Gas check at 1280 ft.
TD: 1350 ft.	0 mcf/day @	GCS. Gas check at TD 1350 ft.

Notes: \* Asterisk denotes Zones not identifiable from Driller's handwritten Notes.  
 Note: Water cycling into the hole from zones drilled affects Drilling and Gas Tests, and these Wells may require a booster to reach target TD.  
 It should also be noted that in these Wells the water can "kill" the Gas, causing the appearance of much lower Gas Tests in deeper Zones.

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

Surface Casing @ 22" O"

Surface Casing Size: 8 5/8"

**OTHER COMMENTS:**

Information in this report was taken directly from the Driller's hand written notes. All depths and surface checks reflect what the driller recorded during drilling activities. Below Zones frj only.

Stray Shale / Coal	545-547
Stray Shale / Coal	608-612
Stray Shale / Coal	640-643
Stray Shale / Coal	660-663
Stray Shale / Coal	695-697
Pawnee LS / Pink	760-781
Stray Shale / Coal	825-826
Dawogo Limestone	826-860

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

On Site Representative: Ken Rzevy, Senior Geologist, CPG #4630      Cell: (320) 305-9203      krcovy@qrcp.net  
 End of Drilling Report. Thank You!

RECEIVED  
 KANSAS CORPORATION COMMISSION

MAR 12 2008

CONSERVATION DIVISION  
 WICHITA, KS



POSTROCK



### Current Completion

WELL : Wing Liv Trust 10-3  
 FIELD : Cherokee Basin  
 STATE : Kansas  
 COUNTY : Wilson

SPUD DATE : 6/2/2006  
 COMP. DATE : 6/13/2006  
 API: 15-205-26672-00-00

LOCATION: 10-28S-16E (NE,SE)  
 ELEVATION: 1052'

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(bbl/ft)	Date	Depth
8 5/8"	20 lb			2006	22'
4 1/2"	10.5 lb		.0159	2006	1339'
2 3/8"				2006	1285'

#### Downhole Equipment Detail

#### Completion Data

Original as GAS Well per ACO-1	
1,000 gals 15% HCL	
1,515 bbls water	
30,100 lbs 20/40 sand	

#### Perforations

Original Completion:	
853-857 Summit (17)	
867-871 Mulky (17)	
933-935 Bevier (9)	
951-954 Croweburg (9)	
987-889 Fleming (9)	
1099-1103 Weir (17)	
1244-1246 Riverton (9)	

2 3/8" tubing @ 1285'

4.5" 10.5 lb @ 1339' Cement w/124 sks

PBTD @ 1339'

Drilled Depth @ 1350'

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

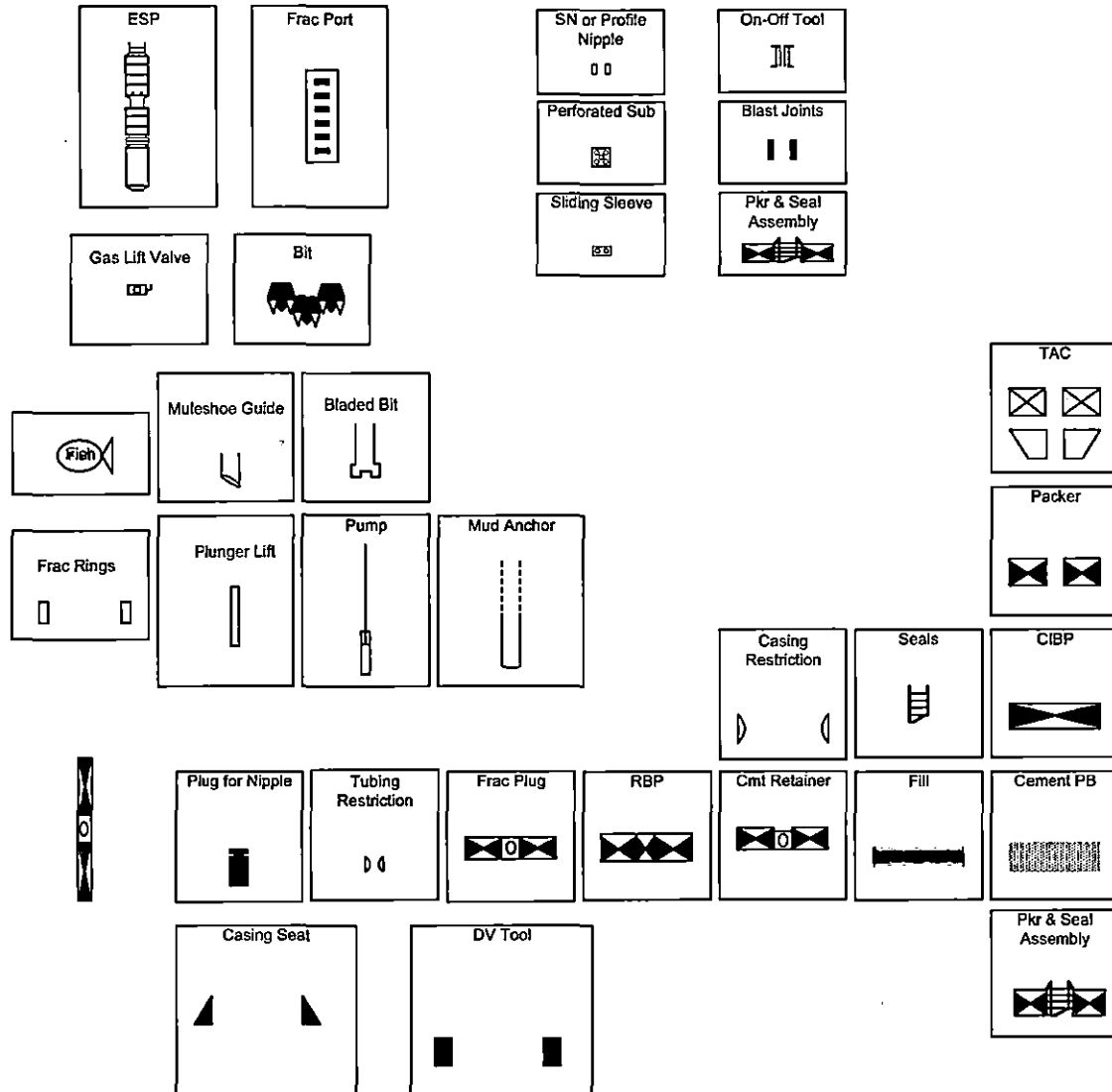
DATE: July, 2012 \_\_\_\_\_  
 DATE: \_\_\_\_\_

