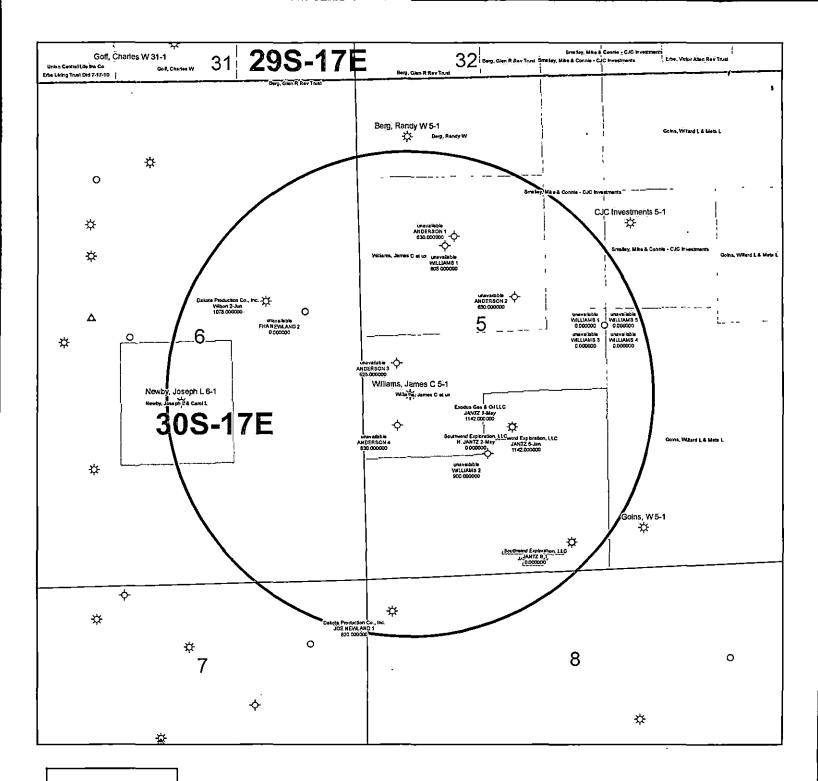


Kansas Corporation Commission Oil & Gas Conservation Division 1086608

Form ACO-4 Form must be typed March 2009

APPLICATION FOR COMMINGLING OF Commingling ID # CO081212 PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Name: PostRock Midcontinent Production LLC Spot Description: SE NN NN SW Sec. 5 Twp. 30 S. R. 17	OPERATOR: License # 33343	API No. 1515-205-25788-00-00				
Address 1: Oklahoma Tower Address 2: 210 Part Ave, Ste 2750 1997 Feet from	Name: PostRock Midcontinent Production LLC					
Address 2: 210 Park Ave, Ste 2750 Cay. OKLAHOMA CITY State OK zip. 73102 + 513 Feet from North / V South Line of Section Cortact Person: CLARK EDWARDS County: Wilson Cortact Person: CLARK EDWARDS County: Wilson Lease Name: WILLIAMS JAMES C Well #: 5-1 1. Name and upper and lower limit of each production interval to be commingled: Pormation: MULKY (Perfs): 629-633 Formation: MULKY (Perfs): 629-633 Formation: RIVERTON (Perfs): 1030-1032 Formation: NEUTRAL (Perfs): 984-986 2. Estimated amount of fluid production to be commingled from each interval: Formation: MULKY BOPD. MCFPD: 2.75 Formation: MULKY BOPD. MCFPD: 2.75 Formation: MULKY BOPD. MCFPD: 2.75 Formation: NEUTRAL BOPD. MCFPD: 2.75 Formatio		·				
CAY. OKLAHOMA CITY State. OK zip. 73102 + 513 Feet from	Address 2: 210 Park Ave, Ste 2750					
Contact Person: CLARK EDWARDS Phone: (820) 432-4200 Lease Name: WILLIAMS JAMES C Well #: 5-1 1. Name and upper and lower limit of each production interval to be commingled: Formation: MULKY Formation: SUMMIT Formation: RIVERTON Formation: NEUTRAL Formation: RIVERTON Formation: RIVERTON Formation: NEUTRAL Ne						
Phone: (620) 432-4200 Lease Name: WILLIAMS JAMES C Well #: 5-1 1. Name and upper and lower limit of each production interval to be commingled: Formation: MULKY Formation: RIVERTON Formation: UPPER RIVERTON Formation: NEUTRAL Formation: MULKY Formation: SUMMIT Formation: SUMMIT Formation: SUMMIT Formation: SUMMIT Formation: NEUTRAL full 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 lease of record or operator. 1. V. 4. Signed certificate showing service of the application and affidevit of publication as required in K.A.R. 82-3-135a. 2. For Commingling of PRODUCTION ONLY, include the following: 1. S. Wireline log of subject well. Previously Filed with ACO-1: 1/2 Yes No 1. Well construction diagram of subject well. 1. S. Any available water chemistry data demonstrating the competibility of the fluids to be comminglied. 3. Submitted Electronically 1. Submi		1849				
1. Name and upper and lower limit of each production interval to be commingled: Formation: MULKY Formation: SUMMIT Formation: RIVERTON Formation: NEUTRAL Formation: NEUTRAL Formation: NEUTRAL Formation: NEUTRAL Formation: MULKY Formation: SUMMIT BOPD: 0 MCFPD: 2.75 BWPD: .625 Formation: SUMMIT BOPD: 0 MCFPD: 2.75 BWPD: .625 Formation: NEUTRAL Fo						
Formation: MULKY Formation: SUMMIT Formation: RIVERTON Formation: UPPER RIVERTON Formation: NEUTRAL (Perfs): 629-633 (Perfs): 1030-1032 (Perfs): 1007-1009 (Perfs)	,					
