

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1093815

Form ACO-4 Form must be typed March 2009

APPLICATION FOR COMMINGLING OF Commingling ID # CO101209 PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERATOR: License # 33343	API No. 15 - 15-205-26530-00-00
Name: PostRock Midcontinent Production LLC	Spot Description:
Address 1: Oklahoma Tower	SW_NE_NE_NE_ Sec. 24 Twp. 28 S. R. 16 East West
Address 2: 210 Park Ave, Ste 2750	
City: OKLAHOMA CITY State: OK Zip: 73102 +	
Contact Person: CLARK EDWARDS	County: Wilson
Phone: (620) 432-4200	Lease Name: CARTER GALE D Well #: 24-1
/ / / / / / / / / / / / / / / / / / / /	
 Name and upper and lower limit of each production interval 	to be commingled:
Formation: SUMMIT	(Perfs): 718-722
Formation: MULKY	(Perfs): 730-734
Formation: TEBO	(Perfs): 929-931
Formation: WEIR	(Perfs): 961-963
Formation: RIVERTON	(Perfs): 1126-1128
Torridadi.	(1 010).
 Estimated amount of fluid production to be commingled from 	
Formation: SUMMIT	
Formation: MULKY	BOPD: 0 MCFPD: 1.4 BWPD: 2.8
Formation: TEBO	BOPD: 0 MCFPD: 1.4 BWPD: 2.8
Formation: WEIR	BOPD: 0 MCFPD: 1.4 BWPD: 2.8
Formation: RIVERTON	BOPD: 0 MCFPD: 1.4 BWPD: 2.8
	vells 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	s of the lessee of record or operator.
4. Signed certificate showing service of the application and affil	idavit of publication as required in K.A.R. 82-3-135a
and an analysis of the analysis of the approach and and	Seath of positional residence in the minute of room
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 subjection	ct well.
•	
For Commingling of FLUIDS ONLY, include the following:	
7. Well construction diagram of subject well.	
8. Any available water chemistry data demonstrating the comp	atibility of the fluids to be commingled.
AFFIDAVIT: I am the affiant and hereby certify that to the best of m	
current information, knowledge and personal belief, this request for con mingling is true and proper and I have no information or knowledge, whic	
is inconsistent with the information supplied in this application.	
VCC Office Hes Code	٦
KCC Office Use Only	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 wihin 15 days of publication of
Denied Approved	the notice of application.
15-Day Periods Ends: 10/16/2012	
Approved By: Rick Hestermann Date: 10/17/201	²

