



KANSAS CORPORATION COMMISSION 1097680  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID #* **CO121207**  
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 - 15-205-26538-00-00  
Spot Description: \_\_\_\_\_  
SE NW NE NW Sec. 26 Twp. 28 S. R. 16  East  West  
631 Feet from  North /  South Line of Section  
1926 Feet from  East /  West Line of Section  
County: Wilson  
Lease Name: TRICHLER WAYNE A Well #: 26-1

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: BARTLESVILLE (Perfs): 932-933  
Formation: SUMMIT (Perfs): 653-657  
Formation: MULKY (Perfs): 668-672  
Formation: CROWEBURG (Perfs): 754-757  
Formation: FLEMING (Perfs): 792-794

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: BARTLESVILLE BOPD: 0 MCFPD: 4.71 BWPD: 2.86  
Formation: SUMMIT BOPD: 0 MCFPD: 4.71 BWPD: 2.86  
Formation: MULKY BOPD: 0 MCFPD: 4.71 BWPD: 2.86  
Formation: CROWEBURG BOPD: 0 MCFPD: 4.71 BWPD: 2.86  
Formation: FLEMING BOPD: 0 MCFPD: 4.71 BWPD: 2.86

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			
2	Parameters	Units	Input	Input	Input	Input	Input					Click
3	Select the brines	Select fluid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed brine:				Click
4	Sample ID	by checking						Cell H28 is				Click
5	Date	(the box(es),	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.				Click
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				Click
8	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines				Click
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)	SISR (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	Si <sup>2+</sup>	(mg/l)						0.00	Barite			
15	Ba <sup>2+</sup>	(mg/l)						0.00	Halite			
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	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)			
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	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>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>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 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							

## 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					
	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	Mixed Brine
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

ORIGINAL

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: Show Me Drilling  
License: 33746

Wellsite Geologist: Ken Re coy  
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. \_\_\_\_\_

5/1/06	5/2/06	5/15/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-26538-00-00  
County: Wilson  
\_\_\_\_\_ ne nw Sec. 26 Twp. 28 S. R. 16  East  West  
660 feet from S /  (circle one) Line of Section  
1980 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Trichler, Wayne A. Well #: 26-1

Field Name: Cherokee Basin CBM  
Producing Formation: Bartlesville  
Elevation: Ground: 890 Kelly Bushing: n/a  
Total Depth: 1120 Plug Back Total Depth: 1112.68  
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 1112.68  
feet depth to surface w/ 140 68 sx cmt

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

Alt 2 - Dlg - 11/24/08

**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: 8/29/06

Subscribed and sworn to before me this 29 day of August,  
2006.

Notary Public: Verona Klau man  
Date Commission Expires: 8-4-2010

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

**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 JIC Distribution

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**AUG 30 2006**  
CONSERVATION DIVISION  
WICHITA, KS

✓

ORIGINAL

Side Two

Operator Name: Quest Cherokee, LLC

Lease Name: Trichler, Wayne A.

Well #: 26-1

Sec. 26 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)

List All E. Logs Run:

Comp. Density Neutron Log  
Gamma Ray Neutron Log  
Dual Induction Log

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

CASING RECORD  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8"	20#	22	"A"	4	
Production	6-3/4	4-1/2	10.5#	1112.68	"A"	140	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	932-933	200gal 15%HCLw/ 320 bbls 2%kcl water	932-933

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	903.28	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
7/22/06	<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	159.1mcf	36.5bbls		

Disposition of Gas METHOD OF COMPLETION

Production Interval

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

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify)

# SHOW ME DRILLING COMPANY

LOG SHEET Trichler, WAYNE  
 LOCATION # NE - NW 26-28-16E

Well NO #  
26-1

FROM	TO	NOTES
0	10	Clay
10	17	Weathered Shale
17	35	Shale
35	37	lime water
37	120	Shale
120	138	lime
138	220	Shale
220	365	lime
365	490	Shale
490	493	Coal
493	499	lime
499	510	Shale
510	512	Coal
512	516	lime
516	540	Shale
540	555	<del>Coal</del> lime
555	558	Coal
558	588	lime
588	590	Coal
590	595	lime
595	597	Coal
597	605	Shale
605	608	Coal
608	620	Shale
620	642	lime
642	645	Coal
645	655	Shale
655	660	Coal & shale
660	710	Shale
710	712	Coal
712	784	lime