Formation: SUMMIT Formation: RIVERTON Formation: NEUTRAL 2. Estimated amount of fluid production to be commingled from each interval: Formation: MULKY Formation: MULKY Formation: MULKY Formation: SUMMIT BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: DYPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: WIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: UPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: WIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: WIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: WIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: VIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: VIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: VIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: VIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 Formation: VIPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 FORMATION: VIPPER RIVERTON FORMATION: VIPPER RI	1. Name and upper and lower limit of each production interval to					
Formation: RIVERTON (Perfs): 1030-1032 (Perfs): 1007-1009 (Perfs): 100	Formation: MULKY	(Perfs): 645-651				
Formation: RIVERTON (Perfs): 1030-1032 (Perfs): 1007-1009 (Perfs): 100	Formation: SUMMIT	(Perfs): 629-633				
Formation: NEUTRAL Sestimated amount of fluid production to be commingled from each interval:	Formation: RIVERTON	(Perfs): 1030-1032				
Formation: NEUTRAL Perfs 984-986	Formation: UPPER RIVERTON	(Perfs): 1007-1009				
2. Estimated amount of fluid production to be commingled from each interval: Formation: MULKY Formation: SUMMIT BOPD: 0 MCFPD: 2.75 BWPD: .625 G25 G25 Formation: RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: .625 G25 G25 G25 G25 G25 G25 G25 Formation: NEUTRAL BOPD: 0 MCFPD: 2.75 BWPD: .625 G25 G25 G25 G25 G25 G25 G25 G25 G25 G	NEITRΔI	084_086				
Formation: MULKY Formation: SUMMIT Formation: SUMMIT Formation: RIVERTON Formation: UPPER RIVERTON FOR ONE OF THE STATE OF	Tomaton,	(1 0110).				
Formation: SUMMIT Formation: SUMMIT Formation: SUMMIT Formation: RIVERTON Formation: UPPER RIVERTON FORMACH UPP	2. Estimated amount of fluid production to be commingled from e	ach interval:				
Formation: VERTON Formation: UPPER RIVERTON Formation: UPPER RIVERTON Formation: VPPER RIVERTON BOPD: 0 MCFPD: 2.75 BWPD: 625 FORD: 0 MCFPD: 2.75		BUPU: MICPPU: BVPU:				
Formation: RIVERTON Formation: UPPER RIVERTON Formation: NEUTRAL BOPD: 0 MCFPD: 2.75 BWPD: 6.25 BOPD: 0 MCFPD: 2.75 BWPD: 6.25 BWD	Formation: SUMMIT	BOPD; MCFPD; BVVPD;				
Formation: UPPER RIVERTON Formation: NEUTRAL BOPD: 0 MCFPD: 2.75 BWPD: .625		BOPD: MCFPU: BVVPU:				
Formation: NEUTRAL BOPD: 0 MCPPD: 2.75 BWPD: _625 ### MCPPD: 2.75 BWPD: _625 ### MCPPD: 2.75 ### MCPD: 2.75 ###	Formation: UPPER RIVERTON	0.75				
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:	NEUTRAL					
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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. KCC Office Use Only	8. Any available water chemistry data demonstrating the compati	bility of the fluids to be commingled.				
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mingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application. KCC Office Use Only						
KCC Office Use Only		Submitted Electronically				
in writing and comply with K.A.R. 82-3-135b and must be filed wihin 15 days of publication of the notice of application. 15-Day Periods Ends: 8/29/2012						
in writing and comply with K.A.R. 82-3-135b and must be filed wihin 15 days of publication of the notice of application. 15-Day Periods Ends: 8/29/2012						
☐ Denied	KCC Office Use Only					
15-Day Periods Ends: 8/29/2012						
09/00/2015						
Approved By: KICK Hestermann Date: doi:2012	08/29/2012					