	A	В	С	D	E	F	Ğ	H I	<u> </u>		Тк
1	Produced Fluids #		1	2	3	4	5			<u> </u>	
	Parameters	Units	Input	Input	Input	Input	Input		Click her	7 0	Click
-		Select fluid	[7]	П	in .	<u> </u>	ĬĪ	Mixed brine:	to run SS		4
-		by checking						Cell H28 is	10 1411 33	7 F	Click
-		the box(es),	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.	ĺ		· ·
	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38	ĺ		Cilck
	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith	are used in	Gool Sook	een	Union]
-	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines	Goal Seek	33F	
	Field	-	CBM	CBM	Bartles	Bartles	Bartles	calculations.	l		Click
\vdash	Na*	4 004							Initial(BH)	Final(WH)	т 1
H٣		(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20		\ <u> </u>	SL/SR
11	K ⁺ (if not known =0)	(mg/l)						0.00	Saturation Index	values	(Final-Initial)
12	Mg ²⁺	(mg/l)	1,096.00	872,00	1,200.00	953.00	858.00	995.91	Ca	lcite	I _I
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		rite	1 1
_	Ba ² *							0.00	, D.		
15		(mg/l)									 -
	Fe ²⁺	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Ha	alite	-
17	Zn ²⁺	(mg/l)				1		0.00	-1.77	-1.80	-0.03
18	Pb ²⁺	(mg/l)			-			0.00	Gyr	sum	T
	CI.	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147.00	44388.44	-3.19	-3.18	0.00
	SO ₄ 2-		· ·			 		2,40		hydrate	+ ***
\vdash		(mg/l)	1.00	1.00	8.00	1.00	1.00				+
21	F	(mg/l)				ļ		0.00		-3.90	0.06
22	Br'	(mg/l)						0.00	Anh	ydrite	_
23	SiO2	(mg/l) SiO2						0.00	-3.47	-3,36	0,12
-	HCO3 Alkalinity**	(mg/l as HCO3)	190.00	234,00	259.00	268.00	254.00	241.03	Cel	estite	
	CO3 Alkalinity	(mg/l as CO3)		20 1100							
-			-	<u> </u>				0.00	7	Sulfide	+
26	Carboxylic acids**	(mg/l)						1		1	-
27	Ammonia	(mg/L) NH3			<u>.</u>			0.00		-0.22	-0.06
28	Borate	(mg/L) H3BO3						0.00	Zine:	Sulfide	
29	TDS (Measured)	(mg/l)				l		72781			
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1.050	1.048	1.045	1.047	Calcium	1 fluoride	
	CO ₂ Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16			11
	H ₂ S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Ca	arbonate	1
_	Total H2Saq	(mgH2S/l)	1.00	1.00	1.00	1.00	0.50	0.90	1	-0.51	0.23
\blacksquare	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63		eeded (mg/L)	+
34	pri, measureu (5 i r)	U-CO2%+Alk.	5.67	3.70	5.72	3,34	3,33	3.03	Calcite	NTMP	-l l
	Choose one option							1	Calcite	NIMP	
35	to calculate S1?		n	l 0	0	l c	,		i		
	Gas/day(thousand cf/day)	(Mcf/D)							0.00	0.00	-1 I
	Oil/Day	(B/D)	0			<u> </u>	3		Barite	ВНРМР	⊣ !
	Water/Day	(B/D)	100	100	100	100	100	500		0,00	-1 I
	For mixed brines, enter val							(Enter H40-H43)		Н	- 1
	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0		5,60	1 1
	Final T	(F)	66.0	71.0	70.0		49.0	89.0	Viscosity (CentiPoise)	- 1
-	Initial P	(psia)	25.0	25.0	25.0	25.0	25,0	25.0		0.826	~
43	Final P	(psia)	25.0	25.0	25.0		25.0			ity (cal/ml/°C)	-1 1
		(psia) 1-Yes;0-No	25,0	23.0	43.0	1 23,0		120.0	0.955	0.959	-1 1
	API Oil Grav.	APl grav.				 -		30.00		eeded (mg/L)	⊣ ∣
	Gas Sp.Grav.	Sp.Grav.						0.60		HDTMP	-; I
477	MeOH/Day	(B/D)	U			 		n	0.00	0.00	-
	MEG/Day	(B/D)	- 0			t		ŏ		HDTMP	⊣
	Conc. Multiplier	\\		<u> </u>		i			0.00	0.00	-j l
	H* (Strong acid)	(N)				1		1			- I
	OH (Strong base)		-	<u>-</u>		1			1		
	Quality Control Checks at	(N)						L	1		J
					-	T			1		
	H ₂ S Gas	(%) (mat/25/l)	ļ- ——	l	<u> </u>	 		 	1		
	Total H2Saq (STP)	(mgH2S/I)		ļ		l		 	1		J
	pH Calculated PCO2 Calculated	(pH) (%)				l '		1	1		
	Alkalinity Caclulated	(%) (mg/l) as HCO3				I		1	1		J
	ECations=	(equiv./l)				l		1	1		J
	ΣAnions=	(equiv./I)				I		1	1		
	Calc TDS=	(mg/l)				I		1	1		J
	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter	r (From metric	to English)			
	Protection Time	120	min	ï	NTMP	From Unit	Value	To Unit	Value		
	Have ScaleSoftPitzer			2	ВНРМР	°C	80	°F	176		J
	i i	1	1-Yes;0-No	3	PAA	m³	100	ft ³	3,531		
64	pick inhibitor for you?					m³					J
65	If No, inhibitor # is:	4	#	4	DTPMP		100	bbl(42 US gal)	629 145.074		
	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
67	I ^a inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		ļ
68	% of 1st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		1
69	2 nd Inhibitor#is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238		ļ
	i l			9	Average	Liters	10,000	bbl(42 US gal)	63		
	Display act. coefs?	0	1-Yes;0-No	, ,	Titologo						
	Display act. coefs?	0	1-Y cs;U-N0	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			
	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
CO₂ 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/Å	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

