



KANSAS CORPORATION COMMISSION 1093852
 OIL & GAS CONSERVATION DIVISION

Form ACO-4
 Form must be typed
 March 2009

APPLICATION FOR COMMINGLING OF **Commingling ID # CO101218**
 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 - 15-133-27110-00-00
 Spot Description: _____
SE NW NE SE Sec. 19 Twp. 27 S. R. 19 East West
2108 Feet from North / South Line of Section
854 Feet from East / West Line of Section
 County: Neosho
 Lease Name: RENSING, LLOYD E. Well #: 19-1

1. Name and upper and lower limit of each production interval to be commingled:
 Formation: SUMMIT (Perfs): 575-579
 Formation: MULKY (Perfs): 587-591
 Formation: CROWEBURG (Perfs): 675-678
 Formation: FLEMING (Perfs): 711-713
 Formation: WEIR (Perfs): 818-820

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

Formation: <u>SUMMIT</u>	BOPD: <u>0</u>	MCFPD: <u>4.8</u>	BWPD: <u>11.6</u>
Formation: <u>MULKY</u>	BOPD: <u>0</u>	MCFPD: <u>4.8</u>	BWPD: <u>11.6</u>
Formation: <u>CROWEBURG</u>	BOPD: <u>0</u>	MCFPD: <u>4.8</u>	BWPD: <u>11.6</u>
Formation: <u>FLEMING</u>	BOPD: <u>0</u>	MCFPD: <u>4.8</u>	BWPD: <u>11.6</u>
Formation: <u>WEIR</u>	BOPD: <u>0</u>	MCFPD: <u>4.8</u>	BWPD: <u>11.6</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>11/8/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>11/08/2012</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 Goal Seek SSP		Click
2	Parameters	Units	Input	Input	Input	Input	Input				Click
3	Select the brines	Select fluid						Mixed brine:			Click
4	Sample ID	by checking						Cell H28 is			Click
5	Date	the box(es),	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.			Click
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38			Click
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			Click
9	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.			Click
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
11	K ⁺ (if not known =0)	(mg/l)						0.00	Saturation Index values		(Final-Initial)
12	Mg ²⁺	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	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	Str ²⁺	(mg/l)						0.00	Barite		
15	Ba ²⁺	(mg/l)						0.00	Halite		
16	Fe ²⁺	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21			
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)							Iron Sulfide		
26	Carboxylic acids**	(mg/l)						0.00			
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)		
35	Choose one option to calculate SI?	0-CO ₂ +Alk, 1-pH+Alk, 2-CO ₂ +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/°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 ₂ S Gas	(%)									
54	Total H ₂ Saq (STP)	(mgH ₂ S/l)									
55	pH Calculated	(pH)									
56	PCO ₂ Calculated	(%)									
57	Alkalinity Calculated	(mg/l) as HCO ₃									
58	ECations=	(equiv./l)									
59	EAnions=	(equiv./l)									
60	Calc TDS=	(mg/l)									
61	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)			Value		
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	1 st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		
68	% of 1 st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
69	2 nd inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238		
70	Display act. coeffs?	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

Component (mg/L)	Ratio					
	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
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Part Must Be Typed

ORIGINAL

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

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. _____

<u>9/10/07</u>	<u>9/11/07</u>	<u>9/20/07</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-27110-0000
County: Neosho
_____ ne _____ se Sec. 19 Twp. 27 S. R. 19 East West
1980 feet from S N (circle one) Line of Section
854 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Rensing, Lloyd E. Well #: 19-1
Field Name: Cherokee Basin CBM
Producing Formation: multiple
Elevation: Ground: 965 Kelly Bushing: n/a
Total Depth: 1113 Plug Back Total Depth: 1102
Amount of Surface Pipe Set and Cemented at 21.5 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1102
feet depth to surface w/ 150 sx cm.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) *ALT II WITH 1-18-08*
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: 1/7/08
Subscribed and sworn to before me this 7th day of January
20 08.
Notary Public: Jessa Klauman
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: _____ **RECEIVED**
 Wireline Log Received **KANSAS CORPORATION COMMISSION**
 Geologist Report Received **JAN 10 2008**
 UIC Distribution
**CONSERVATION DIVISION
WICHITA, KS**

