KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1099274

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 # CO011307

OPERATOR: License # 33343
Name: PostRock Midcontinent Production LLC
Address 1: Oklahoma Tower
Address 2: 210 Park Ave, Ste 2750
City: OKLAHOMA CITY State: OK Zip: 73102 + _ _ _ _
Contact Person: CLARK EDWARDS
Phone: (620) 432-4200

API No. 15 - 15-205-26530-00-00
Spot Description:
SW NE NE NE Sec. 24 Twp. 28 S. R. 16 ☑ East ☐ West
654 Feet from ☑ North / ☐ South Line of Section
655 Feet from ☑ East / ☐ West Line of Section
County: Wilson
Lease Name: CARTER GALE D Well #: 24-1

☑ 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

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

Formation:	SUMMIT	BOPD:	0	MCFPD:	1.2	BWPD: 1.6
Formation:	MULKY	BOPD:	0	MCFPD:	1.2	BWPD: 1.6
Formation:	TEBO	BOPD:	0	MCFPD:	1.2	BWPD: 1.6
Formation:	WEIR	BOPD:	0	MCFPD:	1.2	BWPD: 1.6
Formation:	RIVERTON	BOPD:	0	MCFPD:	1.2	BWPD: 1.6

☑ 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: 1/26/2013
Approved By: Rick Hestermann Date: 01/28/2013

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 the notice of application.

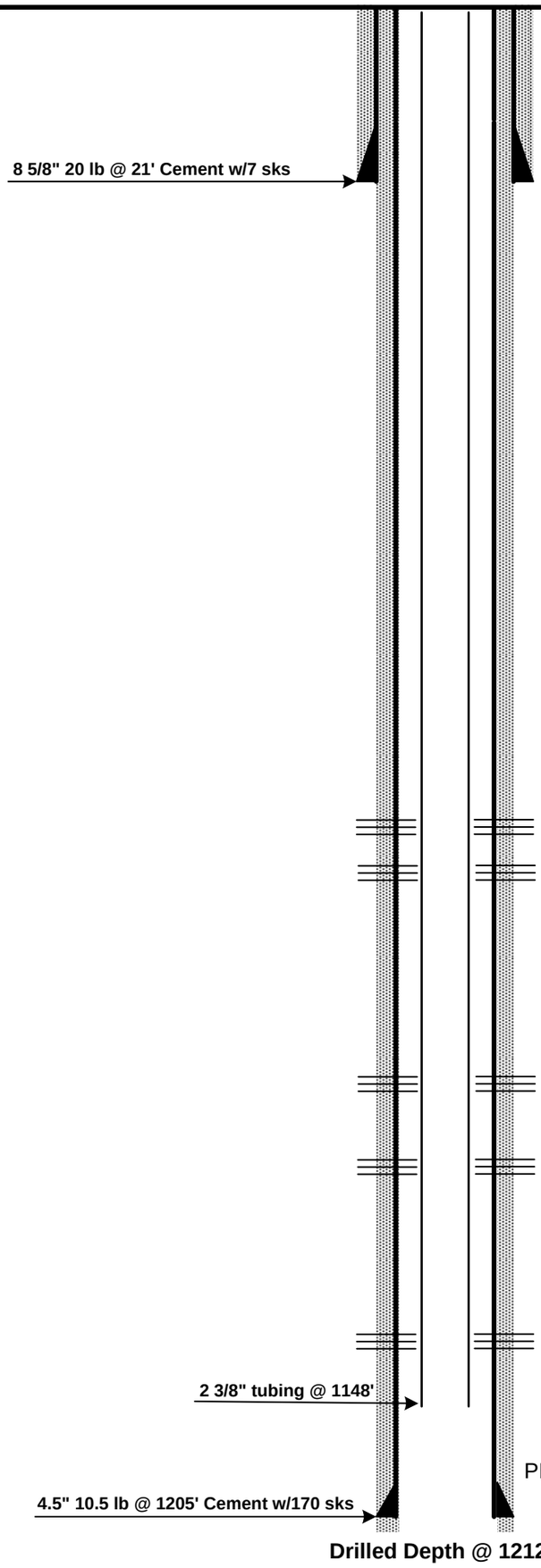
Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

POSTROCK	PostRock	Current Completion

WELL : Carter, Gale D 24-1
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Wilson

SPUD DATE : 5/1/2006
COMP. Date : 5/12/2006
API: 15-205-26530-00-00

LOCATION: 24-28S-16E (NE,NE)
ELEVATION: 990'



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	21'
4 ½"	10.5 lb		.0159	2006	1205'
2 3/8"				2006	1148''