KGS STATUS

- ♦ DA/PA
- ⊕ EOR
- ☆ GAS
- Δ INJ/SWD
- OIL
- **☀** OIL/GAS
- o OTHER

Williams, James C 5-1 5-30S-17E 1" = 1,000'

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

WCLI III O 10	API No. 15 - 205-25788-00-00 ORIGINAL
Operator: License # _33344 Name: Quest Cherokee, LLC Address: P O Box 100 City/State/Zip: Benedict, KS 66714 Purchaser: Bluestem Pipeline, LLC Operator Contact Person: Douglas L. Lamb	API No. 15 - 205-25788-00-00 UNIUNAL
Name: Quest Cherokee, LLC	County: WILSON
Address: P O Box 100	NW_SWSec. 5 Twp. 30 S. R. 17 V East West
City/State/Zip: Benedict, KS 66714	1980 feet from (S) / N (circle one) Line of Section
Purchaser: Bluestern Pipeline, LLC	510 feet from E / (W) (circle one) Line of Section
Operator Contact Person: Douglas L. Lamb	Footages Calculated from Nearest Outside Section Corner:
City/State/Zip: Benedict, KS 66714 Purchaser: Bluestem Pipeline, LLC Operator Contact Person: Douglas L. Lamb Phone: (620) 698-2250 PARTON TLORENZ	(circle one) NE SE NW (SW)
Contractor: Name: BARTON T LORENZ	Lease Name: WILLIAMS, JAMES C Well #: 5-1
License: 33286	Field Name: CHEROKEE BASIN CBM
Wellsite Geologist: MICHAEL EBERS	Producing Formation: SUMMIT AND MULKY
Designate Type of Completion:	Elevation: Ground: 895 Kelly Bushing:
New Well Re-Entry Workover	Total Depth: 1087 Plug Back Total Depth: 1076
OIJ SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21.65' Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1076
Operator:	feet depth to Surface w/ 138 sx cmt.
Well Name:	AITHO VIO
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ALT #2 KGR (Data must be collected from the Reserve Pit) 05/07/07
Deepening Re-perf Conv. to Enhr./SWD	Chloride content ppm Fluid volume bbls
Plug BackPlug Back Total Depth	Dewatering method used
Commingled Docket No	•
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
05-02-2004 05-03-2004 05-11-2004	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R 🗀 East 🗌 West
Recompletion Date Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas 67202, within 120 days of the spud date, recompletion, workover information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. The months if requested in writing and submitted with the form (see rule 82-3-100 and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signature: Longles & Karl	KCC Office Use ONLY
Title: Manager Date: 10/04/04	Letter of Confidentiality Received
Subscribed and sworn to before me this 4th day of OCIONIC	If Denied, Yes Date:
20.04.	Wireline Log Received
Notary Public: Aprily B. Houston	Geologist Report Received UIC Distribution
Date Commission Expires: Quely 30, 2005 Notary Po	ER R. HOUSTON

