



KANSAS CORPORATION COMMISSION 1097408
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF **Commingling ID # CO111206**
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

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

API No. 15 - 15-205-26792-00-00
Spot Description: _____
SE NW NE NE Sec. 5 Twp. 28 S. R. 17 East West
622 Feet from North / South Line of Section
682 Feet from East / West Line of Section
County: Wilson
Lease Name: CARLSON BARRY L Well #: 5-1

1. Name and upper and lower limit of each production interval to be commingled:
- | | |
|--------------------------------|---------------------------|
| Formation: <u>SUMMIT</u> | (Perfs): <u>681-685</u> |
| Formation: <u>MULKY</u> | (Perfs): <u>692-696</u> |
| Formation: <u>WEIR</u> | (Perfs): <u>938-940</u> |
| Formation: <u>RIVERTON</u> | (Perfs): <u>1128-1130</u> |
| Formation: <u>BARTLESVILLE</u> | (Perfs): <u>961-965</u> |

2. Estimated amount of fluid production to be commingled from each interval:
- | | | | |
|--------------------------------|------------------|-----------------|-----------------|
| Formation: <u>SUMMIT</u> | BOPD: <u>0</u> | MCFPD: <u>0</u> | BWPD: <u>0</u> |
| Formation: <u>MULKY</u> | BOPD: <u>0</u> | MCFPD: <u>0</u> | BWPD: <u>0</u> |
| Formation: <u>WEIR</u> | BOPD: <u>0</u> | MCFPD: <u>0</u> | BWPD: <u>0</u> |
| Formation: <u>RIVERTON</u> | BOPD: <u>0</u> | MCFPD: <u>0</u> | BWPD: <u>0</u> |
| Formation: <u>BARTLESVILLE</u> | BOPD: <u>1.5</u> | MCFPD: <u>0</u> | BWPD: <u>10</u> |

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:

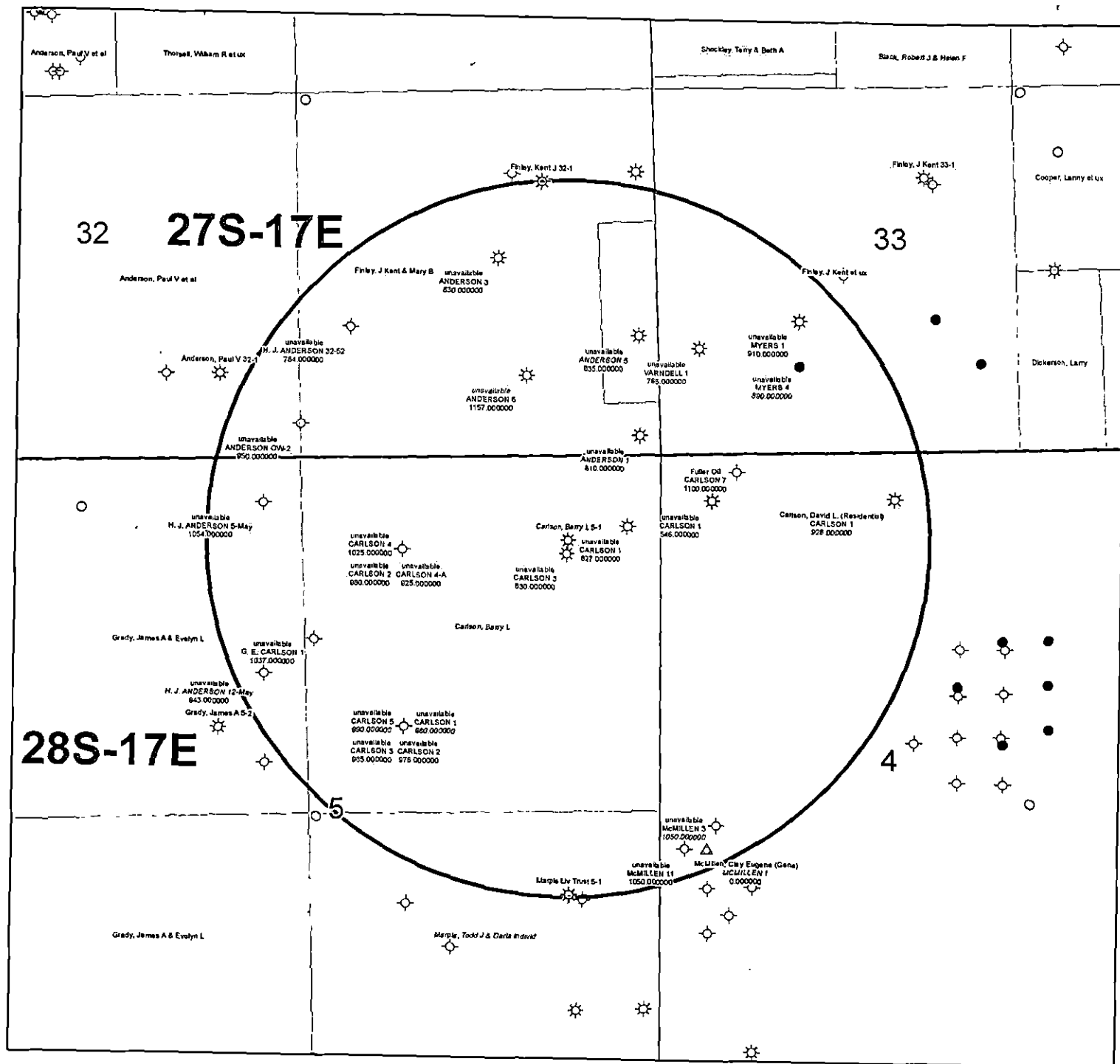
7. Well construction diagram of subject well.
8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

