



KANSAS CORPORATION COMMISSION 1097672
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID #* **CO111208**
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 - 15-133-27099-00-00
Spot Description: _____
NW SE SE NW Sec. 17 Twp. 27 S. R. 19 East West
2059 Feet from North / South Line of Section
2028 Feet from East / West Line of Section
County: Neosho
Lease Name: BRAZLE, FRANK K. Well #: 17-1

1. Name and upper and lower limit of each production interval to be commingled:
- | | |
|-----------------------------|-------------------------|
| Formation: <u>SUMMIT</u> | (Perfs): <u>569-573</u> |
| Formation: <u>MULKY</u> | (Perfs): <u>580-584</u> |
| Formation: <u>CROWEBURG</u> | (Perfs): <u>683-684</u> |
| Formation: <u>CROWEBURG</u> | (Perfs): <u>685-687</u> |
| Formation: <u>FLEMING</u> | (Perfs): <u>717-719</u> |

2. Estimated amount of fluid production to be commingled from each interval:
- | | | | |
|-----------------------------|----------------|-----------------|-------------------|
| Formation: <u>SUMMIT</u> | BOPD: <u>0</u> | MCFPD: <u>3</u> | BWPD: <u>4.44</u> |
| Formation: <u>MULKY</u> | BOPD: <u>0</u> | MCFPD: <u>3</u> | BWPD: <u>4.44</u> |
| Formation: <u>CROWEBURG</u> | BOPD: <u>0</u> | MCFPD: <u>3</u> | BWPD: <u>4.44</u> |
| Formation: <u>CROWEBURG</u> | BOPD: <u>0</u> | MCFPD: <u>3</u> | BWPD: <u>4.44</u> |
| Formation: <u>FLEMING</u> | BOPD: <u>0</u> | MCFPD: <u>3</u> | BWPD: <u>4.44</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>11/27/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>11/27/2012</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.

	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				Click
3	Select the brines	Select fluid						Mixed brine:			
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.			
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38	Goal Seek SSP		Click
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith	are used in			
8	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines		Click	
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)	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	18.76	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.							Calcite	NTMP	
		1-pH+Alk.									
		2-CO ₂ %+pH	0	0	0	0	0				
35	Gas/day (thousand cf/day)	(Mcf/D)						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)		
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	ΣCations=	(equiv./l)									
58	ΣAnions=	(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 ScaleSoftPitzer			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	bbl(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	Barr	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	bbl(42 US gal)	238		
69	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbl(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

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

12/13/09

CONFIDENTIAL

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
License: 33783
Wellsite Geologist: Ken Recoy

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

8/18/07	8/19/07	8/22/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-27099-0000
County: Neosho
_____ se nw Sec. 17 Twp. 27 S. R. 19 East West
1980 feet from S / (N) (circle one) Line of Section
1980 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE **(NW)** SW
Lease Name: Brazle, Frank K. Well #: 17-1

Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 995 Kelly Bushing: n/a
Total Depth: 1086 Plug Back Total Depth: 1077.18
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1077.18
feet depth to surface _____ w/ 165 sx cm.

Drilling Fluid Management Plan AKINS 3-16-09
(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: 12/14/07
Subscribed and sworn to before me this 14th day of December,
20 07.
Notary Public: Debra Klaueman
Date Commission Expires: 8-4-2010

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

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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DEC 18 2007
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Quest Cherokee, LLC Lease Name: Brazle, Frank K. Well #: 17-1
 Sec. 17 Twp. 27 S. R. 19 East West County: Neosho

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

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached

Compensated Density Neutron Log
 Dual Induction Log
 Gamma Ray Neutron Log

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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"	22	22	"A"	5	
Production	6-3/4	4-1/2	10.5	1077.18	"A"	165	

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				

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	984-987	400gal 15% HCL w/ 45 bbls 2% KCL water, 645bbls water w/ 2% KCL, Blockin, 3000# 20/40 sand	984-987
4	817-819/803-805/771-773/717-719/683-684/685-687	500gal 15% HCL w/ 45 bbls 2% KCL water, 745bbls water w/ 2% KCL, Blockin, 6500# 20/40 sand	817-819/803-805 771-773/717-719 683-684/685-687
4	580-584/569-573	300gal 15% HCL w/ 45 bbls 2% KCL water, 645bbls water w/ 2% KCL, Blockin, 6500# 20/40 sand	580-584/569-573

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	1009	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
9/17/07		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	9.1mcf	89.2bbls		

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: _____

QUEST CHEROKEE, LLC
 17-1
 Brazle, Frank K.