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JAN 10 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

# SHOW ME DRILLING COMPANY

LOG SHEET Trichler, Wayne  
 LOCATION # NE-NW 26-28-16-E

Well No #  
26-1

FROM	TO	NOTES
784	788	Shale
788	791	Coal
791	805	Shale
805	807	Coal
807	825	Shale
825	828	Coal
828	850	Shale
850	852	Coal
852	875	Shale
875	880	Coal
880	900	Shale
900	903	Coal
903	930	Shale
930	932	Coal Big Gas
932	1065	Shale
1065	1120	Miss lime
	TO	
		NO sample was able to be taken
		Gas Check
		550-0
		600-0
		610-0
		620-0
		740-0
		780-0
		800-0
		820-0
		840-0
		860-0
		930- lots of
		Gas to much
		to check

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**JAN 10 2008**  
 CONSERVATION DIVISION  
 WICHITA KS



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

TICKET NUMBER **1484**

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

FOREMAN Joe

**TREATMENT REPORT  
& FIELD TICKET CEMENT**

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-15-06	Trichter 216-A NE 26-1	26	28	16	WIL

FOREMAN / OPERATOR	TIME IN.	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
<del>CRATO G</del>	<del>7:15</del>					<del>6</del>	<del>Crato</del>
Joe B	7:00	1:15		903388		6.25	Joe B
Tim A	6:30			903255		6.75	Tim A
Robert W	7:00			<del>903206</del>		6.25	Robert W
DAVID C	7:15			903139	932452	6	David C
Jerry H	6:30			903106		6.75	Jerry H
MAVERICK D	6:45			Extra		6.5	Maverick D

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1120 CASING SIZE & WEIGHT 4 1/2 10.5  
 CASING DEPTH 112.68 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 17.74 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS:

ran 2 SKS prem gel swept to surface. Installed cement head ran 2 SKS gel followed by 12 bbl dye & 150 SKS of cement to get dye to surface. Flush pump. Pump wiper plug to bottom & set float shoe