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	
<input type="checkbox"/> Denied	<input checked="" type="checkbox"/> Approved
15-Day Periods Ends: <u>11/14/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>11/14/2012</u>

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.



KGS STATUS

- ◇ DA/PA
- ⊕ EOR
- ☼ GAS
- △ INJ/SWD
- OIL
- ✱ OIL/GAS
- OTHER

Carlson, Barry L 5-1
5-28S-17E
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 Click Goal Seek SSP Click		
2	Parameters	Units	Input	Input	Input	Input	Input				
3	Select the brines	Select fluid by checking the box(es),	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed brine: Cell H28 is			
4	Sample ID							STP calc. pH.			
5	Date		3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	Cells H35-38 are used in mixed brines calculations.			
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock				
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith				
8	Location		#34-1	#4-1	#5-4	#1	#2				
9	Field		CBM	CBM	Bartles	Bartles	Bartles				
10	Na ⁺	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	S/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	SiO ₂	(mg/l) SiO ₂						0.00	-3.47	-3.36	0.12
24	HCO ₃ Alkalinity**	(mg/l as HCO ₃)	190.00	234.00	259.00	268.00	254.00	241.03	Celestite		
25	CO ₃ Alkalinity	(mg/l as CO ₃)									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH ₃						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H ₃ BO ₃						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	18.78	22.41	35.53	33.79	26.16			
32	H ₂ S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
33	Total H ₂ Saq	(mgH ₂ S/l)	1.00	1.00	1.00	1.00	0.50	0.90	-0.74	-0.51	0.23
34	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63	Inhibitor needed (mg/L)		
	Choose one option to calculate SI?	0-CO ₂ %+Alk, 1-pH+Alk, 2-CO ₂ %+pH							Calcite	NTMP	
35	Gas/day(thousand cf/day)	(Mcf/D)	0	0	0	0	0	0	0.00	0.00	
36	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	BHPMP	
37	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	
38	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)							(Enter H40-H43)	pH		
39	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	
40	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	Viscosity (CentiPoise)		
41	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	
42	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capacity (cal/ml°C)		
43	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	
44	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
45	Gas Sp.Grav.	Sp.Grav.						0.60	Gypsum	HDTMP	
46	MeOH/Day	(B/D)	0					0	0.00	0.00	
47	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
48	Conc. Multiplier								0.00	0.00	
49	H ⁺ (Strong acid) [†]	(N)									
50	OH ⁻ (Strong base) [†]	(N)									
51	Quality Control Checks at STP:										
52	H ₂ S Gas	(%)									
53	Total H ₂ Saq (STP)	(mgH ₂ S/l)									
54	pH Calculated	(pH)									
55	PCO ₂ Calculated	(%)									
56	Alkalinity Calculated	(mg/l) as HCO ₃									
57	ECations=	(equiv/l)									
58	EAnions=	(equiv/l)									
59	Calc TDS=	(mg/l)									
60	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)					
61	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
62	Have ScaleSoft/Fitser			2	BHPMP	°C	80	°F	176		
63	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m ³	100	ft ³	3,531		
64	If No, inhibitor # is:	4	#	4	DTPMP	m ³	100	bbt(42 US gal)	629		
65	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
66	1 st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		
67	% of 1 st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
68	2 nd inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbt(42 US gal)	238		
69	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbt(42 US gal)	63		
70				10	Mixed						