QUEST

Resource Corporation



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

SSI 623450
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TICKET NUMBER **2171**

FIELD TICKET REF # _____

FOREMAN Dwayne

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-22-07	Brazle Frank 17-1	17	27	19	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Dwayne	7:00	10:45	NO	901640		3.75 hr	<i>[Signature]</i>
Maurick	7:00	10:45		903197		3.75 hr	
Tim A.	6:45	10:45		903140	T33	4 hr	<i>[Signature]</i>
Kevin	7:00	10:45		931300	932895	3.75 hr	Kevin McHugh
Gary C.	7:00	10:45		931500		3.75 hr	<i>[Signature]</i>
Tyler	7:00	10:45				3.75 hr	

JOB TYPE Long String HOLE SIZE 6 3/4 HOLE DEPTH 1085 CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1077.18 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 17.19 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 8 PM

REMARKS:

Wash to TD Then Pump 2 Sacks Prem gel and Sweep to Surface
 Then Pump 1 Sack Prem gel Followed By 12 Bbl Dye Marker and Start
 Cement. Pump 165 Sacks Cement to get Dye Marker Back. Flush
 Pump Then Pump wiper Plug to Bottom and Set Float Shoe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
	1077.18	4 1/2 Casing	
	5	4 1/2 centralizers	
	1	4 1/2 Flex Shoe	
901640	3.75 hr	Foreman Pickup	
903197	3.75 hr	Cement Pump Truck	
903600	3.75 hr	Bulk Truck	
1104	155 Sack	Portland Cement	
1124	2	5000 PPF Blend Cement FRac BoFFles 3" 5 1/2	
1126	1	OPV Blend Cement 4 1/2 Wiper Plug	
1110	16 Sack	Gilsonite	
1107	1 Sack	Flo-Seal	
1118	Sack	Premium Gel	
1215A	1 Gal	KCL	
1111B	3	Sodium Silicate cal chloride	
1123	7000 Gal	City Water	
903140	3.75 hr	Transport Truck	
T33	3.75 hr	Transport Trailer	
931500	3.75 hr	80 Vac	

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CONSERVATION DIVISION
WICHITA, KS

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

DEC 13 2007

KCC

081907

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

Date: 08/19/07
Lease: Brazie, Frank K.
County: Neosho
Well#: 17-1
API#: 15-133-27099-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
0-22	Overburden	579-585	Black Shale
22-40	Sandy Shale	585	Gas Test 44# at 3/8" Choke
40-70	Lime and Shale	585-587	Coal
70-115	Lime	587-612	Sandy Shale
115-123	Sandy Shale	612-658	Sand
123-130	Lime	658-659	Lime
130-140	Sand and Sandy Shale	659-660	Coal
140-152	Lime	660-678	Shale
152-158	Shale	678-680	Lime
158-198	Lime	680-682	Coal
198-352	Shale	682-700	Shale
352-360	Lime	700-702	Coal
360-382	Sandy Shale	702-730	Shale
382-395	Lime	730-731	Lime
395-455	Shale	731-732	Coal
455-457	Coal	732-742	Shale
457-505	Lime	742-743	Coal
505-508	Black Shale	743-751	Sand
508-541	Shale	751-762	Sandy Shale
541-542	Coal	762-770	Shale
542-565	Lime	770-771	Coal
557	Gas Test 44# at 3/8" Choke	771-793	Sand
565-572	Black Shale	793-800	Shale
572-579	Lime	800-801	Coal

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CONSERVATION DIVISION
WICHITA, KS