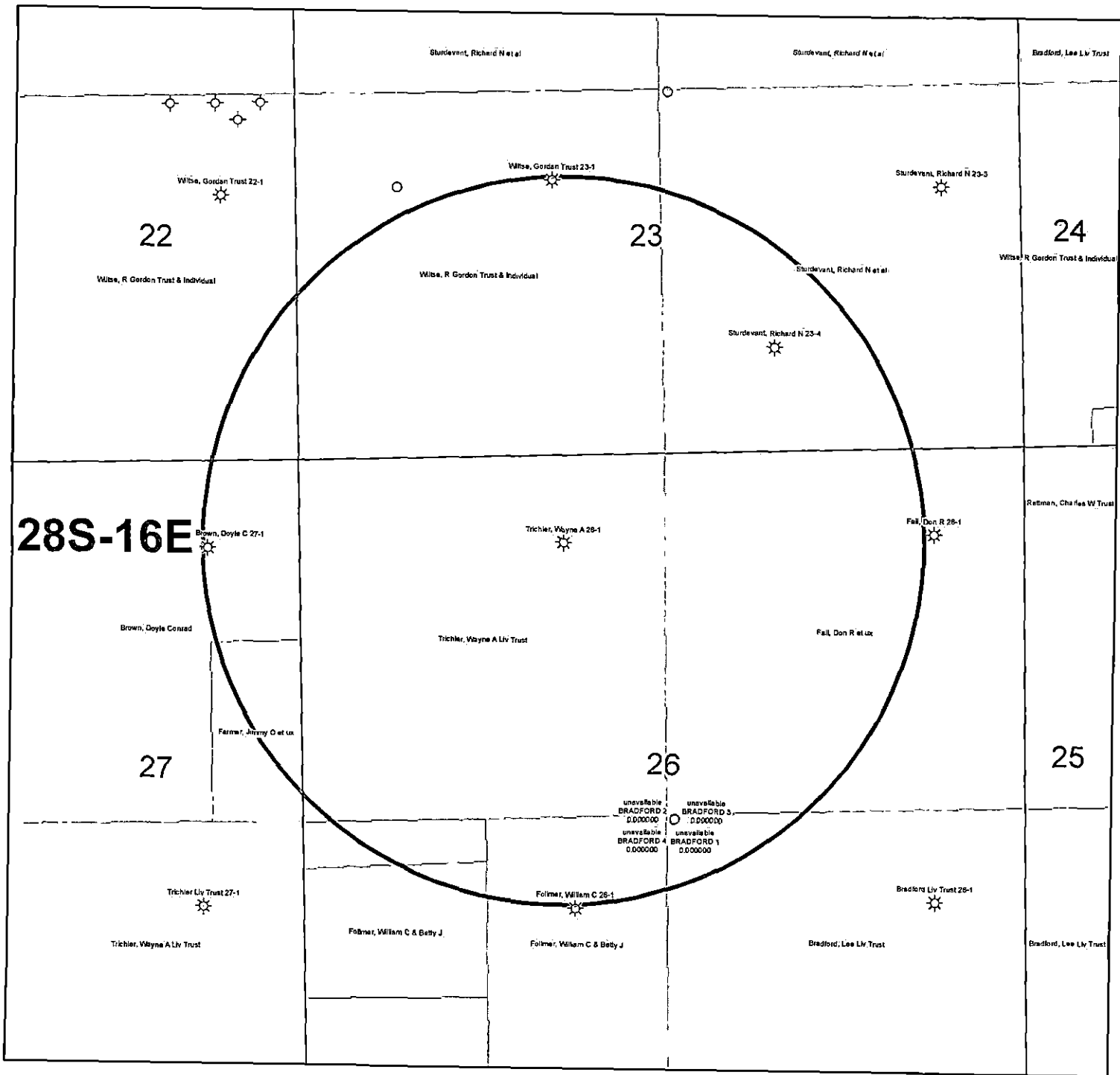
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	112.68	Fl 4 1/2 casing	
	@4	Centralizers	
931300	3 hr	Casing tractor	
607210	3 hr	Casing trailer	
903388	6.25 hr	Foreman Pickup	
903255	6.75 hr	Cement Pump Truck	
903206	6.25 hr	Bulk Truck	
1104	140 SK	Portland Cement	
1124		50/50 POZ Blend Cement	
1126	1	<del>OWC Blend Cement</del> 4 1/2" wiper	
1110	15 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	4 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	<del>Sodium Silicate</del> calchride	
1123	7000 gal	City Water	
903139	6 hr	Transport Truck	
932452	6 hr	Transport Trailer	
903106	6.75 hr	80 Vac	
	1	4 1/2" float shoe	

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 30 2006

CONSERVATION DIVISION  
WICHITA, KS





**28S-16E**

- KGS STATUS**
- ◇ DA/PA
  - ⊙ EOR
  - ☼ GAS
  - △ INJ/SWD
  - OIL
  - ★ OIL/GAS
  - OTHER

Trichler, Wayne A 26-1  
 26-28S-16E  
 1" = 1,000'

POSTROCK



Current Completion

WELL : Trichler, Wayne A 26-1  
FIELD : Cherokee Basin  
STATE : Kansas  
COUNTY : Wilson

SPUD DATE : 5/1/2006  
COMP. Date : 5/15/2006  
API: 15-205-26538-00-00

LOCATION: 26-28S-16E (NE,NW)  
ELEVATION: 890'

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

2 3/8" tubing @ 903'

4.5" 10.5 lb @ 1112' Cement w/140 sks

PBTD @ 1112'

Drilled Depth @ 1120'