Saturation Index Calculations

Champion Technologies, Inc.
(Based on the Tomson-Oddo Model)

Brine 1: Ward Feed Yard 34-1

Brine 2: Ward Feed Yard 4-1

Brine 3: Clinesmith 5-4

Brine 4: Clinesmith 1

Brine 5: Clinesmith 2

Component (mg/L)	Ratio					Mixed Brine
	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	
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

ORIGINAL

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

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: Michael Drilling
License: 33783

Wellsite Geologist: Ken Recco
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. _____
7/7/06 7/8/06 7/21/06
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 205-26792-00-00
County: Wilson
_____ ne _____ ne Sec. 5 Twp. 28 S. R. 17 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: Carlson, Barry L. Well #: 5-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 988 Kelly Bushing: n/a
Total Depth: 1235 Plug Back Total Depth: 1228.34
Amount of Surface Pipe Set and Cemented at 21' 6" Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1228.34
feet depth to surface w/ 120 ^{sq cmt.}
AK2-Dg-12/3/08

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: 11/6/06
Subscribed and sworn to before me this 6th day of November
2006.
Notary Public: Sandra 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
RECEIVED
NOV 9 7 2006
UIC Distribution
KCC WICHITA

Operator Name: Quest Cherokee, LLC Lease Name: Carlson, Barry L. Well #: 5-1
 Sec. 5 Twp. 28 S. R. 17 East West County: Wilson

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

Drill Stem Tests Taken Yes No Log Formation (Top), Depth and Datum Sample
 (Attach Additional Sheets) Name Top Datum
 Samples Sent to Geological Survey Yes No See attached
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron Log
 Gamma Ray Neutron Log

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	21' 6"	"A"	4	
Production	6-3/4	4-1/2	10.5#	1228.34	"A"	120	

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

PERFORATION RECORD - Bridge Plugs Set/Type **Acid, Fracture, Shot, Cement Squeeze Record**
 Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth

4	1128-1130/938-940	250gal 15% HCL w/ 550lbs 2% acid water, 4750lbs water w/ 2% KCL, Blocks, 6000# 20/40 sand	1128-1130/938-940
4	692-696/681-685	400gal 15% HCL w/ 450lbs 2% acid water, 5900lbs water w/ 2% KCL, Blocks, 13600# 20/40 sand	692-696/681-685

TUBING RECORD Size 2-3/8" Set At 1149.14 Packer At n/a Liner Run Yes No

Date of First, Resumed Production, SWD or Enhr. 8/29/06 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil n/a Bbls. Gas 6.8mcf Mcf Water 78bbls Bbls. Gas-Oil Ratio Gravity

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify)

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: 07/08/06
Lease: Carlson, Barry L.
County: Wilson
Well#: 5-1
API#: 15-205-26792-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
0-22	Overburden	635-638	Black Shale
22-104	Lime	638-663	Shale
104-188	Wet Sand	663-664	Coal
188-208	Lime	664-684	Lime
208-223	Shale	683	Gas Test 0" at 1/4" Choke
223-301	Lime	684-691	Black Shale
301-307	Shale	691-696	Lime
307-330	Lime	694	Gas Test 0" at 1/4" Choke
330-343	Sandy Shale	696-698	Black Shale
343-350	Black Shale	698-699	Coal
350-388	Lime	699-708	Sandy Shale
388-410	Shale with Lime streaks	708	Gas Test 30" at 3/4" Choke
410-420	Sandy Shale	708-720	Shale
420-452	Black Shale	720-730	Sand
452-478	Sandy Shale	730-763	Shale
478-488	Shale with Lime streaks	763-765	Coal
488-504	Lime	765-775	Shale
504-530	Shale with Lime streaks	775-778	Coal
530-540	Sand	778-784	Sand
540-560	Sandy Shale	784-794	Shale
560-602	Shale	794-819	Sand
602-605	Lime	819-820	Coal
605-609	Coal	820-868	Sand
609-635	Lime	868-968	Shale