Michael Drilling, LLC

**P.O. Box 402
Iola, KS 66749
620-365-2755**

081907
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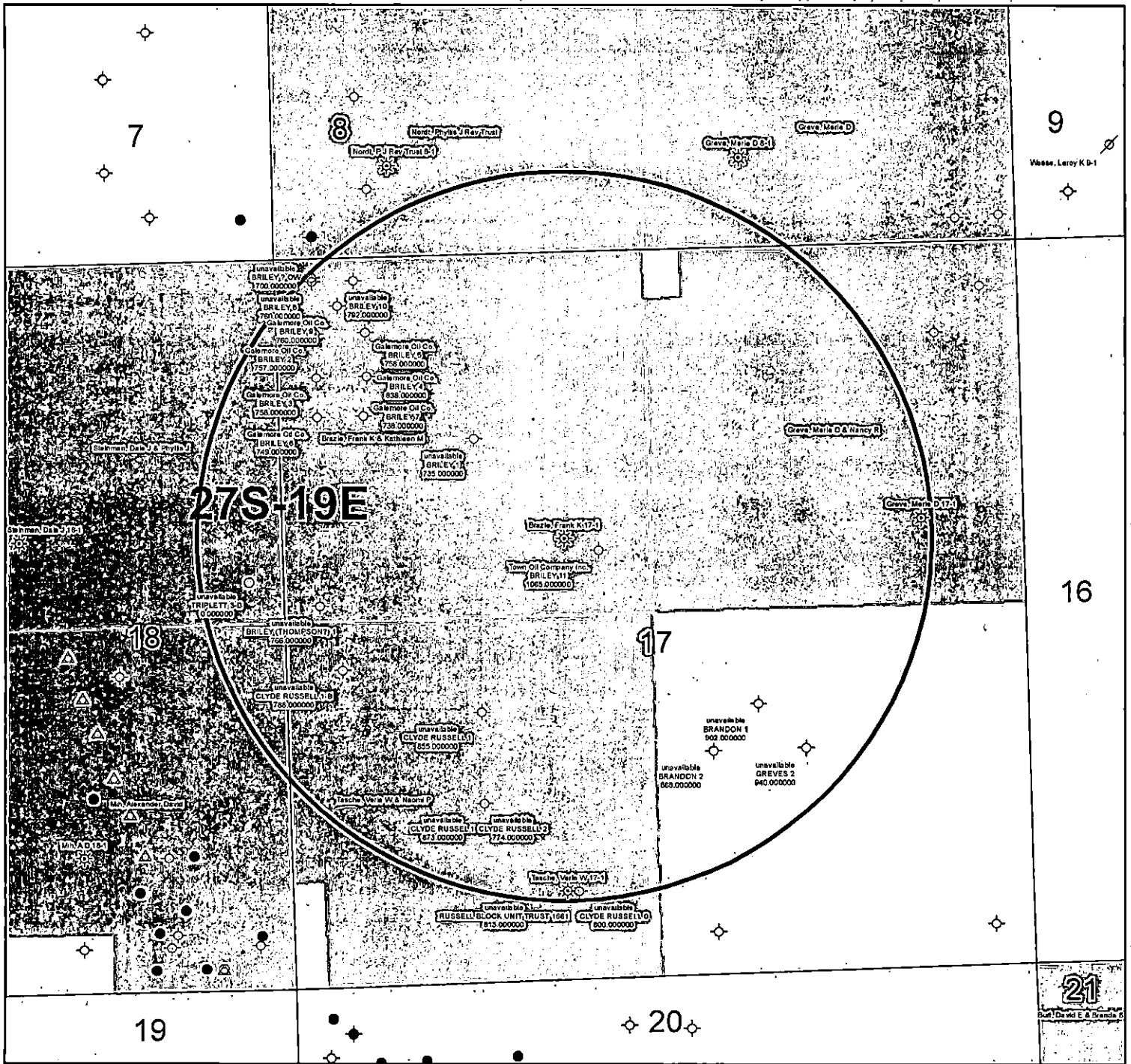
Company: Quest Cherokee LLC
Address: 9520 North May Ave, Suite 300
Oklahoma City, Oklahoma 73120
Ordered By: Donnie Meyers

Date: 08/19/07
Lease: Brazie, Frank K.
County: Neosho
Well#: 17-1
API#: 15-133-27099-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
801-818	Sand		
818-819	Coal		
819-852	Shale		
852-900	Sand		
900-902	Coal		
902-916	Shale		
916-917	Coal		
917-940	Sand		
940-941	Coal		
941-958	Sand		
958-979	Shale		
979-981	Coal		
981-984	Shale		
982	Gas Test 30# at 3/4" Choke		
984-1085	Mississippi Lime		
1009	Gas Test 30# at 3/4" Choke		
1085	Gas Test 30# at 3/4" Choke		
1085	TD		
	Surface 22'		

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 18 2007
CONSERVATION DIVISION
WICHITA, KS