B-02

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33344	API No. 15 - 205-26530 -00-00
Operator: License #	County: Wilson
Address: 211 W. 14th Street	neneSec24Twp28S. R16V East West
City/State/Zip: Chanute, KS 66720	660 feet from S /(N)circle one) Line of Section
Purchaser: Bluestem Pipeline, LLC	660 feet from E) W (circle one) Line of Section
Operator Contact Person: Jennifer R. Ammann	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 431-9500	1
Contractor: Name: L S Well Service, LLC	(circle one) NE SE NW SW Lease Name: Carter, Gale D. Well #: 24-1
License: 33374	Field Name: Cherokee Basin CBM
Wellsite Geologist: Ken Recoy	Producing Formation: Multiple
	Elevation: Ground: 990 Kelly Bushing: n/a
Designate Type of Completion: New Well Re-Entry Workover	Total Depth: 1212 Plug Back Total Depth: 1205
-	24.2
OilSWDTemp. Abd.	
GasENHR 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 1205 feet depth to surface w/ 170 sx cmt
Operator:	Alta - Dia - 11124100
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth:	(Data must be collected from the Reserve Pit)
Deepening Re-peri Conv. to Enhr./SWD	Chloride contentppm Fluid volumebbls
Plug Back Plug Back Total Depth	Dewatering method used
Commingled Docket No	Location of fluid disposal if hauled offsite:
Dual Completion Docket No	Operator Name:
Other (SWD or Enhr.?) Docket No	Lease Name: License No.:
5/1/06	Quarter SecTwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of	of the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-12 and geologist well report shall be attached with this form. ALL CEMENTING is. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regunerein are complete and correct to the best of my knowledge.	ulate the oil and gas industry have been fully complied with and the statements
Signature: Junifu R. Ammann	KCC Office Use ONLY
Fitle: New Well Development Coordinator Date: 8/30/06	
	Letter of Confidentiality Received
Subscribed and sworn to before me this 30 day of Queunt	If Denied, Yes Date:
20 <u>Clo</u> .	Wireline Log Received
Notary Public: Doora Karuman	Geologist Report Received SAS CORPORATION COMMISS
A-II-OMID A TER	RRA KLAUMAN AUG 3 1 2006
Date Commission Expires: O Manager Commission Expires:	Public - State of Kenese !
my Appt. Expir	CONSERVATION DIVISION WIGHTALKS