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 10 2008

CONSERVATION DIVISION
WICHITA, KS

Michael Drilling, LLC
P.O. Box 402
Iola, KS 66749
620-365-2755

162

Company: Quest Cherokee LLC
Address: 9520 North May Ave, Suite 300
Oklahoma City, Oklahoma 73120
Ordered By: Donnie Meyers

Date: 07/03/06
Lease: Carlson, Barry L.
County: Wilson
Well#: S-1
API#: 15-285-26792-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
960-970	Coal		
970-974	Shale		
974-976	Coal		
976-990	Sandy Shale		
984	Gas Test 13" at 1-1/2" Choke		
990-1038	Sand		
1038-1039	Coal		
1039-1104	Sand		
1104-1108	Shale		
1108-1110	Coal		
1110-1128	Shale		
1128-1130	Coal		
1130-1141	Shale		
1135	Gas Test 12" at 1-1/2" Choke		
1141-1235	Mississippi Lime		
1235	Gas Test 12" at 1-1/2" Choke		
1235	TD		
	Surface 21'-6"		

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

CONSOLIDATED OIL WELL SERVICES, I
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

TIC NUMBER 07275
 LOCATION Bartlesville
 FOREMAN Tracy Williams

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-21-06		Barry Carlson 5-1	5	285	19E	Wilson
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Quest			492	Tim		
MAILING ADDRESS			497 T99	Roger M		
SSI # 615800			428	Dusty		
CITY			Quest Transports			
STATE						
ZIP CODE						

JOB TYPE LS HOLE SIZE 6 3/4 HOLE DEPTH 1235 CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1228 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 19.58 DISPLACEMENT PSI 2400 MIX PSI 0 RATE 4

REMARKS: Washed down 10 joints of casing + ran 2 sks of gel. Pumped up to cement. Ran 2 sks of gel + 14 bbl of dye. Ran 120 sks of Quickset cement. This is #5 Gilsonite. Shut down + washed up behind plus pumped customer's plug to bottom. Lost circulation + never got it back. Did circulate cement to surface though. Set shoe + shut in.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401		PUMP CHARGE Production Casing		700.00
5406	20	MILEAGE		63.00
5402	1228	Postage		208.96
5407	1228 Ton	Ton Mileage		513.24
5502C	3 hrs	80 Vac		270.00
1109A	180#	Phenoxal		180.00
1110	500#	Gilsonite		276.00
1118B	200#	Premium Gel		28.00
1126A	120 sks	Quickset		1258.00
				6.38
				SALES TAX
				ESTIMATED TOTAL
				4124.42

RECEIVED
 NOV 07 2006
 KCC WICHITA

AUTHORIZATION Kaucky Williams TITLE CPL DATE _____



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

TICKET NUMBER 1618

FIELD TICKET REF # _____

FOREMAN Joe
over saw Job

TREATMENT REPORT
& FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY		
7-21-06	Carlson Barry 5-1	5	28	17	Wk		
FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE

JOB TYPE hang string HOLE SIZE 6 3/4 HOLE DEPTH 1235 CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1228.34 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