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1

700 gals 15% HCL
1,445 bbls water
14,100 lbs 20/40 sand

Perforations

Original Completion: 4 spf
718-722 Summit (17)
730-734 Mulky (17)
929-931 Tebo (9)
961-963 Weir (9)
1126-1128 Riverton (9)

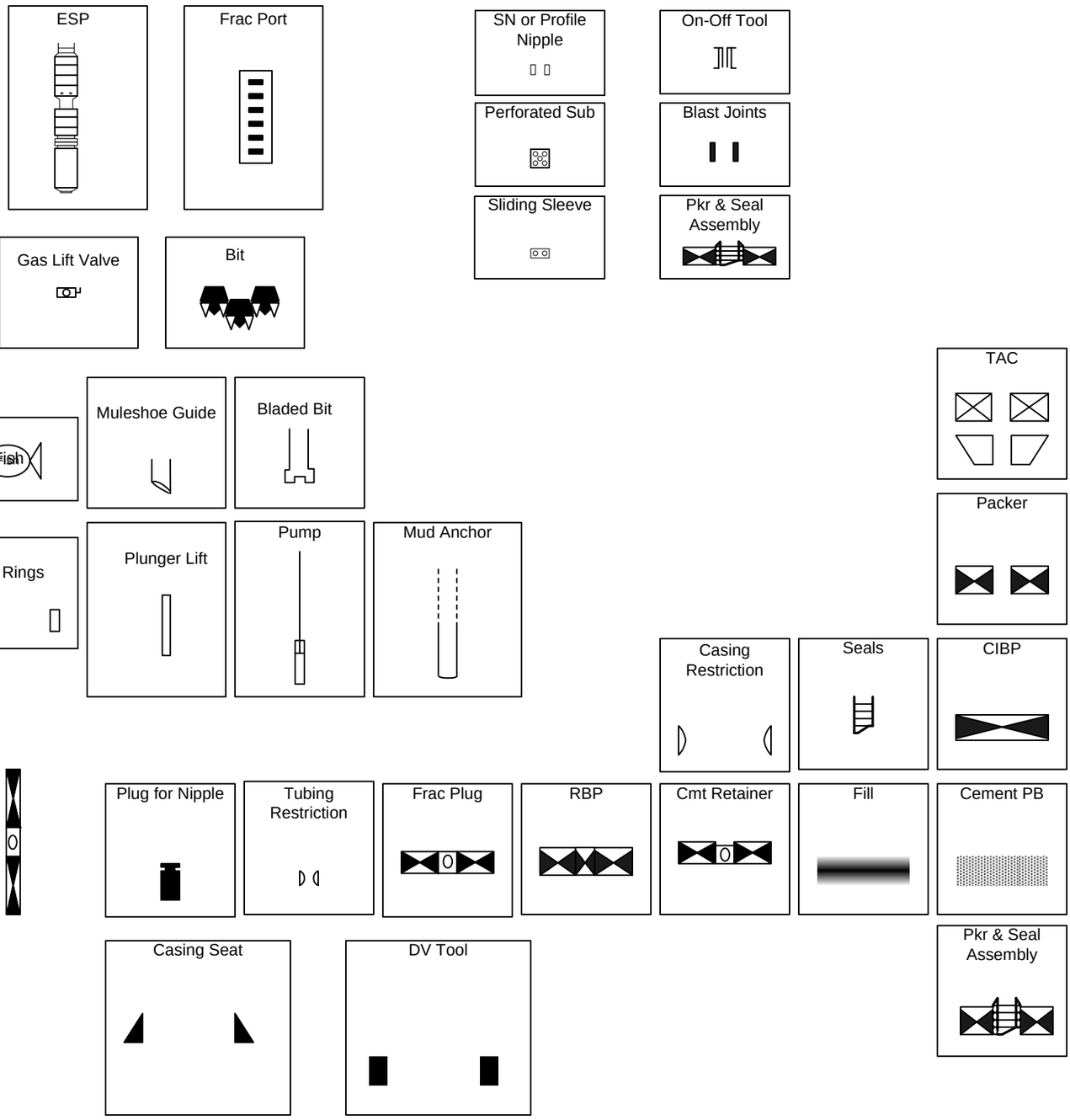
PREPARED BY: POSTROCK **DATE:** Sept, 2012