# 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 17th of

August 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

17th day of August, 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 : \$139.60

**LEGAL PUBLICATION**  
Published in The Wichita Eagle  
August 17, 2012 (3201731)  
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 Wind  
Living Trust 10-3 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 commence the  
Summit, Milky, Beaver, Crowbeurg, Flamingo,  
Wells, Riverton and Bartlesville producing  
formations of the Wind Living Trust 10-3,  
located in the NE/4SW/4 Sec. 510, T28S-R16E,  
Approximately 1945 FSL & 668 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 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) 640-7700  
**A COPY OF THE AFFIDAVIT OF PUBLICATION  
MUST ACCOMPANY ALL APPLICATIONS**

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 16th day of August, 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: \$ 3773

(Signed) Joseph S. Relph

Subscribed and sworn to before me, this 17th day of August, 2012

Rita M. Relph (Notary Public)

My commission expires Aug. 30, 2014

(Published in the Wilson County Citizen on Thursday, August 16, 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 Wing Living Trust 10-3 located in Wilson County, Kansas.

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

You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to commingle the Summit, Mulky, Bower, Crowburg, Fleming, Wear, Riverton and Bartlesville producing formations at the Wing Living Trust 10-3 located in the NESWNESE S10-T28S-R16E, Approximately 1945 FSL & 668 FEEL, 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, this 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  
52 1 cpy.

Rel  
8/23/12  
mm





**Affidavit of Notice Served**

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

Well Name: WING LIVING TRUST 10-3 Legal Location: NESWNESE S10-T28S-R16E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 24<sup>th</sup> of AUGUST, 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)
MAX MARPLE & ELAINE MARPLE	17421 US HWY, ALTOONA, KS 66710

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.

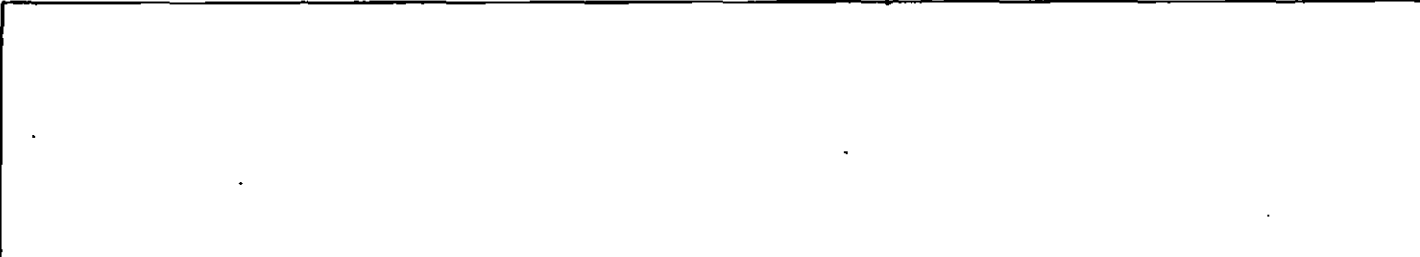
Signed this 24<sup>th</sup> day of AUGUST, 2012

[Signature]  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 24<sup>th</sup> day of AUGUST, 2012



[Signature]  
Notary Public  
My Commission Expires: July 20, 2016





**WING LIVING TRUST 10-3**

**10-28S-16E**

per OR dtd 2.23.07

**SW4SE4**

Max Marple and Elaine Marple  
17421 US HWY  
Altoona, KS 66710

**15-28S-16E**

per OR dtd 2.23.07

**NW4NE4**

Max Marple and Elaine Marple  
17421 US HWY  
Altoona, KS 66710



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

Sam Brownback, Governor

September 11, 2012

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

RE: Approved Commingling CO081231  
Wing Living Trust 10-3, Sec. 10-T28S-R16E, Wilson County  
API No. 15-205-26672-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on August 27, 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 CO081231 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