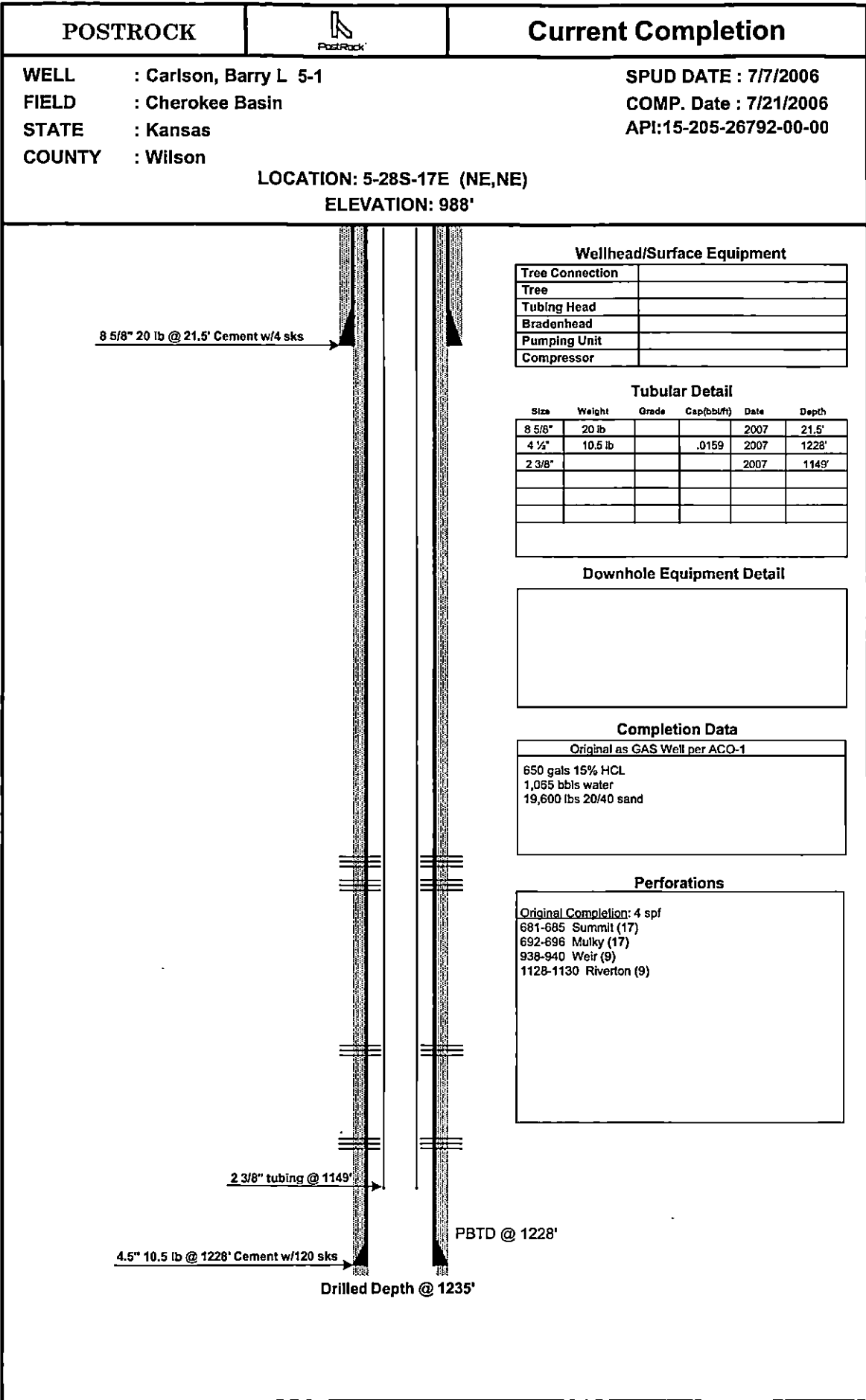
REMARKS:

Cows Cemented well.
QCOS supplied tools

1228.34	6	4 1/2 casing
	1	Centralizers
	1	4 1/2 float shoe
	1	wiper plug

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
		Foreman Pickup	
		Cement Pump Truck	
		Bulk Truck	
1104		Portland Cement	
1124		50/50 POZ Blend Cement	
1126		OWC - Blend Cement	
1110		Gilsonite	
1107		Flo-Seal	
1118		Premium Gel	
1215A		KCL	
1111B		Sodium Silicate	
1123		City Water	
903300	2 hr	Transport Truck	
607253	2 hr	Transport Trailer	
		80 Vac	