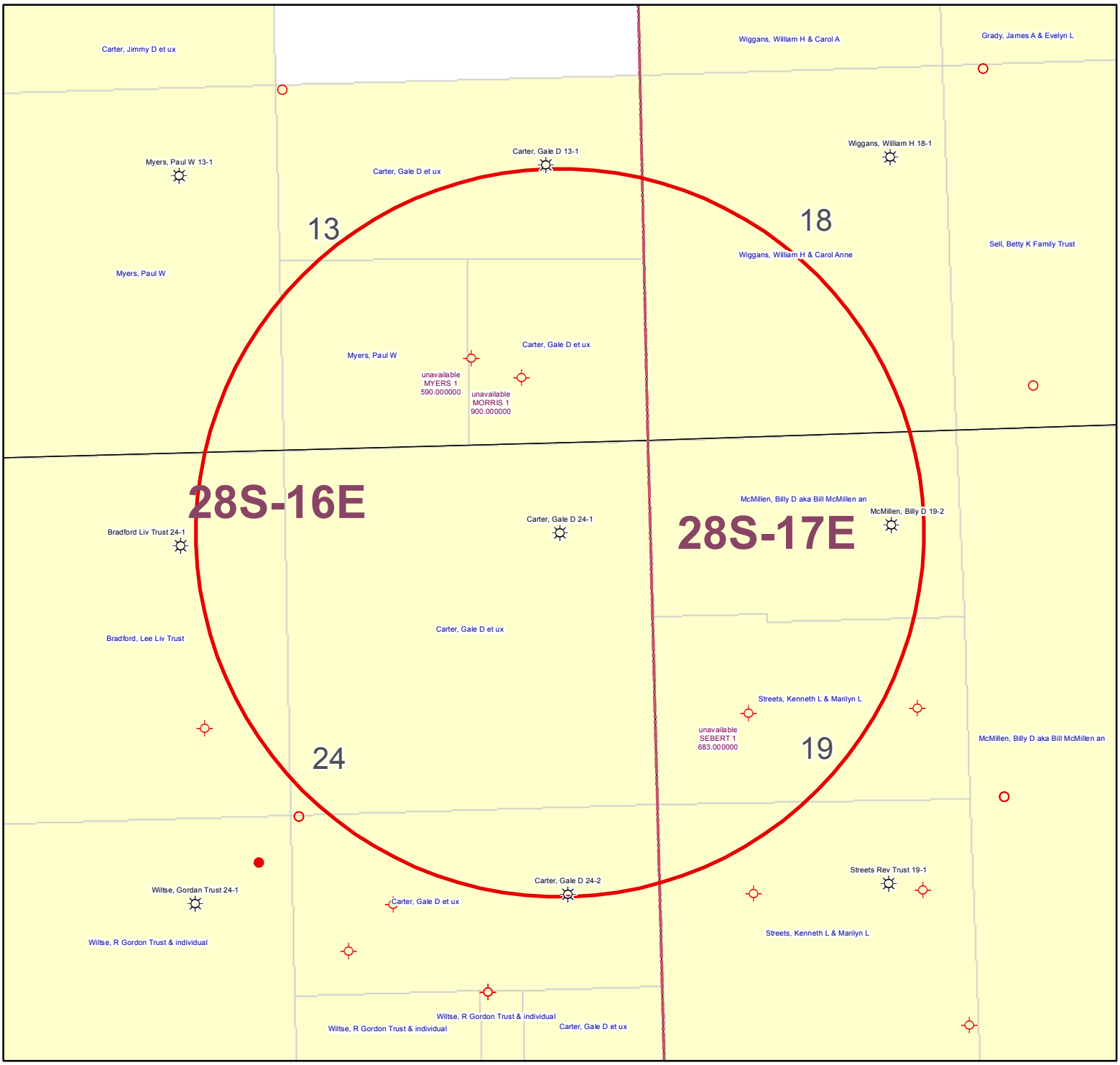
APPROVED BY: _____ **DATE:** _____

POSTROCK

PostRock

LEGEND





KGS STATUS

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

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

	A	B	C	D	E	F	G	H	I	J	K
1	Produced Fluids #		1	2	3	4	5		Click here to run SSP	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.	Goal Seek SSP	Click	
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38			
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/^{0}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

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33344
Name: Quest Cherokee, LLC
Address: 211 W. 14th Street
City/State/Zip: Chanute, KS 66720
Purchaser: Bluestem Pipeline, LLC
Operator Contact Person: Jennifer R. Ammann
Phone: (620) 431-9500
Contractor: Name: L S Well Service, LLC
License: 33374
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.