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	1112'
2 3/8"				2006	903'

Downhole Equipment Detail


Completion Data

Original as GAS Well per ACO-1	
200 gals 15% HCL	Recomplete: 3/24/10
320 bbls water	-800 gals 15%
	-1,084 bbls
	-10,490 lbs 20/40

Perforations

Original Completion: 932-933 Bartlesville (5)
Recompletion: 3/24/10 653-657 Summit 668-672 Mulky 754-757 Croweburg 792-794 Fleming 830-832 Fleming 854-856 Tebo

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

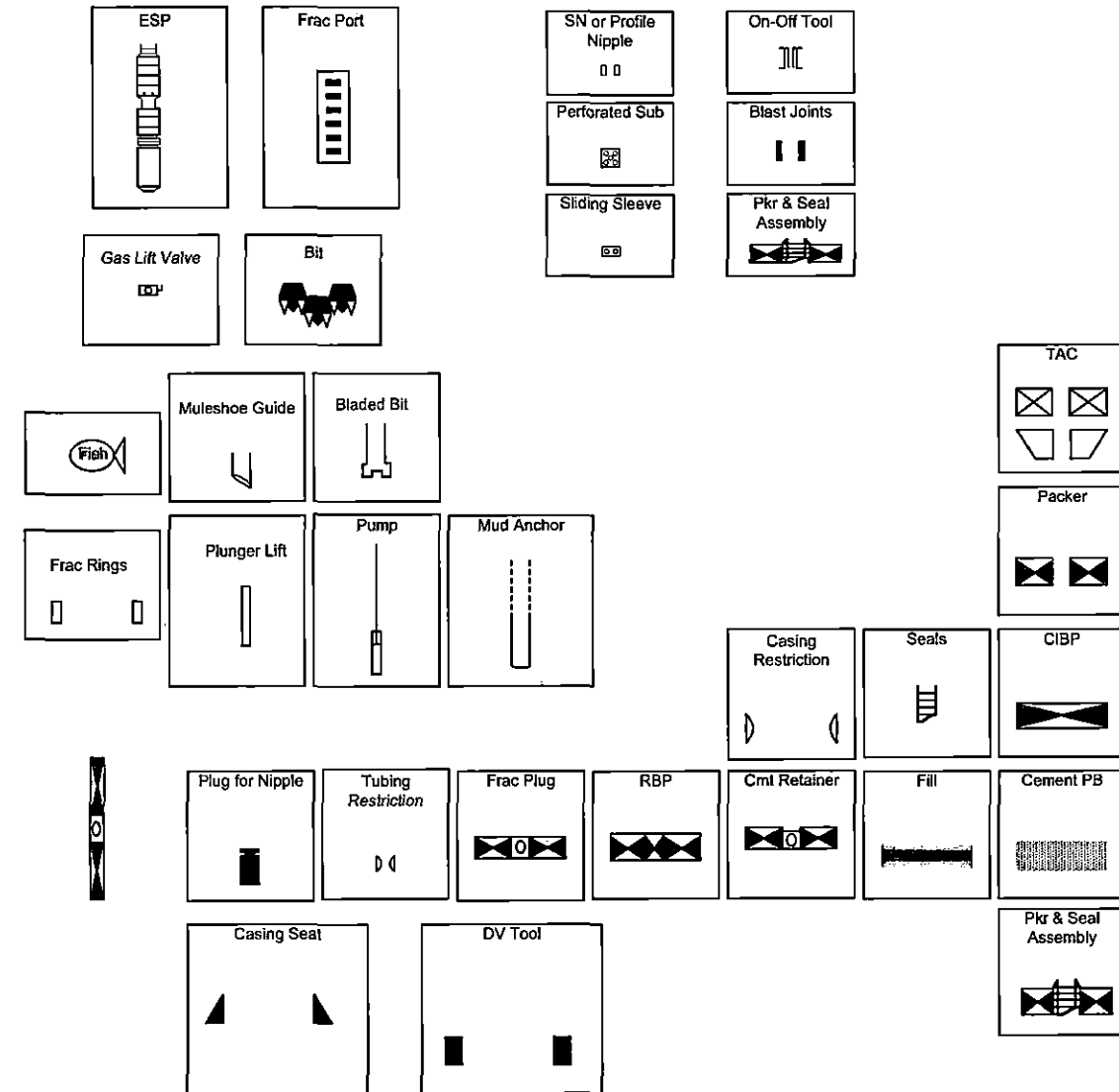
DATE: Oct, 2012  
DATE: \_\_\_\_\_

# 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 9th of

November A.D. 2012, with

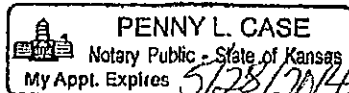
subsequent publications being made on the following dates:

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 Sedgwick County, Kansas

Printer's Fee : \$132.40

**LEGAL PUBLICATION**  
PUBLISHED IN THE WICHITA EAGLE  
NOVEMBER 9, 2012 (3216880)  
