KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1095472

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # CO121209

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 - 15-133-26399-00-00
Spot Description: _____
SW NE NE SE Sec. 14 Twp. 28 S. R. 18 ☑ East ☐ West
2002 Feet from ☐ North / ☑ South Line of Section
550 Feet from ☑ East / ☐ West Line of Section
County: Neosho
Lease Name: BLASCHKE BARBARA Well #: 14-1

☑ 1. Name and upper and lower limit of each production interval to be commingled:

Formation:	SUMMIT	(Perfs):	554-558
Formation:	MULKY	(Perfs):	565-569
Formation:	BEVIER	(Perfs):	649-651
Formation:	CROWEBURG	(Perfs):	673-676
Formation:	FLEMING	(Perfs):	712-714

☑ 2. Estimated amount of fluid production to be commingled from each interval:

Formation:	SUMMIT	BOPD:	0	MCFPD:	2.33	BWPD:	.56
Formation:	MULKY	BOPD:	0	MCFPD:	2.33	BWPD:	.56
Formation:	BEVIER	BOPD:	0	MCFPD:	2.33	BWPD:	.56
Formation:	CROWEBURG	BOPD:	0	MCFPD:	2.33	BWPD:	.56
Formation:	FLEMING	BOPD:	0	MCFPD:	2.33	BWPD:	.56

☑ 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.

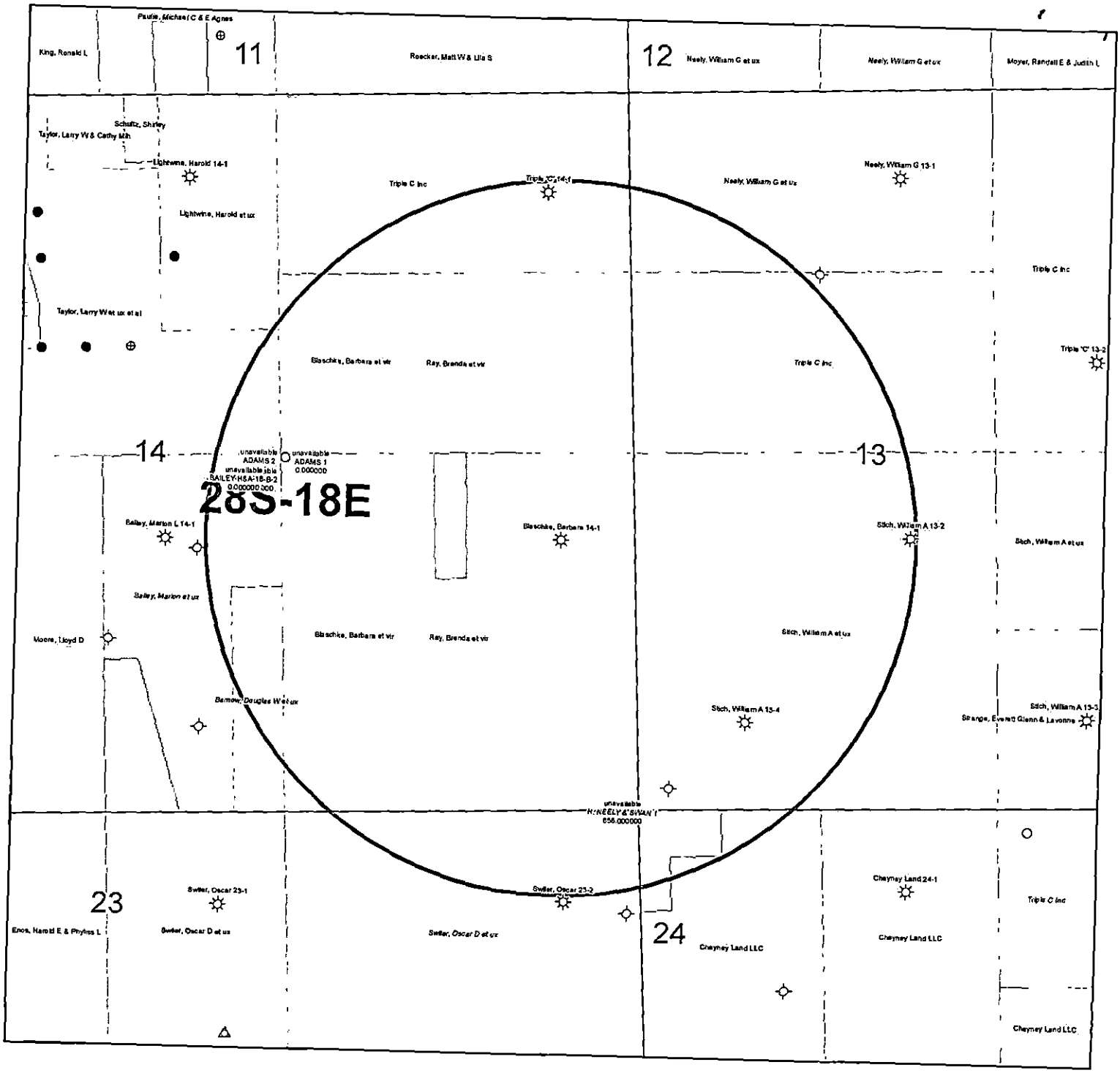
AFFIDAVIT: I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