Side Two

ORIGINAL

Operator Name: Que	est Cherokee, LL	.C	Lease I	Name:_	WILLIAMS, JA	MES C	_ Well #: <u>5-1</u> _	
Sec. 5 Twp. 3	0S. R17		County:	WILS	ON			
tested, time tool oper temperature, fluid red	n and closed, flowing covery, and flow rate	ind base of formations pe g and shut-in pressures, s if gas to surface test, a inal geological well site r	whether shi long with fit	ut-in pre	essure reached s	tatic level, hydro	static pressure	es, bottom hole
Drill Stem Tests Take		Yes No		₽ L	og Formatio	n (Top), Depth a	nd Datum	Sample
Samples Sent to Geo	•	Yes No		Nam	e apah Lime		Top 37'	Datum +524'
Cores Taken		Yes Vo		l	nont Lime		409'	+486'
Electric Log Run		✓ Yes No		Paw	nee Lime		534'	+361'
(Submit Copy)	KA	RECEIVED NSAS CORPORATION COM	Mogran	Osw	ego Lime		605'	+290'
List All E. Logs Run:				Verd	ligris Lime		846'	+49'
DUAL INDUCTION COMP. DENSITY N		OCT 1 5 2004		Miss	sissippi Lime		1037	-142'
		CONSERVATION DIVISION WICHITA, KS	N	_				
		CASING Report all strings set-o		✓ No		on, etc.		
Purpose of String	Size Hole Drilled	Size Casing	Weig	ht	Setting	Type of	# Sacks	Type and Percent
Surface	11	Set (In O.D.) 8-5/8"	24.75#	<u>r.</u>	21.65'	Cement "A"	Used 6	Additives
Production	6 3/4	4-1/2"	10.5#		1076'	"A"	138	
							1	
	<u></u>	ADDITIONAL	CEMENTIN	IG / SQI	JEEZE RECORD			<u> </u>
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	#Sacks	Used		Type and P	ercent Additives	
Plug Back TD Plug Off Zone								
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				
4	629-633				150SX 16/30	SAND 476	BBLS WAT	ER 629-633
4	645-651							645-651
TUBING RECORD	Size 3/8	Set At 697.21'	Packer At		Liner Run]Yes ✓ No		
	d Production, SWD or E			Flowing	Pumpin	 	Othe	er (Explain)
Estimated Production Per 24 Hours	Oil	Bbis. Gas 62.01	Mcf	Wate		~ ~~	as-Oil Ratio	Gravity
Disposition of Gas	METHOD OF C		<u>_</u> _		Production Interv	al		
Vented 📝 Sold (If vented, Su	Used on Lease bmit ACO-18.)	☐ Open Hole ☐ Other <i>(Specil</i>	Perf.		Dually Comp.	Commingled		