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 Commencement of Production in the Trichey, Wayne A 24-1 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 commence the Summit, Mucky, Crowhurst, Fleming, Tebo and Bartlesville producing formations of the Trichey, Wayne A 24-1, located in the SE NW NE NW, S26-T24S-R10E, Approximately 631 ENL & 1926 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 deplete 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 2250  
Oklahoma City, Oklahoma 73102  
(405) 640-7704

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 Trichler, Wayne A 26-1 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, Crowburg, Fleming, Tubo and Bartlesville producing formations at the Trichler, Wayne A 26-1 located in the SE, NW, NE, NW, S26-T26S-R16E, Approximately 631 FNL & 1926 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 2760  
Oklahoma City, Oklahoma 73102  
(405) 660-7704  
761 cpy.





TRICHLER, WAYNE A 26-1-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

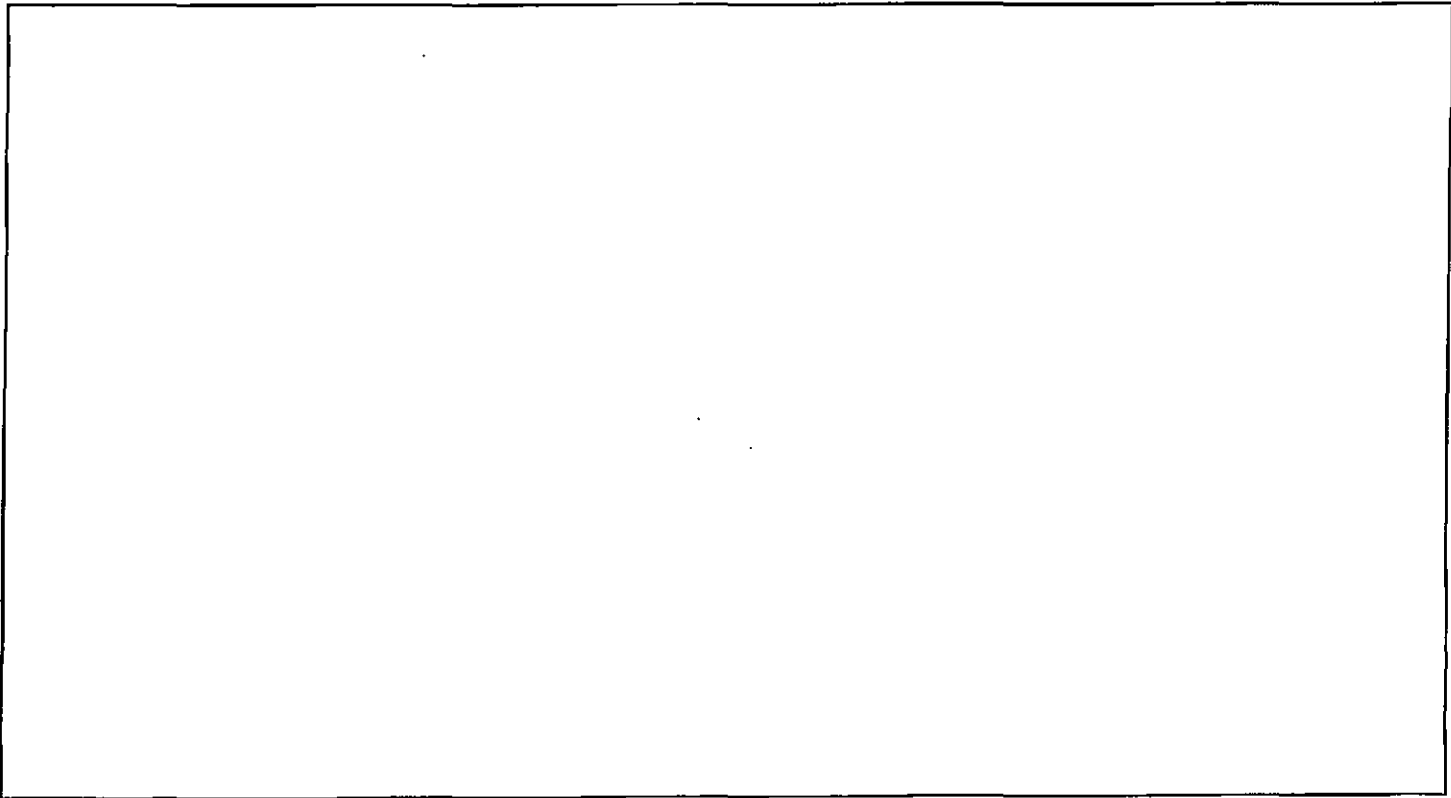
Subscribed and sworn before me this 27<sup>th</sup> day of NOVEMBER, 2012