Side Two

Operator Name: QL	rest Cherokee, LL	.c <u>, , </u>	Lease Na	ame: C	arter, Gale i)	_ Well #: 243	1 9	
=	28S. R. 16		County:_						
tested, time tool operature, fluid re	en and closed, flowing covery, and flow rate	and base of formations p g and shut-in pressures, is if gas to surface test, a final geological well site	whether shut along with fina	l-in pres	ssure reached	static level, hydro	ostatic pressure	es, botto	m hole
Drill Stern Tests Tak	-	Yes [√] No		√ Lo	og Formati	on (Top), Depth a	and Datum		Sample
Samples Sent to Ge	ological Survey	☐ Yes 🗹 No		Name See a	attached		Тор	I	Datum
Cores Taken		Yes No							
Electric Log Run (Submit Copy)		✓ Yes No		•					
List All E. Logs Run	:								
Comp. Density Ne Gamma Ray Neut Dual Induction Log	ron								
		CASING Report all strings set-		Ne		tion, etc.	-		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft	t	Setting Depth	Type of Cement	# Sacks Used		and Percent
Surface	114.7	8-5/8"	20#		21.3	"A"	7		
Production	6-3/4	4-1/2	10.5#		1205	"A"	170	ļ	
		•							
		ADDITIONAL	L CEMENTING	S/SQU	EEZE RECORD	<u> </u>			
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	#Sacks Us	sed	 	Type and I	Percent Additives		
Plug Back TD Plug Off Zone			· —						
		L	<u> </u>						
Shots Per Foot		ION RECORD - Bridge Plu Footage of Each Interval Pe				cture, Shot, Cemen mount and Kind of M		rd	Depth
4	1126-1128/961-	963/929-931			400gai (5%HCLaif 27 bb)	s 250cd weber, 720cbis water	of 2% (CCL, Blocks), 90000	2040 mmd	1126-1128/961-963
					<u></u>		-		929-931
4 ,	730-734/718-72				300gal 15%HClur/45 bb	s 25kd water, 725kbis water	w/ 2%, KCL, Blookka, 4100	# 20/40 sund	730-734/718-7200
		٠,							
TUBING RECORD 2	-3/8"	Set At 1148.46	Packer At n/a		Liner Run [Yes ☑ Ño	ı		•
Date of First, Resume 7/26/06	erd Production, SWD or I	Enhr. Producing Me		Flowing	√ Pumpi	ng ∐Gas⊔	ft Oth	et (Explain	1)
Estimated Production Per 24 Hours	oli n/a	Bbls. Gas	Mcf	Water 20bbl		bls. (Gas-Oll Ratio		Gravity
Disposition of Gas		COMPLETION 1	<u> </u>	-4551	Production Inter	val			
vi. ✓. Vented'ı', 📝 Solo	Used on Lease Submit ACO-18.)	Open Hole	Perf.		ually Comp.	Commingled _			
, er	•	Uniter (spec	UADIANIN	ានវិ ពី ទូចនាំ១៤។	±2n				
و المان المان المان	<u>.</u>		. N	. 11 1	47 459				

Quest Cherokee, LLC

Gale Carter #24-1 S24, T28,R16 Wilson Co, KS API#205-26530-0000

0-2	DIRT
2-15'	LIME
15-105	SHALE
	LIME
	SHALE
	SANDY SHALE
	SAND
	SANDY SHALE
	LIME
315-350	SANDY SHALE
350-355	LIME
355-359	BLACK SHALE
359-370	LIME
370-380	SHALE
380-425	LIME
425-500	SHALE
500-512	SAND
512-524	SHALE
524-536	LIME
536-562	SAND
562-580	SHALE
580-601	SAND
601-626	SANDY SHALE
626-629	LIME
	COAL
	LIME PINK
	BLACK SHALE
658 -6 68	
	SAND
	SHALE
	LIME OSWEGO
	BLACK SHALE
717-726	
	BLACK SHALE
728-729	
729-740	LIME
740-750	SHALE SANDY SHALE
750-787 787-788	
	COAL SANDY SHALE
788-800	
800-900 900-902	SAND LIME
902-902	COAL
902-903	
912-912	SHALE SANDY SHALE
912-920	SHALE
320-312	STALE

972-989

SANDY SHALE

5-1-06 Drilled 11" hole and set 21.3' of 8 5/8" surface casing Set with 7 sacks Portland cement 5-2-06 Started drilling 6 3/4" hole 5-2-06 Finished drilling to T.D. 1212' **260' WATER** 736' WATER INCREASE 661' 2" ON 1/2" ORIFICE 736' 22" ON 1/2" ORIFICE 811' 45" ON 3/4" ORIFICE 887' 60" ON 3/4" ORIFICE 1012' 8 PSI ON 3/4" ORIFICE 1062' 16 PSI ON 3/4" ORIFICE 1112' 16 PSI ON 3/4" ORIFICE 1137' 18 PSI ON 3/4" ORIFICE 1212' 16 PSI ON 3/4" ORIFICE

RECEIVED KANSAS CORPORATION COMMISSION

AUG 3 1, 2006.