KGS STATUS

◇	DA/PA
⊕	EOR
⊛	GAS
△	INJ/SWD
●	OIL
✱	OIL/GAS
○	OTHER

Brazle, Frank K 17-1
 17-27S-19E
 1" = 1,000'

21
 Surf, David E. & Brenda S.

POSTROCK



Current Completion

WELL : Brazle, Frank K 17-1
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Neosho

SPUD DATE : 8/18/2007
COMP. Date : 8/22/2007
API: 15-133-27099-00-00

LOCATION: 17-27S-19E (SE,NW)
ELEVATION: 995'

8 5/8" 22 lb @ 22' Cement w/5 sks

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"	22 lb			2007	22'
4 1/2"	10.5 lb		.0159	2007	1077'
2 3/8"				2007	1009'

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1
1,200 gals 15% HCL
1,835 bbls water
17,400 lbs 20/40 sand

Perforations

Original Completion: 4 spf
569-573 Summit (17)
580-584 Mulky (17)
683-684 Croweburg (4)
685-687 Croweburg (9)
717-719 Fleming (9)
771-773 Tebo (9)
803-805 Weir (9)
817-819 Weir (9)
984-987 Riverton (13)

2 3/8" tubing @ 1009'

4.5" 10.5 lb @ 1077' Cement w/165 sks

PBTD @ 1077'

Drilled Depth @ 1086'

PREPARED BY: POSTROCK
APPROVED BY: _____

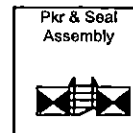
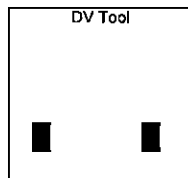
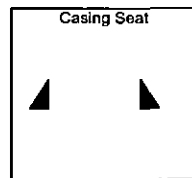
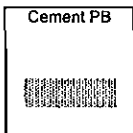
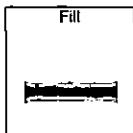
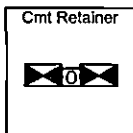
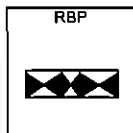
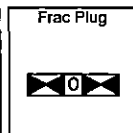
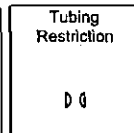
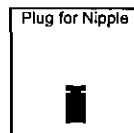
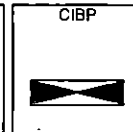
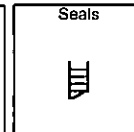
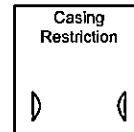
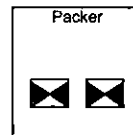
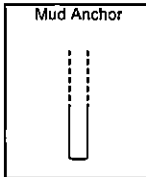
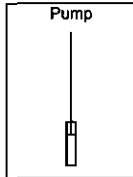
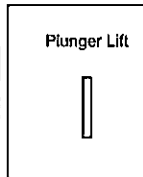
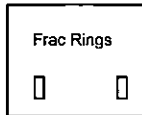
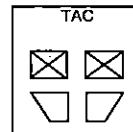
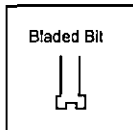
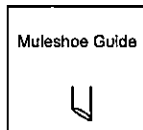
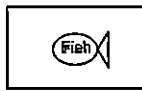
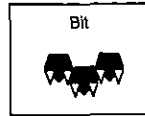
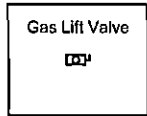
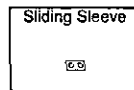
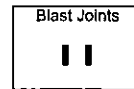
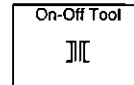
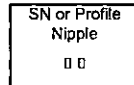
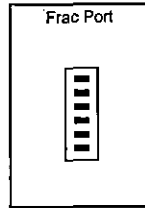
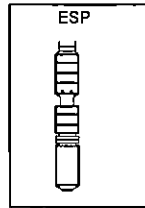
DATE: OCT, 2012
DATE: _____

POSTROCK



LEGEND

PostRock



Affidavit of Notice Served

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

Well Name: BRAZLE, FRANK K 17-1 Legal Location: NWSEENW S17-T27S-19E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 12th of NOVEMBER, 2012, a true and correct copy of the applicallon 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)
GALEMORE OIL CO	305 E RUTLIDGE, YATES CENTER, KS 66783
TOWN OIL COMPANY INC	16205 W 287TH ST, PAOLA, KS 66071
SEE ATTACHED	