*Jennifer R. Beal*

Notary Public

My Commission Expires: July 20, 2016



TRICHLER, WAYNE A 26-1



**26-28S-16E**

Tract in NW SW    Floyd Arthur & Margaret Jeanne Russell  
14465 Scott Rd  
Altoona, KS 66710



**Affidavit of Notice Served**

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

Well Name: TRICHLER, WAYNE A 26-1 Legal Location: SENWNEW S26-T28S-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.

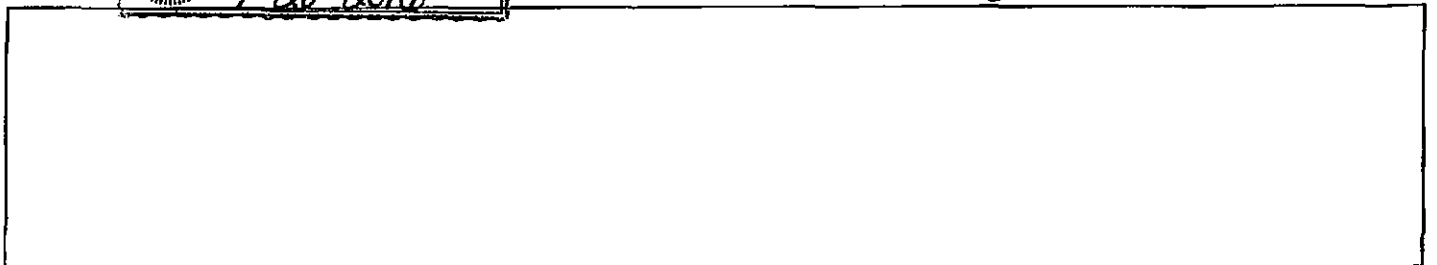
Signed this ~~26TH~~<sup>27TH</sup> day of NOVEMBER, 2012

Jess 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: July 20, 2016



**TRICHLER, WAYNE A 26-1**

**26-28S-16E**

**Tract in NW SW**      **Floyd Arthur & Margaret Jeanne Russell**  
14465 Scott Rd  
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  
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 CO121207  
Trichler, Wayne A. 26-1, Sec. 26-T28S-R16E, Wilson County  
API No. 15-205-26538-00-00

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 Bartlesville 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 CO121207 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