CONSERVATION DIVISION WICHTA, KS

L S Well Service, LLC #33374 543A 22000 Road Cherryvale, Kansas 67335 620-328-4433 Drill Log

Quest Cherokee, LLC

Gale Carter #24-1 S24, T28,R16 Wilson Co, KS API#205-26530-0000

989-1097 SAND 1097-1122 SHALE 1122-1123 COAL 1123-1128 SHALE 1128-1212 LIME

T.D. 1212'

TI;	<u> </u>	, Number	0	99	3.7
	,*				

FOREMAN Brad Butter

TREATMENT REPORT & FIELD TICKET

and of the look to hope in humans a li-CEMENT CUSTOMER# "DATE SECTION TOWNSHIP: TOWNSH COUNTY CUSTOMER DRIVER JRUCK# DRIVER MAILING ADDRESS STATE : ZIP CODE . . : OKKhoma C.Y JOB TYPE .. LONSSILL ____ CASING SIZE & WEIGHT_ __ HOLE DEPTH__/2/2 HOLE SIZE **CEMENT LEFT in CASING** DISPLACEMENT PSI 750 Pro Plus

Commit Pumped 10 Bost De Date Mired 170 SKs. Resconding 12 CACLES POR SI KOT STALL 14 of Shull down wash out Dumps have - Release Plus - Displace Plus with 19 Bbls water - Inval pumping of 700 RSTIME Rumped Plus To 1400 PSI - Wait 2 minutes - Release Plessive - SON TOTAL CHOSE CARREST VIND PSI - Good Coment retwister Sixtles with Bbl. Story - SCATIBO VIDE CONTROLLED OF THE PROPERTY OF THE COMMITTER TO SIXTURE WITH BBL. STORY

भाग । वह । १ व्यावनिक्ताला । व्यावनिक्ताला । विकास

Zhanks"

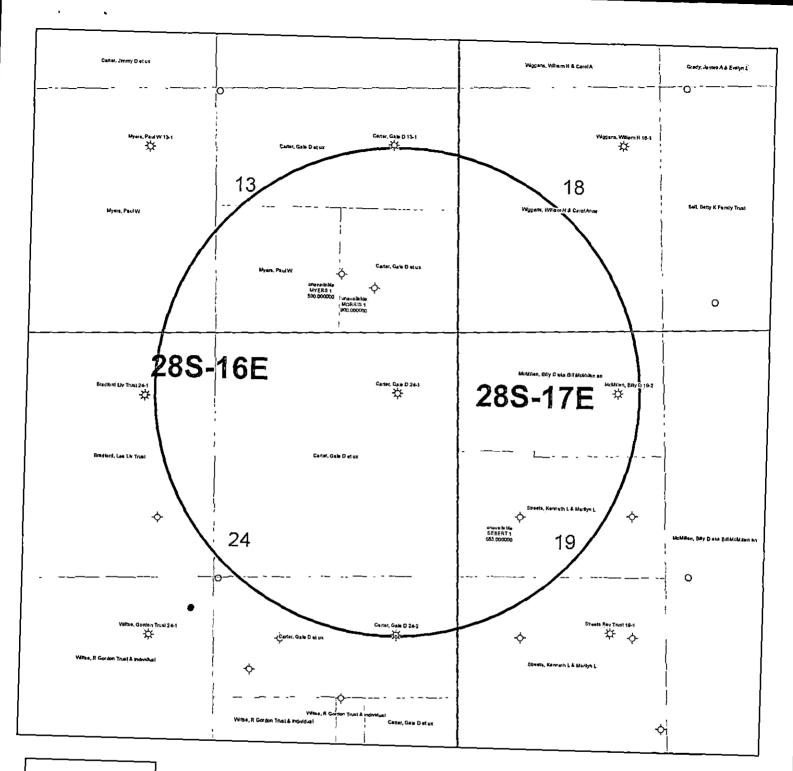
			20代指示物(0)	Alex, P.
ACCOUNTE:	QUANTITY of UNITS	DESCRIPTION of SERVICES of PRODUCT	UNIT PRICE	TOTAL
5:40/0 m	n socials and amistions		1-800:0017	800:00
U306		MILEAGE "312 Job	3.15	NC
	THAT MAY USE TO BE CONTROLLED TO THE	STATEMENT OF THE STATEM	n egelyn i Dirini Leinir neist telefol	9169 6 1 111
1/04.5	10 -170 -13-5KS	ROULE COMET - CLOSS AREMINE TO A MAN	11:25	1912.50
1140	HONE PRESIDENCE OF THE		120 784.40	\$ 10240
1196 A.	850 850	- KO1-5EAL 5# PU/SK-19 69 199097 30 1891	· 1910 22 70 #250	306.00
1107 als	seri to nin 40 + + 1811/65	1 — / · · · · · · · · · · · · · · · · · ·	70/80 #	3.72.00
the east	eupplies as all nak is			
5907.A	ound of the State Town	40 miles - Bulk Tik	1:05	336.00
7.5 8.4.2.5	The part of Security	e ya sugar र प्राप्त 🙀 र प्राप्त	· · · · · · · · · · · · · · · · · · ·	
5502 C	3 700His.	80 Bbl. VACTIKITION 8 &	90:00	270:00
5301	4 His	Water Tigus poit WE A 27	98.00	392.00
1123	8000 GAI.	City water	12.80 .	10240
New York	Service and a Service			
1118 A	300 1/65		14.#	42.00
1308 . ·v .		OMI SiQ		a lin timero
	Alternative to the state of the	**************************************	<u>. برخاله از ۱۳ (۱۳ و ۱</u>	. 1
	2000年,他们的 没有 多数。	May 54 Nation (1990) de la rest	Sub Totali A	4335:30
		1. 1. 16. 1. 16. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	SALÉS TAX	: <i>159:85</i>
			ESTIMATED	11119-12