RECEIVED
NOV 07 2006
KCC WICHITA



PREPARED BY: POSTROCK
 APPROVED BY: _____

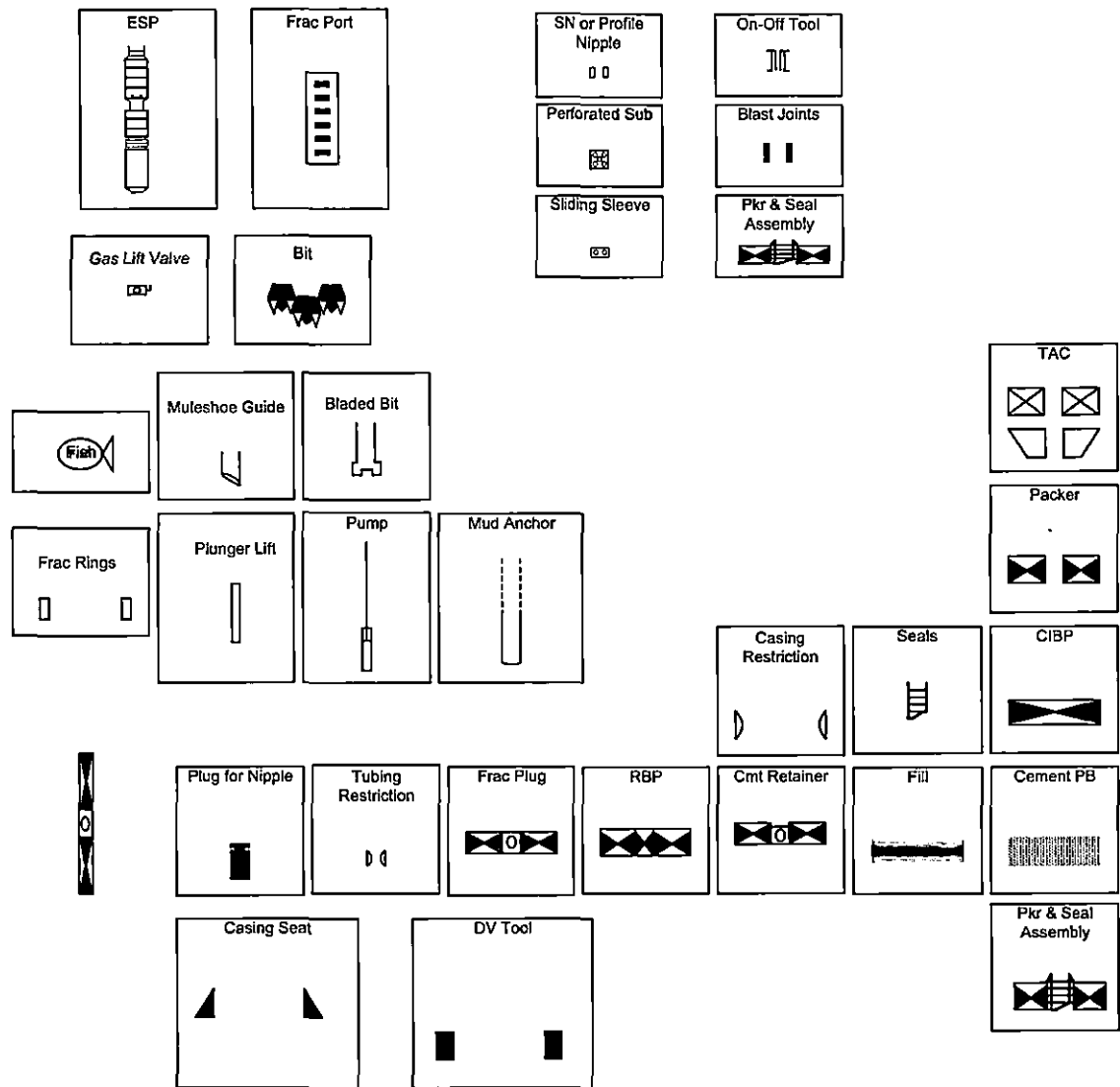
DATE: Oct, 2012
 DATE: _____

POSTROCK



LEGEND

PostRock™



AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 27th 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

29th day of October, 2012



Penny L. Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$137.20

LEGAL PUBLICATION
Published in The WICHITA EAGLE
October 27, 2012 (3214631)
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 Combing of Production in the
Carson, Barry L-5-1 located in Wilson
County, Kansas.
TO: All Oil & Gas Producers, Unleased
Mineral Interest Owners, Landowners, and
all persons whom ever concerned.
You, and each of you, are hereby notified
that Postrock Midcontinent Production,
LLC has filed an application to combine
the Summit, Munky, Weir, Riverton and
Barlesville producing formations of the
Carson, Barry L-5-1 located in the SE NW
NE, NE, S5-T285-R17E, Approximately
622 FNL & 682 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) 660-7702

Affidavit of Notice Served

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

Well Name: CARLSON, BARRY L 5-1 Legal Location: SENWNENE S5-T28S-R17E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 30th of OCTOBER, 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.

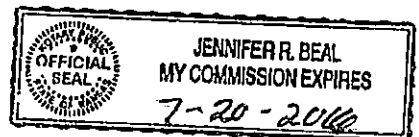
Name	Address (Attach additional sheets if necessary)
CARLSON, DAVID L	18915 WICHITA RD, CHANUTE, KS 66720
FULLER OIL	1312 E CARPENTER, IOLA, KS 66749
MCMILLEN, CLAY EUGENE	RR2, BOX 269, CHANUTE, KS 66720
SEE ATTACHED	

I further attest that notice of the filing of this application was published in the THE WILSON COUNTY CITIZEN, the official county publication of WILSON county. A copy of the affidavit of this publication is attached.