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.

Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



KGS STATUS

- DA/PA
- EOR
- GAS
- INJ/SWD
- OIL
- OIL/GAS
- OTHER

Blaschke, Barbara 14-1
14-28S-18E
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		Click
2	Parameters	Units	Input	Input	Input	Input	Input				
3	Select the brines	Select fluid	☐	☐	☐	☐	☐	Mixed brine:			Click
4	Sample ID	by checking						Cell H28 is			
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	Goal Seek SSP		
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			
9	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.			
10	Na^+	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	SI/SR (Final-Initial)
11	K^+ (if not known =0)	(mg/l)						0.00	Saturation Index values		
12	Mg^{2+}	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	Calcite		
13	Ca^{2+}	(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^{2+}	(mg/l)						0.00	Barite		
15	Ba^{2+}	(mg/l)						0.00			
16	Fe^{2+}	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Halite		
17	Zn^{2+}	(mg/l)						0.00	-1.77	-1.80	-0.03
18	Pb^{2+}	(mg/l)						0.00	Gypsum		
19	Cl^-	(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_4^{2-}	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemihydrate		
21	F^-	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br^-	(mg/l)						0.00	Anhydrite		
23	SiO2	(mg/l) SiO2						0.00	-3.47	-3.36	0.12
24	HCO3 Alkalinity**	(mg/l as HCO3)	190.00	234.00	259.00	268.00	254.00	241.03	Celestite		
25	CO3 Alkalinity	(mg/l as CO3)									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH3						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H3BO3						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_2 Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16			
32	H_2S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
33	Total H2Saq	(mgH2S/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-CO2%+Alk, 1-pH+Alk, 2-CO2%+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/°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^+ (Strong acid) †	(N)									
51	OH^- (Strong base) †	(N)									
52	Quality Control Checks at STP:										
53	H_2S Gas	(%)									
54	Total H2Saq (STP)	(mgH2S/l)									
55	pH Calculated	(pH)									
56	PCO2 Calculated	(%)									
57	Alkalinity Caclulated	(mg/l) as HCO3									
58	ΣCations=	(equiv./l)									
59	ΣAnions=	(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^3	100	ft^3	3,531	
65	If No, inhibitor # is:	4	#	4	DTPMP	m^3	100	bbl(42 US gal)	629	
66	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074	
67	1st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194	
68	% of 1st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193	
69	2nd inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238	
70	Display act. coefs?	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

	Ratio					
Component (mg/L)	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_2 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