AUTHORIZATION AND THE TOTAL AN

TITLE_

TOTAL 144

DATE_



KGS STATUS

- ◆ DA/PA
- ⊕ EOR
- ☆ GAS
- △ INJ/SWD
- OIL
- ★ OIL/GAS
- OTHER

Carter, Gale D 24-1 24-28S-16E 1" = 1,000'

POSTROCK



Current Completion

SPUD DATE: 5/1/2006

COMP. Date: 5/12/2006 API: 15-205-26530-00-00

WELL

: Carter, Gale D 24-1 : Cherokee Basin

FIELD STATE

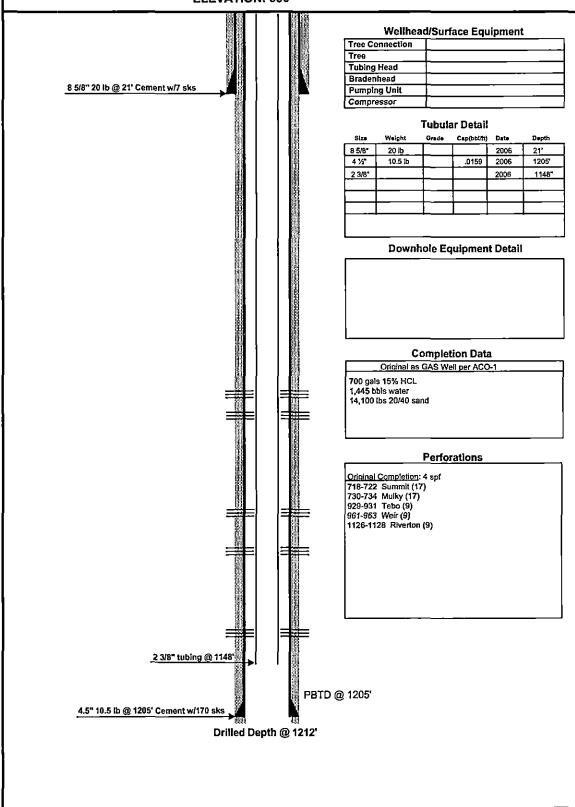
: Kansas

COUNTY

.