5/1/06	5/2/06	5/12/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-26530-00-00
County: Wilson
__ - __ - ne - ne Sec. 24 Twp. 28 S. R. 16 ☑ East ☐ West
660 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: Carter, Gale D. Well #: 24-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 990 Kelly Bushing: n/a
Total Depth: 1212 Plug Back Total Depth: 1205
Amount of Surface Pipe Set and Cemented at 21.3 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from 1205
feet depth to surface w/ 170 sx cmt.
Alt 2 - Dlg - 11/24/08

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.:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jennifer R. Ammann
Title: New Well Development Coordinator Date: 8/30/06
Subscribed and sworn to before me this 30th day of August, 20 06.
Notary Public: Terra Klauman
Date Commission Expires: 8-4-2010

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

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

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 31 2006
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: Carter, Gale D. Well #: 24-1

Sec. 24 Twp. 28 S. R. 16 ☑ East ☐ West County: Wilson

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

Drill Stem Tests Taken *(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
Gamma Ray Neutron
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: See attached Top: Datum:

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	11	8-5/8"	20#	21.3	"A"	7	
Production	6-3/4	4-1/2	10.5#	1205	"A"	170	

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	1126-1128/961-963/929-931	400gal 15%HCLw/ 27 bbls 2%kcl water, 720bbls water w/ 2% KCL, Biocide, 10000# 20/40 sand	1126-1128/961-963
			929-931
4	730-734/718-722	300gal 15%HCLw/ 45 bbls 2%kcl water, 725bbls water w/ 2% KCL, Biocide, 4100# 20/40 sand	730-734/718-7200

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1148.46	n/a	☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
7/26/06	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	.7mcf	20bbls		

Disposition of Gas: ☑ Vented ☑ Sold ☑ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other *(Specify)*

Production Interval

MANUAL ADDED

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

0-2	DIRT
2-15'	LIME
15-105	SHALE
105-112	LIME
112-120	SHALE
120-215	SANDY SHALE
215-220	SAND
220-240	SANDY SHALE
240-315	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
629-630	COAL
630-656	LIME PINK
656-658	BLACK SHALE
658-668	SHALE
668-686	SAND
686-696	SHALE
696-713	LIME OSWEGO
713-717	BLACK SHALE
717-726	LIME
726-728	BLACK SHALE
728-729	COAL
729-740	LIME
740-750	SHALE
750-787	SANDY SHALE
787-788	COAL
788-800	SANDY SHALE
800-900	SAND
900-902	LIME
902-903	COAL
903-912	SHALE
912-920	SANDY SHALE
920-972	SHALE
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
WICHITA, 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'

CONSOLIDATED OIL WELL SERVICES,
P.O. BOX 884, CHANUTE, KS 66720
620-431-9210 OR 800-457-8676

TICKET NUMBER 09937
LOCATION Eureka
FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-12-06		Gale Carter 24-1	24	28	16	Wilson

CUSTOMER: Quest Cherokee, LLC
MAILING ADDRESS: 9520 N. May Ave Ste 300
CITY: Oklahoma City | STATE: OK | ZIP CODE: 73120

TRUCK #	DRIVER	TRUCK #	DRIVER
446	Scott		
502	Kyle		
436	Larry		
452-T63	J.P.		

JOB TYPE Longstring | HOLE SIZE 6 3/4" | HOLE DEPTH 1212' | CASING SIZE & WEIGHT 4 1/2" 10.5 lb.
CASING DEPTH 1205' | DRILL PIPE | TUBING | OTHER
SLURRY WEIGHT 14.5 15 | SLURRY VOL 37 Bbls | WATER gal/sk 5.5 | CEMENT LEFT in CASING 0'
DISPLACEMENT 19.2 Bbls | DISPLACEMENT PSI 750 | MIX PSI 1400 Bump Plug | RATE

REMARKS: Safety Meeting. Rig up to 4 1/2" casing. Break circulation with water, wash casing down to bottom (90' of it). Pumped 15 Bbl. Gel Flush, Pumped water to bring Gel around to surface to condition Hole. Rig up to Cement. Pumped 10 Bbls Dye Water. Mixed 170 sks. Regcement w/ 1% CACl2, 5# PU/sk of KOL-SEAL, 1/4# Flocele. Shutdown - wash out pump & lines - Release Plug - Displace Plug with 19 Bbls water. Final pumping at 750 PSI - Bumped Plug to 1400 PSI - wait 2 minutes - Release Pressure. Float Held - close casing w/ 0 PSI - Good cement returns to surface w/ 7 Bbl. Slurry. Job complete - Tear down.