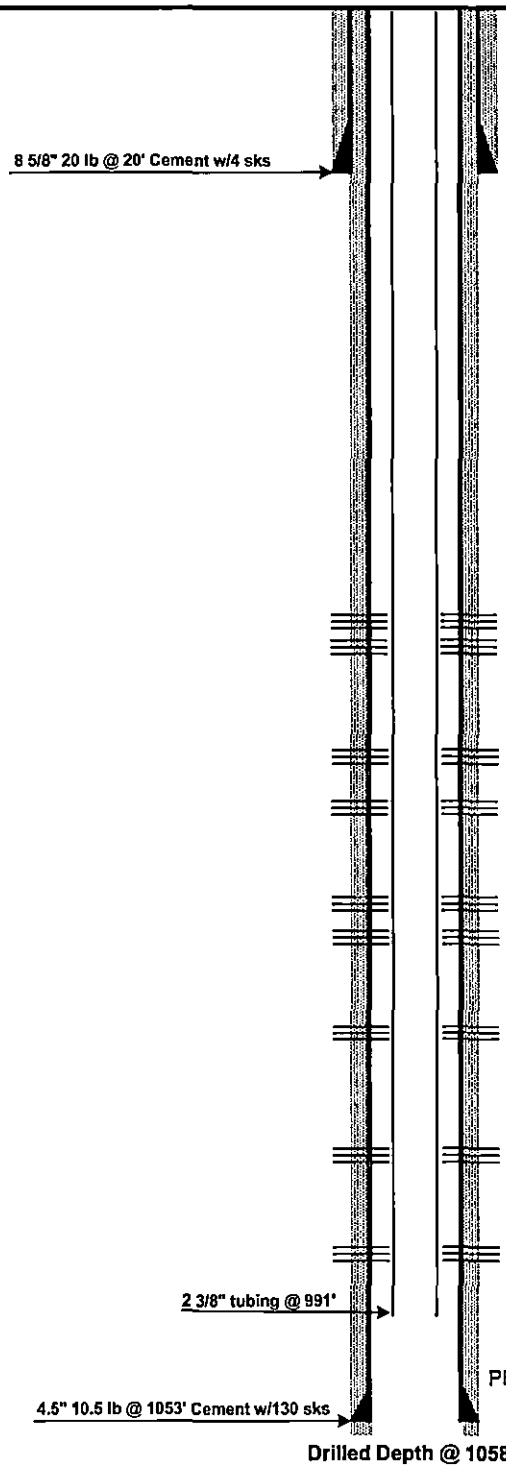
Calcite	N/A	N/A	N/A	N/A	N/A	N/A
Gypsum	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite	N/A	N/A	N/A	N/A	N/A	N/A
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

POSTROCK	PostRock	Current Completion

WELL : Blaschke, Barbara 14-1
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Neosho

SPUD DATE : 2/23/2006
COMP. Date : 3/16/2006
API: 15-133-26399-00-00

LOCATION: 14-28S-18E (NE,SE)
ELEVATION: 940'



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	20'
4 ½"	10.5 lb		.0159	2006	1053'
2 3/8"				2006	991'

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1

1,300 gals 15% HCL
1,645 bbls water
36,700 lbs 30/70 sand

Perforations

Original Completion: 4 spf
554-558 Summit (17)
565-569 Mulky (17)
649-651 Bevier (9)
673-676 Croweburg (13)
712-714 Fleming (9)
727-729 Fleming (9)
817-819 Weir (9)
917-919 Rowe/Neutral (9)
974-977 Riverton (13)