: Wilson LOCATION: 24-28S-16E (NE,NE)

ELEVATION: 990'



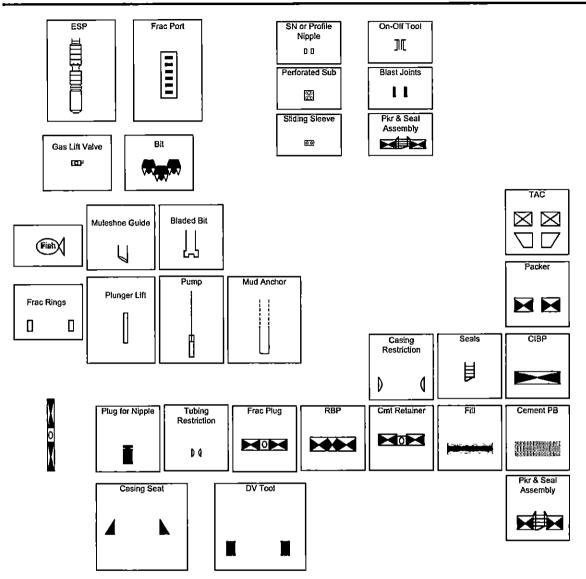
PREPARED BY:	POSTROCK	
APPROVED BY:		

POSTROCK



LEGEND

PostRock



CARTER, GALE D 24-1

FORMATION:	SQUIRREL	(PERFS):	831 -	836			
FORMATION:	SQUIRREL	(PERFS):	842 -	848			
FORMATION:	CATTLEMAN	(PERFS):	1014 -	1020			
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
		(DEDEC).					
FORMATION:		(PERFS): _					
2 ESTIMATED AI FORMATION:	MOUNT OF FLUID PRODUCTION TO SQUIRREL	BE COMMINGLED FROM BOPD:	1	MCFPD:	0	BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION:	SQUIRREL SQUIRREL	BE COMMINGLED FROM BOPD: BOPD:	1	MCFPD:	0	BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN	BE COMMINGLED FROM BOPD: BOPD: BOPD:	1	MCFPD: MCFPD:		BWPD: BWPD:	
2 ESTIMATED AI FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0	BE COMMINGLED FROM BOPD: BOPD: BOPD: BOPD: BOPD:	1	MCFPD: MCFPD: MCFPD:	0	BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0	BE COMMINGLED FROM BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	1	MCFPD:	0	BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0	BE COMMINGLED FROM BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	1	MCFPD:	0	BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0 0	BE COMMINGLED FROM BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	1	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	0	BWPD: BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0 0	BE COMMINGLED FROM BOPD:	1	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	0	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0 0	BE COMMINGLED FROM BOPD:	1	MCFPD:	0	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0 0 0 0 0 0 0	BE COMMINGLED FROM BOPD:	1	MCFPD:	0	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	6.67
2 ESTIMATED AI FORMATION:	SQUIRREL SQUIRREL CATTLEMAN 0 0 0 0	BE COMMINGLED FROM BOPD:	1	MCFPD:	0	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	6.67

CARTER, GALE D 24-1-APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

Offset Operators, Unleased Mineral Owners and Landowners acreage	e	
Atlach eddilional sheels If necessary)		
Name:	Legal Description of Leasehold:	
POSTROCK MIDCONTINENT PRODUCTION, LLC	POSTROCK HAS LEASED ALL ACREAGE IN THE 1/2	
	MILE RADIUS	
· · · · · · · · · · · · · · · · · · ·	 	
•		
ereby certify that the statements made herein are true and correct to the best	t of my knowledge and belief.	
•	,	
	Jagg murus	
App	olicant or Duly Authorized Agent	
Subscribed and sworn be	ofore me this 28th day of SEPTEMBER 2012	
JENNIFER R. BEAL	Sey of	
JEOFFICIALE MY COMMISSION EXPIRES	Chunites K Beal)	
	ary Public	
My	Commission Expires: Quilly 20 20/10	
·		
	· · · · · · · · · · · · · · · · · · ·	
	·	
	•	