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

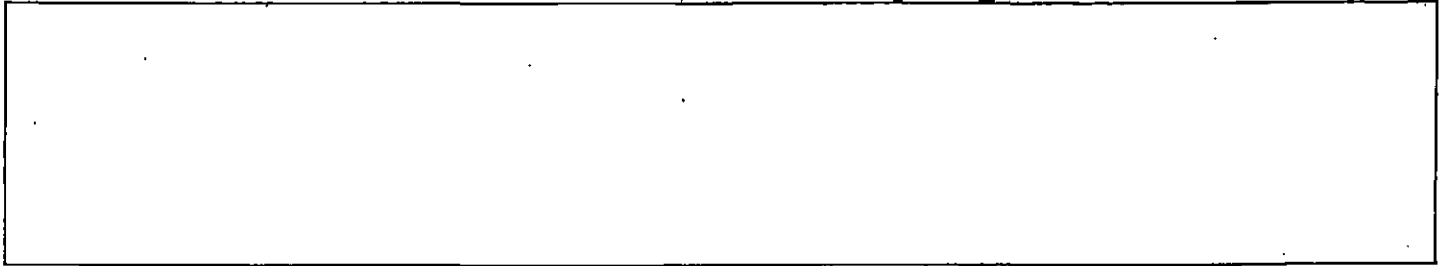
Signed this 12th day of NOVEMBER, 2012

Jeff Morris
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 12th day of NOVEMBER, 2012



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



BRAZLE, FRANK K 17-1

17-27S-19E

tract in NWNE Yvette Almanza
PO Box 299
Chanute, KS 66720

SE4 Jack A. Suit
612 S Sunset Ave
Chanute, KS 66720

BRAZLE, FRANK K 17-1-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

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
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_____	_____
_____	_____
_____	_____

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

Jeff Marris
 Applicant or Duly Authorized Agent

Subscribed and sworn before me this 12th day of NOVEMBER, 2012



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

BRAZLE, FRANK K 17-1

17-27S-19E

tract in NWNE Yvette Almanza
PO Box 299
Chanute, KS 66720

SE4 Jack A. Suit
612 S Sunset Ave
Chanute, KS 66720

BRAZLE, FRANK K 17-1

LEGAL LOCATION	SPOT	CURR_OPERA
S17-T27S-R19E	SW NW NW NW	Galemore Oil Co.
S17-T27S-R19E	NW SW NW NW	Galemore Oil Co.
S17-T27S-R19E	NE SW NW NW	Galemore Oil Co.
S17-T27S-R19E	SE NW NW NW	Galemore Oil Co.
S17-T27S-R19E	SW SW NW NW	Galemore Oil Co.
S17-T27S-R19E	SE SW NW NW	Galemore Oil Co.
S17-T27S-R19E	C NW NW NW	Galemore Oil Co.
S17-T27S-R19E	SE SE NW	Town Oil Company Inc.

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:

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 Appl. Expires 5/28/2014

Penny L. Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$132.40

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
NOVEMBER 9, 2012 (3216893)
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 Commencing of Production in the Brastle, Frank K-17-1 located in Neosho County, Kansas.
TO: All Oil & Gas Producers, Unbased 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 commence the Summit, Mulky, Crownburg, Fleming, Tebo, Weir, Riverton and Barlesville producing formations at the Brastle, Frank K-17-1, located in the NW SE SE NW, S17-T275-R19E, Approximately 2059 FNL & 2028 FWL, Neosho County, Kansas.
Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.
All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All 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 2750
Oklahoma City, Oklahoma 73102
(405) 460-7704

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: \$ 37⁷³

(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

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commingling of Production in the Sell Family Trust 10-2 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 Beaver, Crowburg, Fleming, Tebo, Weir, Rowe and Bartlesville producing formations at the Sell Family Trust 10-2, located in the NW 3/4 NE SW 1/4, S10-T28S-R16E, Approximately 1875 FNL & 2095 FWL, 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 2750
Oklahoma City, Oklahoma 73102
(405) 680-7704
78-1 cpy



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

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/>

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

Sam Brownback, Governor

November 27, 2012

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

RE: Approved Commingling CO111208
Brazle, Frank K. 17-1 Sec. 17-T27S-R19E, Neosho County
API No. 15-133-27099-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on November 19, 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 CO111208 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