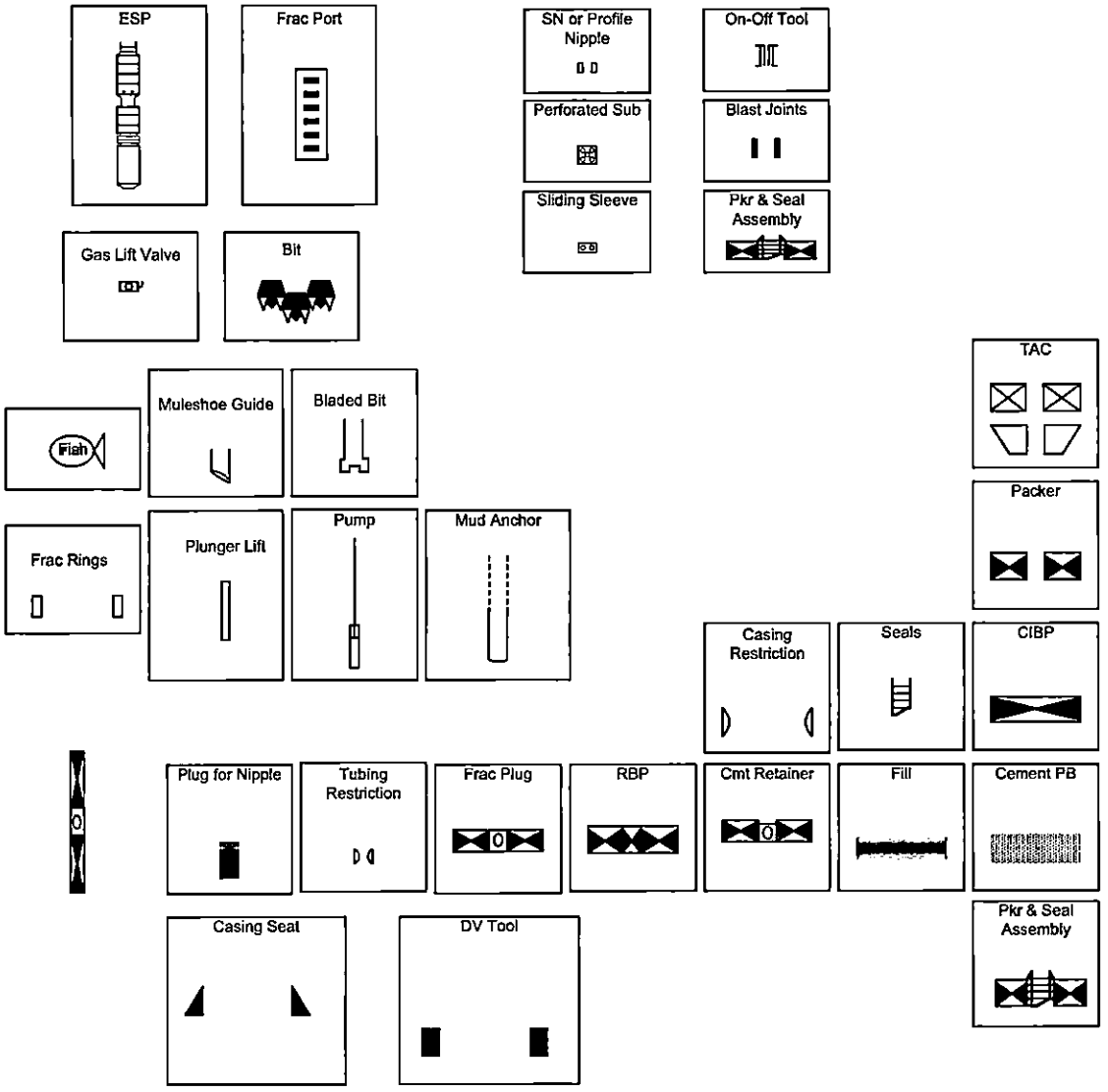
PREPARED BY: POSTROCK DATE: Sept, 2012

APPROVED BY: _____ DATE: _____

POSTROCK

PostRock

LEGEND



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: Gary Laswell
Phone: (620) 431-9500
Contractor: Name: Michael Drilling, LLC
License: 33783
Wellsite Geologist: Ken Recoy
Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ 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.

2/23/06	2/27/06	3/16/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26399-00-00
County: Neosho
__ - __ - ne - se Sec. 14 Twp. 28 S. R. 18 ☑ 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: Blaschke, Barbara Well #: 14-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 940 Kelly Bushing: n/a
Total Depth: 1058 Plug Back Total Depth: 1053.80
Amount of Surface Pipe Set and Cemented at 20.2 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from 1053.80
feet depth to surface w/ 130 sx cmt.
AH2-Dlg - 11-10-08

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.:

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 23 2006
CONSERVATION DIVISION
WICHITA, KS

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:
Title: Head of Operations Date: 6/22/06
Subscribed and sworn to before me this 22nd day of June,
20 06.
Notary Public: Jennifer R. Ammann
Date Commission Expires: July 30, 2009

JENNIFER R. AMMANN
Notary Public - State of Kansas
My Appt. Expires 7-30-09

KCC Office Use ONLY
N Letter of Confidentiality Received
If Denied, Yes ☐ Date:
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: Blaschke, Barbara Well #: 14-1

Sec. 14 Twp. 28 S. R. 18 ☑ East ☐ West County: Neosho

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run (Submit Copy)	☑ Yes	☐ No

List All E. Logs Run:

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

☑ 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#	20.2	"A"	4	
Production	6-3/4"	4-1/2	10.5#	1053.8	"A"	130	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	974-977/917-919/817-819/727/729/712-714/673-676	400gal 15% HCL w/ 41 bbls 2% kcl water, 460bbls water w/ 2% KCL, Blocide 7500# 30/70 sand	974-977/917-919
4	649-651/565-569/554-558	500gal 15% HCL w/ 45 bbls 2% kcl water, 625bbls water w/ 2% KCL, Blocide 10000# 30/70 sand	817-819/727-729
			712-714/673-676
			649-651
		400gal 15% HCL w/ 54 bbls 2% kcl water, 560bbls water w/ 2% KCL, Blocide 12000# 30/70 sand	565-569/554-558

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	991	n/a	☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
4/17/06	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	23.3mcf	26.4bbls		

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) _____

39

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: 02/25/06
Lease: Blaschke, Barbara
County: Neosho
Well#: 14-1
API#: 15-133-26399-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
0-14	Overburden	382-411	Shale
14-20	Lime	411-416	Sand
20-35	Shale	416-440	Shale
35-102	Lime	440-441	Coal
102-104	Shale	441-448	Lime
104-107	Black Shale and Water	448-449	Coal
107-114	Lime	449-488	Lime
114-140	Sand	488-511	Black Shale
140-153	Sandy Shale	511-520	Sand
153-170	Lime	520-532	Shale
170-180	Shale	532-550	Lime
180-191	Lime	542	Gas Test (12" at 1/4 Choke)
191-204	Shale	550-554	Shale
204-280	Lime	554-557	Black Shale
280-282	Shale	557-559	Shale
282-285	Black Shale	559-565	Lime
285-287	Shale	560	Gas Test (12" at 1/4 Choke)
287-289	Lime	565-567	Black Shale and Coal
289-320	Sand and Shale	567-622	Shale
320-322	Coal	582	Gas Test (12" at 1/4 Choke)
322-342	Lime	622-624	Lime
342-355	Shale and Lime	624-649	Shale
355-363	Lime	649-650	Coal
363-382	Lime and Shale	650-6663	Shale

40

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: 02/25/06
Lease: Blaschke, Barbara
County: Neosho
Well#: 14-1
API#: 15-133-26399-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
663-664	Coal	1058	TD
664-669	Shale		
669-670	Lime		
670-671	Coal		
671-676	Shale		
676-682	Sand		
682-699	Shale		
699-700	Coal		
700-715	Shale		
715-716	Coal		
716-727	Shale		
727-735	Coal		
735-746	Sand		
746-916	Shale		
916-917	Coal		
917-921	Shale		
921-922	Coal		
922-972	Shale		
958	Gas Test (50" at 1/4 Choke)		
972-975	Coal		
975-981	Shale		
977	Gas Test (50" at 1/4 Choke)		
981-1058	Mississippi Lime		
1040	Gas Test (50" at 1/4 Choke)		

QUEST
Resource Corporation

DATE: 02/27/2006

Data from Driller's Log **Michael Drilling Rig #2.**

WELL NAME:	Blaschke, Barbara	SECTION:	14	REPORT #:		SPUD DATE:	2/23/2006	
WELL #:	14-1	TWP:	28S	DEPTH:	1058			
FIELD:	Cherokee Basin	RANGE:	18E	PBTD:				
COUNTY:	Neosho	ELEVATION:	940	FOOTAGE	1980	FT FROM	South	LINE
STATE:	Kansas	API #:	15-133-26399-00-00		660	FT FROM	East	LINE
							NE SE	

ACTIVITY DESCRIPTION:

Michael Drilling, Duane Martin drilled to TD 1058 ft. on 02/24/2006.

GAS SHOWS:	Gas Measurement	Zone Footages	Net Gas / Comments
Mulberry Coal	0 mcf/day @	448-449 FT.	
Lexington Shale & Coal	6 mcf/day @	FT. *	6 mcf/day from this area. Gas Test at 542 ft.
Summit Shale & Coal	6 mcf/day @	554-557 FT.	GCS. Gas Test at 560 ft.
Mulky Shale & Coal	6 mcf/day @	565-567 FT.	GCS. Gas Test at 582 ft.
Bevier Coal	6 mcf/day @	FT. *	
Verdigris Limestone	6 mcf/day @	FT. *	
Croweburg Shale & Coal	6 mcf/day @	649-650 FT.	
Fleming Coal	6 mcf/day @	663-664 FT.	
Weir Coal	6 mcf/day @	727-735 FT.	
Bartlesville Sand	6 mcf/day @	735-747 FT.	
Rowe Coal	6 mcf/day @	916-917 FT.	
Neutral Coal	12 mcf/day @	921-922 FT.	6 mcf/day from this area. Gas Test at 958 ft.
Riverton Coal	12 mcf/day @	972-975 FT.	GCS. Gas Test at 977 ft.
Mississippi	12 mcf/day @	Top at 981 FT.	GCS. Gas Test at 1040 ft.