Affidavit of Notice Served			
Re: Application for: APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS ACO-4			
Well Name: CARTER, GALE D 24-1	Legal Location: SWNENENE	S24-T28S-R16E	
The undersigned hereby certificates that he / she is a duly authorized ag	ent for the applicant, and that on the day	of SEPTEMBER .	
, a true and correct copy of the application referenced above was delivered or mailed to the following parties:			
Atolog A gapy of this attribute must be appropriate and of the coultration			
Note: A copy of this effidavit must be served as a part of the application.			
Name	Address (Allach additional sheets if ne		
POSTROCK MIDCONTINENT PRODUCTION, LLC	210 PARK AVENUE, SUITE 2750,	OKLAHOMA CITY, OK 73102-5641	
·			
	•		
	•		
I further attest that notice of the filing of this application was published in t	he THE WILSON COUNTY CITIZEN	, the official county publication	
of WILSON	county. A copy of the affidavil of this publication	is attached.	
Signed thisday of _SEPTEMBER	2012		
	() Mon	ris	
	Applicant or Duly Authorized Agent		
Subscribed and sworn	to before me this 28 th day of SEPTE	MBER	
JENNIFER R. BEAL OFFICIAL MY COMMISSION EXPIRES	Q Q Q	1001	
7-20-2016	Notary Public Notary	<u> </u>	
	My Commission Expires:	20, 2014	
	<u> </u>	<u>, </u>	

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 hereinaster 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 1st 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.

Fletchall

Subscribed and sworn to before me this

1st day of October, 2012

PENNY L. CASE Notary Public State of Kan My Appt. Expires

Notary Public Scagwick County, Kansas

Printer's Fee: \$139.60

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
OCTOBER 1, 2012 (2009788)
BEFORE THE STATE CORPORATION
COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
RE- In the Matter of Postrock Middentinant
Production. LLC Application for Comminging of Production in the Cortar,
Gale 10 22-1 locoled in William 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, Midcontinant Production LLC has thed an application to comminge
the Summit, Multy, Tebo, Webr, Rivertan,
Sourired and Catleman producting formations
at the Carter, Gale D 241, I located in the SW
NE NE NE, S24-7285-RIBE; Approximately
654 FNL & 655 FEL, Wilson County, Kansas,
Any persons who, object to brotest
this application shall be required to file their
objections or profest with the Conservation
Division of the Side Corporation Commission
of the State of the State of the State
of Commission.

Appearson Introduction of the Corporation of the State of the State
of Corporation Corporation of the States of the State
of Corporation Corporation of the States of

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	day of
(Oct.	. 20/2
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
5th publication was made on the	day of
	20
6th publication was made on the	day of
	20-27
TOTAL PUBLICATION FEE: \$_	27.
(Signed) Mina Shipperry	e
Subscribed and sworm to before me, this	1640 day of
October	,20/2
- SitaM. Reeph	(Notary Public)
My commission expires Qua.	30, 2014

(Published in the Wilson County Citizen on Monday, October 1, 2012)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANBAS

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commingling of Production in the Carter, Gale D 24-1 located in Wilson County, Kansas.

TO: All Oil & Cas Producers, Unlessed Miner al 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, Tebo, Weir, Riverton, Squirrel and Cattlemen producing formations at the Carter, Gale D 24-1, located in the SW NE NE NE, 524-7288 RIGE, Approximately 654 FNL; & 655 FELL Wilson, County, Kansas.

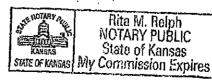
Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pure swant to Commission regulations and must state expected 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 them solves accordingly. All person and/or companies wishing to protest this application are required for 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, 65 I opy

PAID



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 Shari Feist Albrecht, Commissioner

October 17, 2012

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

RE: Approved Commingling CO101209

Carter, Gale D. 24-1, Sec. 24-T28S-R16E, Wilson County

API No. 15-205-26530-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on October 16, 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 CO101209 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