	A	В	С	D	E	I F		<u> </u>		J	T ~
1	Produced Fluids #		1	2	3	4		Н_	<u> </u>	<u> </u>	<u> </u>
2	Parameters	Units	Input	Input	Input	Input	Input		Click he	to	Click
3	Select the brines	Select fluid	Ţ,				7_	Mixed brine:	to run St		- 1
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.			
6 7	Operator Well Name	Row 3	PostRock Ward Feed	PostRock Ward Feed	PostRock Clinesmith	PostRock Clinesmith	PostRock Clinesmith	Cells H35-38 are used in			Click
8	Location		#34-1	#4-1	#5-4	#1	#2	are used in mixed brines	Goal Seek	SSP	
	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.	i		Click
10	Na ⁺	(mg/l)*	19,433,00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	1 1
11	K* (if not known =0)	(mg/l)						 	Saturation Index	values	SI/SR (Final-Initial)
_	Mg ²⁺	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995,91		lcite	+
	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
	Sr ²⁺	(mg/l)			2,014.00		1,70,00	0.00	1	arite	+ 0.15
15	Ba ²⁺	(mg/l)					f	0.00		<u> </u>	11
	Fe ²⁺	(mg/l)	40.00	21.00	18.00	82,00	90.00	50.21	14:	ialite	!
17	Zn ²⁺	(mg/l)	40.00		2000		1	0.00	-1.77	-1.80	-0.03
	Pb ²⁺	(mg/l)						0.00			1 -0.03
19	cr	(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		hydrate	0.00
21	F	(mg/l)		1.00	0.00		1,00	0.00	-3.96	-3.90	0.06
22	Br'				-	l	 				0.00
23	SiO2	(mg/l) (mg/l) SiO2				 	 	0,00	-3,47	ydrite -3.36	0.12
-	HCO3 Alkalinity**	(mg/l as HCO3)	190.00	234.00	259.00	36000	254.00			estite	0.12
25	CO3 Alkalinity	(mg/l as rCO3)	470.00	4.00	433.00		254.00	241.03	Çei	LOUIE	
26	Carboxylic acids**	(mg/l)				l		0.00	Inon	Sulfide	
27	Ammonia	(mg/L) NH3						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H3BO3					·	0.00		Sulfide	1 -0.00
29	TDS (Measured)	(mg/l)		-				72781	Zinc.	Sumuc	
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1,050	1,048	1.045	1.047	Calcinn	ı Nuoride	
-	CO2 Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16	Culcium	1	1
32	H ₂ S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Ca	arbonate	t d
33	Total H2Saq	(mgH2S/I)	1,00	1.00	1.00	1.00	0.50	0.90	-0.74	-0.51	0.23
34	pH, measured (STP)	pН	5,67	5.76	5.72	5.54	5.55	5,63		eeded (mg/L)]
	Choose one option	0-CO2%+Alk, 1-nH+Alk.						1	· Calcite	NTMP	i 1
35	to calculate SI?		d	o	0	اه		ľ		1	1 1
36	Gas/day(thousand cf/day)	(Mcf/D)						- 0	0.00	0.00	1 1
	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	ВНРМР	1 1
38	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00] 1
39 40	For mixed brines, enter val Initial T	lues for tempera	tures and pressi	ares in Cells (H	40-H43) 70.0	41.0	49.0	(Enter H40-H43) 60.0	5.69	5.60	-
41	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0		(CentiPoise)	-1 1
42	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1,196	0.826	1 1
43	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capaci	ity (cal/ml/°C)	1 1
44	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	1 1
_	API Oil Gray.	API grav.						30.00		eeded (mg/L)]
	Gas Sp.Grav. MeOH/Day	Sp.Grav.				<u> </u>	ļ	0.60		HDTMP	1
	MEG/Day	(B/D) (B/D)				 	-	0	0.00 Anhydrite	0.00 HDTMP	-
	Conc. Multiplier								0.00	0.00	1
	H* (Strong acid) *	(N)									-
	OH (Strong base) †	(N)									
-	Quality Control Checks at										
	H ₂ S Gas	(%)				<u> </u>					
	Total H2Saq (STP) pH Calculated	(mgH2S/l) (pH)				 					1
56	PCO2 Calculated	(%)									
	Alkalinity Caclulated	(mg/l) as HCO3									l
	ΣCations≃ ΣAnions=	(Rviupa) (Rviupa)									l
	Zanions= Caic TDS=	(mg/l)			l ,	} .	ļ .				J
61	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter	r (From metric	to English)			1
	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
	Have ScaleSoftPitzer			2	ВНРМР	°C.	80	°F	176		
64	pick inhibitor for you?		1-Yes;0-No	3	PAA	m³	100	u3	3,531		
65	If No, inhibitor # is:	4	#	4	DTPMP	m³	100	bbl(42 US gal)	629		
	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
67	1 st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		
68	% of 1 st inhibitor is: 2 nd inhibitor # is:	50	%	7	HEDP	Torr	10,000	psia	193		
69 70	2 inhibitor # is: Display act. coefs?	2 0	# 1-Yes;0-No	8 9	HDTMP Average	Gal Liters	10,000 10,000	bbl(42 US gal)	238 63		
71	populy acc codes	"	1-105,U-[VII	10	Average Mixed	LHETS	10,000	bbl(42 US gal)	0.3		
		,							1		ı

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	_		
]	20%	20%	20%	20%	20	
Component (mg/L)	Brine 1	Brine 2	Brine 3	Brine 4	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