Operator Name: Quest Cherokee, LLC Lease Name: Rensing, Lloyd E. Well #: 19-1
 Sec. 19 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

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	21.5	"A"	5	
Production	6-3/4	4-1/2	10.5	1102	"A"	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	818-820/711-713/675-678	300gal 15%KCLw/ 43 bbls 2%KCl water, 549bbls water w/ 2% KCL, Biocide, 5700# 20/40 sand	818-820/711-713 675-678
4	587-591/575-579	300gal 15%KCLw/ 83 bbls 2%KCl water, 530bbls water w/ 2% KCL, Biocide, 6300# 20/40 sand	587-591/575-579

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-3/8"	875	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method				
12/28/07			<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 Bb.s.	Gas Mcf	Water Bb.s.	Gas-Oil Ratio	Gravity		
	n/a	5mcf	56.5bbls				

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 _____

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: 09/11/07
Lease: Rensing, Lloyd E.
County: Neosho
Well#: 19-1
API#: 15-133-27110-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
0-22	Overburden	587-590	Black Shale and Coal
22-50	Shale	590-653	Sandy Shale
50-115	Lime	610	Gas Test 20# at 3/4" Choke
115-125	Shale	653-654	Coal
125-130	Lime	654-664	Shale
130-140	Sand Sandy Shale	664-666	Lime
140-200	Lime	666-668	Coal
200-250	Sand Sandy Shale	668-700	Shale
250-310	Sandy Shale	700-702	Coal
310-318	Sand	702-722	Sandy Shale
318-353	Sandy Shale	722-724	Coal
353-385	Lime	724-758	Sand
385-470	Sandy Shale	758-760	Coal
470-474	Lime	760-792	Sand
474-477	Coal	792-793	Coal
477-510	Lime	793-812	Sandy Shale
510-513	Black Shale	812-813	Coal
513-550	Sandy Shale	813-865	Shale
550-551	Coal	865-867	Coal
551-573	Lime	867-915	Sandy Shale
560	Gas Test 0# at 1/4" Choke	915-975	Sand
573-580	Black Shale	960	Gas Test 20# at 3/4" Choke
580-587	Lime	975-978	Coal
583	Gas Test 0# at 1/4" Choke	978-996	Shale

JAN 10 2008

CONSERVATION DIVISION
WICHITA, KS

091107

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: 09/11/07
Lease: Rensing, Lloyd E.
County: Neosho
Well#: 19-1
API#: 15-133-27110-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
980	Gas Test 20# at 3/4" Choke		
996-1110	Mississippi Lime		
1010	Gas Test 20# at 3/4" Choke		
1110	Gas Test 20# at 3/4" Choke		
1110	TD		
	Surface 22'		

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

QUEST

Resource Corporation

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

TICKET NUMBER **2478**

FIELD TICKET REF # _____

FOREMAN J. Fine

623540

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER			SECTION	TOWNSHIP	RANGE	COUNTY
9-20-07	Rensing Lloyd 17-1			19	27	19	NO
FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe	7:00	10:15		903127		3.25	<i>Joe</i>
MANUELICK	7:00	↓		903177		↓	<i>Man</i>
Tyler	7:00	↓		903600		↓	<i>Tyler</i>
Toni	6:45	↓				3.5	<i>Toni</i>
Daniel	6:45	↓		931420		3.5	<i>Daniel</i>

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1113 CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1101.82 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 17.57 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4bpm

REMARKS:

Installed cement head Ran 2 hrs and 4 1/2 hrs of cement to get dye to surface. Flush pump. Pump pump plug to bottom & set float shoe