"Thanks"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	0	MILEAGE 3rd Job	3.15	N/C
1104 S	170 SKS	Regular cement - class A cement	11.25	1912.50
1102	160 lbs.	CACl2 1%	.64#	102.40
1110 A	850 lbs.	KOL-SEAL 5# PU/SK	.36#	306.00
1107	40 lbs.	Flocele 1/4# PU/SK	1.80#	72.00
5407 A	8 TON	40 miles - Bulk Trk	1.05	336.00
5502 C	3 Hrs.	80 Bbl. VACTRK	90.00	270.00
5501 C	4 Hrs.	water Transport	98.00	392.00
1123	8000 GAL.	City water	12.80	102.40
1118 A	300 lbs.	Gel Flush	.14#	42.00
			Sub Total	4335.30
		6.3%	SALES TAX	159.85
			ESTIMATED TOTAL	4495.15

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 31 2006
CONSERVATION DIVISION
WICHITA, KS

AUTHORIZATION _____ TITLE _____ DATE _____

AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for _1_ issues, that the first publication of said notice was

made as aforesaid on the **9th** of

November A.D. **2012**, with

subsequent publications being made on the following dates:

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE NOVEMBER 9, 2012 (3216890)
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 Carter, Gale D 24-1 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 filed an application to commingle the Summit, Mulky, Tebo, Weir, Riverton, Squirrel, Cattleman and Bartlesville producing formations at the Carter, Gale D 24-1, located in the SW NE NE NE, S24-T28S-R16E, Approximately 654 FNL & 655 FEL, Wilson County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All 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

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Mark Fletchall

Subscribed and sworn to before me this

9th day of November, 2012

PENNY L. CASE
Notary Public - State of Kansas
My Appt. Expires 5/28/2014

Penny L. Case
Notary Public Sedgwick County, Kansas

Printer's Fee : **$132.40**

PROOF OF PUBLICATION

STATE OF KANSAS
Wilson County - SS

JOSEPH S. and RITA M. RELPH, of lawful age, being duly sworn upon oath that they are the Owners and Publishers of the WILSON COUNTY CITIZEN:

THAT said newspaper has been published at least weekly fifty (50) times a year and has been so published for at least five years prior to the first publication of the attached notice:

THAT said newspaper is a general circulation on a daily, or weekly, or monthly, or yearly basis in;

WILSON COUNTY, KANSAS and is NOT a trade, religious or fraternal publication and has been PRINTED and PUBLISHED in Wilson County, Kansas.

THE ATTACHED was published on the following dates in a regular issue of said newspaper:

1st publication was made on the 8th day of November, 2012

2nd publication was made on the _____ day of _____, 20____

3rd publication was made on the _____ day of _____, 20____

4th publication was made on the _____ day of _____, 20____

5th publication was made on the _____ day of _____, 20____

6th publication was made on the _____ day of _____, 20____

TOTAL PUBLICATION FEE: $ 37.13

(Signed) Joseph S. Relph

Subscribed and sworn to before me, this 9th day of November, 2012

Rita M. Relph (Notary Public)

My commission expires Aug. 30, 2014

(Published in the Wilson County Citizen on Thursday, November 8, 2012.)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

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Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 660-7704
76 1 cpy.

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

CARTER, GALE D 24-1

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

FORMATION:	BARTLESVILLE	(PERFS):	854	-	856
FORMATION:	BARTLESVILLE	(PERFS):	949	-	951
FORMATION:	BARTLESVILLE	(PERFS):	955	-	957
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
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:	BARTLESVILLE	BOPD:	1	MCFPD:	0	0	BWPD:	6.67
FORMATION:	BARTLESVILLE	BOPD:	1	MCFPD:	0		BWPD:	6.67
FORMATION:	BARTLESVILLE	BOPD:	1	MCFPD:	0		BWPD:	6.67
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:	
FORMATION:	0	BOPD:		MCFPD:			BWPD:	
FORMATION:	0	BOPD:		MCFPD:			BWPD:	

CARTER, GALE D 24-1-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:
ALL ACREAGE LEASED BY POSTROCK	

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 11TH day of JANUARY, 2013

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

Notary Public Jennifer R. Beal

My Commission Expires: July 20, 2016

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 agent for the applicant, and that on the day 11TH of JANUARY, 2013, 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)*
POSTROCK	210 PARK AVE, STE 2750, OKLAHOMA, OK 73102

I further attest 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 11TH day of JANUARY, 2013

Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 11TH day of JANUARY, 2013

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

Notary Public

My Commission Expires: July 20, 2016

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/

January 28, 2013

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

RE: Approved Commingling CO011307
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 January 11, 2013, 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 CO011307 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