Wellbore Schematic

WELL: Williams, James C 5-1

SSI: 603080

Casing	API: 15-205-25788-00-00 LOCATION: NW SW Sec. 5-30S-17E COUNTY: Wilson STATE: Kansas 8.625" @ 21' 4.5" 10.5# J-55, 4.05" ID w/ 0.0159 bbl/ft capacity @ 1076'		TOC - Surface
Perforations	Original Perfs: 5/20/2004 - Mulky 645-651 (25) - Summit 629-633 (17) OWWO: 4/5/2007 - Riverton 1030-1032 (9) - U. Riverton 1007-1009 (9) - Neutral 984-986 (9) - Rowe 978-980 (9) - Mulky 645-651		8.625" @ 21'
Completions	Spud Date: 5/2/2004 Completion Date: 5/20/2004 Mulky/Summit: - 15000# 16/30 - 476 bbls - 11 bpm OWWO: 4/5/2007 River/U River/ Neu/Rowe: - 6200# 30/70 - 200 gal 15% - 481 bbls - 12 bpm Mulky/Summit: - 200 gal 15% - 301 bbls - 21 bpm	TD-1087'	4.5" 10.5# @ 1076' 138 sks cement

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 19th of

July 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.

Fletchall

Subscribed and sworn to before me this

19th day of July, 2012

PENNY L. CASE Notary Public My Appt. Expires

Notary Public Sedgwick County, Kansas

Printer's Fee: \$132.40

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
JULY 19, 2017 (3196751)
BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSA'S
HOTICE OF FUNS APPLICATION
RE IT: the Mailler, of Pestrack Midsontinent
Production, "LLC Application for
Commingling of Production in the Wilkiams,
James C. 5-1; located in Wilson County,
Könses'
TO: All Oil 8: Gas Producers, Unlessed Mineral
Interest: Opmiss." Landowners, and all

Interest Owners, Lendowners, and all persons whomever concerned.

Your and each of you, are hereby notified that Postrock Mildonninant Production, LLC has filled by a personal personal to a community for Characteristics.

persons enropever concerned.

You, and each of it you, are hereby notified that Postrock Mildcontinent Production, LLC has field an application, to comminate the Reverton, Reprize to the Reverton, Reprize to the Reverton, Upper Reverton, Neutral Rowe, Mulky, Summit and Barthesylle producing formalisms at the Williams, James C.S.; is coaled in this SE NW NW SW, SS-T305-R17E, Approximately, 1977-SL & STS-FW, Wilson Country Kensas.

Any persons who oblected or protest this application of protest this application for the their oblections or protest twith the Conservation Division of life, State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shell be filled pursuant to Commission regulations, and must state appeciate reasons why granting in application may cause waste, violate correlative rights of poliule the natural resources of the State of Kansas.

All persons interested or concerned shall lake indice of the foregoing and shall govern hemselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest, the Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestents will be expected to enter an appearance ether through proper legal counsel or as individuals, appearing on their own bahalf. Postrock Anadement June 1970 Publication Reverted the Conservation Division, of the Kensas Ol and Scaperation of the Production LLC.

210 Perk Avenue, Suite 2750.

Richalman City, Okahomia 13102 (405) 660-7704.

(405) 660-7704 A COPYOFTHE AFFIDAVITOF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS

WILLIAMS, JAMES C 5-1

FORMATION:	ROWE	(PERFS):	978 -	980			
FORMATION:	MULKY		645 -	651			
FORMATION:	SUMMIT	(PERFS):	629 -	633			
FORMATION:	BARTLESVILLE	(PERFS):	754 -	762			
FORMATION:		(PERFS):					
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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 dailv. 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:

- u	177.
1st publication was made on the	//////////////////////////////////////
(fely	V. 20 12
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
<u> </u>	20
5th publication was made on the	day of
	20
6th publication was made on the	day of
	, 20
TOTAL PUBLICATION FEE: \$	3850
(Signed) Joseph Relph	
Subscribed and sworn to before me this	20 Hay of
July	.2012
Rita M. Begu	(Notary Public

My commission expires

Mg. 38, 80

(Published in the Wilson County Citizen on Thursday, July 19, 2012.)

HEFORE THE STATE CORPORATION COmmission of the state of Kansas

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Communiting of Production in the Williams, James C 5-1 located in Wilson 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

Postrock Midcontinent Production LIC has filed an application to commingle the Riverton Upper Riverton Neutral Rowe, Malky, Summit and Bardesville producing formations at the Williams, James C.5.1, located in the SE NW NW SW, S5-TaOS-R17E, Approximately 1997 FSL & 513 KW1, 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 (16) days from the date of Kansas within fifteen (16) 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. specific reasons why granting the application may cause waste, violato correlative rights or pollute the natural resources of the State of Kans

All persons interested or concerned shall take notice of the foregoing and shall govern them-selves accordingly. All person and/or compenses wishing to protest this application are required to file a written protest with the Conservation Divi-sion of the Kansos 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 croused or as individuals appearing on their own behalf.