TD: 1058 ft.

* Zone not identifiable from Driller's hand written notes.

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

Surface Casing @ 20.3 ft.

Surface Casing Size: 8 5/8"

OTHER COMMENTS: Information in this Report was taken directly from the Driller's hand written notes. All depths & orifice checks reflect what the driller recorded during drilling activities. Zones listed below are fyi only.

Pawnee Limestone 449-488

Oswego Limestone 532-550

Mineral Coal 670-671

Scammon Coal 699-700

Tebo Coal 715-716

If the Zone above has no footages listed, the Zone was not identifiable from the Driller's Notes.

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KANSAS CORPORATION COMMISSION
JUN 2 3 2006
CONSERVATION DIVISION
WICHITA, KS

CASING RECOMMENDATIONS: Run casing / Cement to surface

End of Geologic / Drilling Report. Thank You!

On Site Representative: Ken Recoy, Senior Geologist, CPG #4630 (620) 305-9203 Cell. KRecoy@qrep.net

QUEST
Resource Corporation

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

TICKET NUMBER 1425
FIELD TICKET REF # _____
FOREMAN Joe

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-16-06	Blaschke Barbara 14-1	14	28	18	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe. D	7:00	10:30		903388		3.5	Joe Blanchard
T.M. A	6:45			903877		3.75	
Russell. A	6:00			903103		4.5	
David C	7:00			903296	932452	3.5	David Allamong
Jeff. M	7:00			903106		3.5	Jeff Mitchell
Maverick. D	7:00			extra		3.5	

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1058 CASING SIZE & WEIGHT 4½ 10.5
CASING DEPTH 1053.80 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
DISPLACEMENT 16.80 DISPLACEMENT PSI _____ MIX PSI _____ RATE 3.8 bpm

REMARKS:
Ran 2 sks prem Swept to surface. Installed cement head Ran 2 sk premgel & 11 bbl dye at 140 sks of cement to get dye to surface. Flush pump. Pumped wiper plug to bottom & set float shoe.

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KANSAS CORPORATION COMMISSION
JUN 23 2006
CONSERVATION DIVISION
WICHITA, KS

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	1053.80	Ft 4½" Casing	
	4	Centralizers	
	1	4½" weld on collar	
931300	2 hr	Casing tractor	
0 T53	2 hr	Casing trailer	
903388	3.5 hr	Foreman Pickup	
903877	3.75 hr	Cement Pump Truck	
903103	4.5 hr	Bulk Truck	
1104	136 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement- Baffles 3½" & 3"	
1126	1	OWC - Blend Cement 4½ wiper Plug	
1110	14 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	4 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate Calchloride	
1123	7000 gal	City Water	
903296	3.5 hr	Transport Truck	
932452	3.5 hr	Transport Trailer	
903106	3.5 hr	80 Vac	
Ravin 4513	1	4½" Float shoe	

BLASCHKE, BARBARA 14-1

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

FORMATION:	FLEMING	(PERFS):	727	-	729
FORMATION:	WIER	(PERFS):	817	-	819
FORMATION:	ROWE/NEUTRAL	(PERFS):	917	-	919
FORMATION:	RIVERTON	(PERFS):	974	-	977
FORMATION:	CATTLEMAN	(PERFS):	739	-	745
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	

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

FORMATION:	FLEMING	BOPD:	0	MCFPD:	2.33	BWPD:	0.56
FORMATION:	WIER	BOPD:	0	MCFPD:	2.33	BWPD:	0.56
FORMATION:	ROWE/NEUTRAL	BOPD:	0	MCFPD:	2.33	BWPD:	0.56
FORMATION:	RIVERTON	BOPD:	0	MCFPD:	2.33	BWPD:	0.56
FORMATION:	CATTLEMAN	BOPD:	3	MCFPD:	0	BWPD:	20
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	

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 **Blaschke, Barbara 14-1** located in **Neosho** County, Kansas.