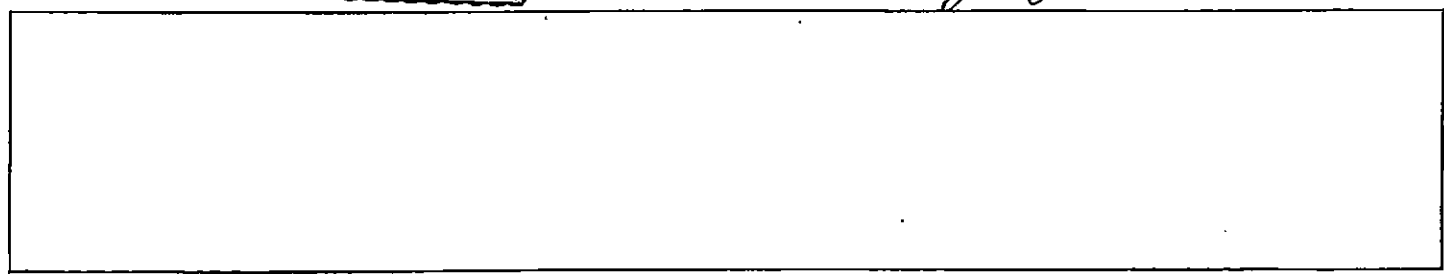
Signed this 30th day of OCTOBER, 2012

Cheryl
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 30th day of OCTOBER, 2012



Jennifer R. Beal
Notary Public
My Commission Expires: July 20, 2016



CARLSON, BARRY L 5-1

4-28S-17E

SW/4

Betty McMillen
23424 1800 Rd
Chanute, KS 66720

NW/4

Leonard G. Carlson, Life Estate
c/o David Carlson
18915 Wichita Rd.
Chanute, KS. 66720

32-27S-17E

tract in SE/4

David L. & Mary S. Carlson
18915 Wichita Rd.
Chanute, KS. 66720

CARLSON, BARRY L 5-1-APPLICATION FOR COMINGLING 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.

[Signature]
Applicant or Duly Authorized Agent

Subscribed and sworn before me this 30th day of OCTOBER, 2012



[Signature]
Notary Public

My Commission Expires: July 20, 2014



CARLSON, BARRY L 5-1

LEGAL LOCATION	SPOT	CURR_OPERA
S4-T28S-R17E	NW NE NW	Carlson, David L. (Residential)
S4-T28S-R17E	NE NW NW NW	Fuller Oil
S4-T28S-R17E	NW NW SW	McMillen, Clay Eugene (Gene)

CARLSON, BARRY L 5-1

4-28S-17E

SW/4

Betty McMillen
23424 1800 Rd
Chanute, KS 66720

NW/4

Leonard G. Carlson, Life Estate
c/o David Carlson
18915 Wichita Rd.
Chanute, KS. 66720

32-27S-17E

tract in SE/4

David L. & Mary S. Carlson
18915 Wichita Rd.
Chanute, KS. 66720

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 29th day of October, 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: \$ 36.⁹⁰

(Signed) Joseph S. Relph

Subscribed and sworn to before me, this 30th day of October, 2012

Rita M. Relph (Notary Public)

My commission expires Aug. 30, 2014

(Published in the Wilson County Citizen on Monday, October 29, 2012.)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commingling of Production in the Carlson, Barry L 6-1 located in Wilson County, Kansas.

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

You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to commingle the Summit Mulky, Weir, Riverton and Bartlesville producing formations at the Carlson, Barry L 6-1, located in the SE 1/4 NW 1/4 NE 1/4 S6-T22S-R17E, Approximately 622 FNL & 682 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 persons and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals appearing on their own behalf.

Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2760
Oklahoma City, Oklahoma 73102
(405) 680-7704
731-cpy



Conservation Division
Finney State Office Building
130 S. Market, Rm. 207B
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 14, 2012

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

RE: Approved Commingling CO111206
Carlson, Barry L. 5-1, Sec. 5-T28S-R17E, Wilson County
API No. 15-205-26792-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on November 8, 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 CO111206 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