Postrock Midcontinent Production LLC 210 Park Avenue, Suite 2750 Oklahoma City, Oklahoma 73102 (405) 660-7704 441 cpy

Rita M. Relph NOTARY PUBLIC State of Kansas STATE OF KANSAS | My Commission Expires

L						
Affidavit of Notice Served	<u> </u>					
Re: Application for: APPLICATION FOR COMMINGLIN	NG OF PRODUCTION OR FLUIDS ACO-4					
Well Name: WILLIAMS, JAMES C 5-1	Legal Location: SENWNWSW S5-T30S-R17E					
The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day _k3tk of_AUGUST,						
, 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)					
DAKOTA PRODUCTION CO INC	112 S 5TH ST, PO BOX 350, NEODESHA, KS 66757					
EXODUS GAS & OIL LLC	1701 WALNUT ST, 4TH FL, KANSAS CITY, MO 64108					
SOUTHWIND EXPLORATION LLC	326 SAINT GEORGE CT, VENICE, FL 34293					
SEE ATTACHED						
I further ettest that notice of the filing of this application was published in the	WILSON COUNTY CITIZEN , the official county publication					
of WILSON	county. A copy of the affidavit of this publication is attached.					
Signed this /4th day of AUGUST 2	2012					
*	() Las L Mairis					
7	Applicant or Duly Authorized Agent					
Subscribed and sworn to	before me this, day of _AUGUST, 2012					
JENNIFER R. BEAL OFFICIAL MY COMMISSION EXPIRES	Genner & Deal					
7-20-10	Notary Putitio)					
	My Commission Expires:					
	ļ					
	.					

5-305-17E

SW4

Newby, Joesph & Carroll 3345 80th Rd Thayer KS 66776

Janz, Garold & Sonya 22577 600 Rd Thayer KS 66776

6-30S-17E

NE4

Wilson George & Anita 21623 700 Road Thayer KS 66776 **SE4** Newby, Joesph & Carroll 3345 80th Rd Thayer KS 66776

7-30S-17E

NE4 less tract

Jantz, Harold D & Emma J 5022 Oak Tree Lane Neodesha, KS 66757

Tract in NE/4

Cemetery Star Assoc 6395 Trego Rd Neodesha, KS 66757

8-30S-17E

NW4

Joe & Dana Newland Living Trust 6395 Trego Rd Neodesha KS 66757

WILLIAMS, JAMES C 5-1 - 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 JENNIFER R. BEAL MY COMMISSION EXPIRES My Commission Expires:

WILLIAMS, JAMES C 5-1

AL LOCATION	SPOT	CURR_OPERA
T30S-R17E	WN WN WN WN	Dakota Production Co., Inc.
Г30S-R17E	SW SW SE NE	Dakota Production Co., Inc.
T30S-R17E	SE SW NE SW	Exodus Gas & Oil LLC
T30S-R17E	SW NE SW	Southwind Exploration, LLC
T30S-R17E	SE SE SW	Southwind Exploration, LLC
T30S-R17E	SW NE SW	Southwind Exploration, LLC
T30S-R17E	SE SE SW	Southwind Exploration, LLC

5-30S-17E

SW4

Newby, Joesph & Carroll 3345 80th Rd Thayer KS 66776

Janz, Garold & Sonya 22577 600 Rd Thayer KS 66776

6-30S-17E

NE4

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7-30S-17E

NE4 less tract

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Tract in NE/4

Cemetery Star Assoc 6395 Trego Rd Neodesha, KS 66757

8-30S-17E

NW4

Joe & Dana Newland Living Trust 6395 Trego Rd Neodesha KS 66757 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/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner

August 29, 2012

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

RE: Approved Commingling CO081212

Williams, James C. 5-1, Sec.5-T30S-R17E, Wilson County

API No. 15-205-25788-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on August 14, 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 Rivertonl 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 CO081212 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