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

You, and each of you, are hereby notified that **Postrock Midcontinent Production, LLC** has filed an application to commingle the **Summit, Mulky, Bevier, Croweburg, Fleming, Weir, Rowe/Neutral, Riverton and Cattleman** producing formations at the **Blaschke, Barbara 14-1,** located in the **SW NE NE SE, S14-T28S-R18E, Approximately 2002 FSL & 550 FEL, Neosho** 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) 660-7704

A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS

Affidavit of Publication

STATE OF KANSAS, NEOSHO COUNTY, ss:
Rhonda Howerter, being first duly sworn,
deposes and says: That *she* is *Classified Manager*
of *THE CHANUTE TRIBUNE,* a daily newspaper printed in the State of Kansas, and published in and of general circulation in Neosho County, Kansas, with a general paid circulation on a daily basis in Neosho County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a daily published at least weekly 50 times a year: has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Chanute, in said county as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for 1 ~~consecutive~~ time, the first publication thereof being made as aforesaid on the 10 day of October
2012, with subsequent publications being made on the following dates:

_____, 2012 _____, 2012

_____, 2012 _____, 2012

Rhonda Howerter

Subscribed and sworn to and before me this _____
10 day of October, 2012

_____
Notary Public

My commission expires: January 9, 2015

Printer's Fee	$ 71.17
Affidavit, Notary's Fee	$ 3.00
Additional Copies	$
Total Publication Fees	$ 74.17

SHANNA L. GUIOT
Notary Public - State of Kansas
My Appt. Expires 1-9-15

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 **11th** of

October 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

11th day of October, 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 : **$134.80**

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
OCTOBER 11, 2012 (3211697)
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 Blaschke, Barbara 14-1 located in Neosho County, Kansas.

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

You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to comminale the Summit, Mulky, Bevier, Croweburg, Fleming, Weir, Rowe/Neutral, Riverton and Cattleman producing formations at the Blaschke, Barbara 14-1, located in the SW NE NE SE, S14-T28S-R18E, Approximately 2002 FSL & 550 FEL, Neosho 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) 660-7704

Affidavit of Notice Served

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

Well Name: BLASCHKE, BARBARA 14-1 Legal Location: SWNENESE S14-T28S-R18E

The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day ~~20TH~~ 27th 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 CHANUTE TRIBUNE, the official county publication of NEOSHO county. A copy of the affidavit of this publication is attached.

Signed this ~~20TH~~ 27th day of NOVEMBER, 2012

Applicant or Duly Authorized Agent

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

Notary Public

My Commission Expires: July 20, 2016

OFFICIAL SEAL
JENNIFER R. BEAL
MY COMMISSION EXPIRES
7-20-2016

BLASCHKE, BARBARA 14-1

14-28S-18E

trct in SE4 James A & Wilma Westhoff
13450 Gray Rd
Chanute, KS 66720

24-28S-18E

trct in NW4 NW4 Jeffrey R & Charlene M. Meyer
15870 Harper Rd
Chanute, KS 66720

trct in NW4 NW4 Canville Township Trustees
%Umbarger, Phillip
3450 150Th Rd
Chanute, KS 66720

BLASCHKE, BARBARA 14-1-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	

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

Applicant or Duly Authorized Agent

Subscribed and sworn before me this ~~26TH~~ 27th day of NOVEMBER, 2012

OFFICIAL SEAL
JENNIFER R. BEAL
MY COMMISSION EXPIRES
7-20-2016

Notary Public

My Commission Expires: July 20, 2016

BLASCHKE, BARBARA 14-1

14-28S-18E

trct in SE4 James A & Wilma Westhoff
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%Umbarger, Phillip
3450 150Th Rd
Chanute, KS 66720

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

Kansas
Corporation Commission

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

December 12, 2012

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

RE: Approved Commingling CO121209
Blaschke, Barbara 14-1, Sec. 14-T28S-R18E, Neosho County
API No. 15-133-26399-00-00

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 CO121209 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