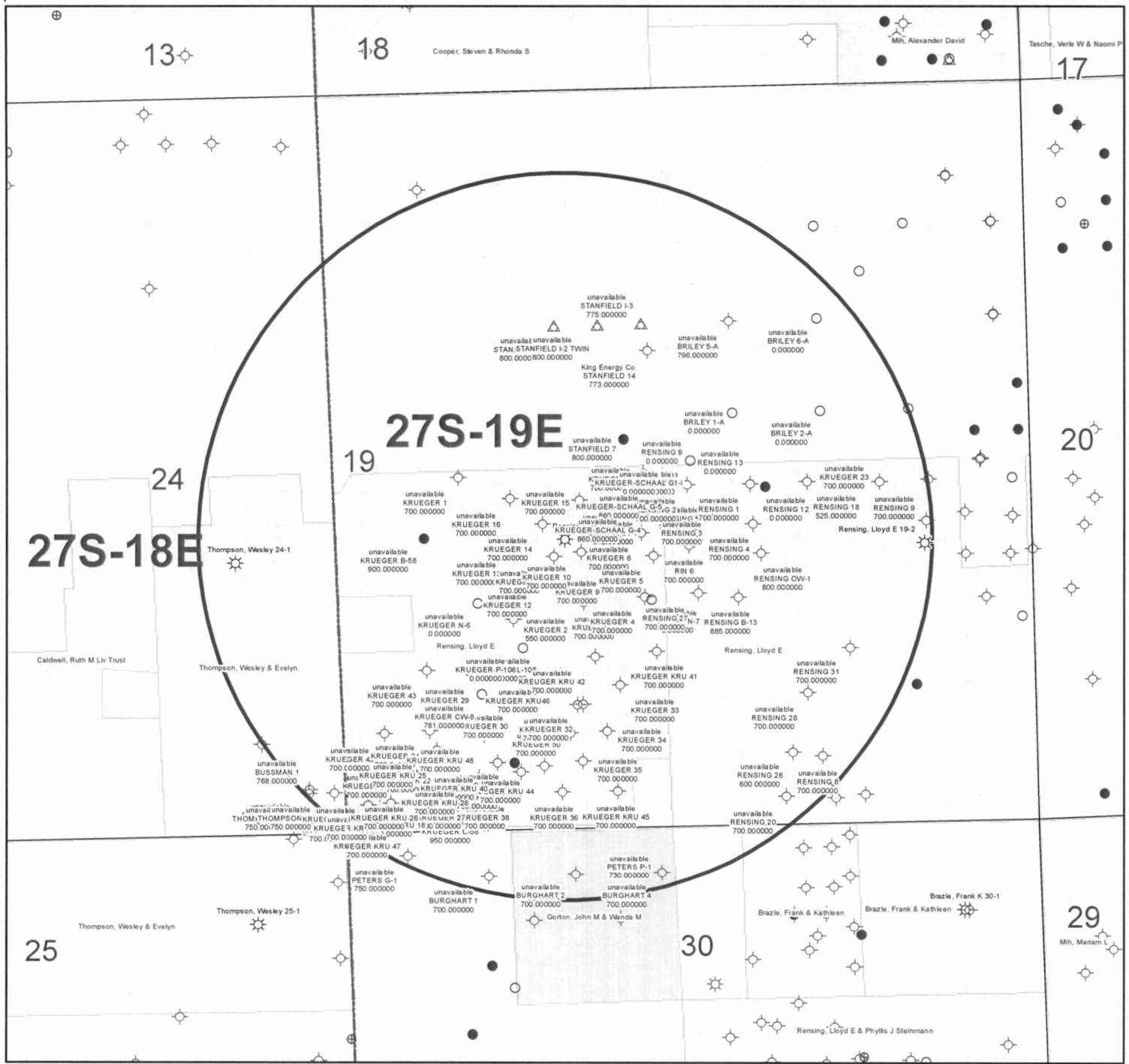
1101.82	Ft 4 1/2 Casing
6	Centralizers
1	4 1/2" Float shoe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	3.25 hr	Foreman Pickup	
903177	↓ hr	Cement Pump Truck	
903600	↓ hr	Bulk Truck	
1104	140 SK	Portland Cement	
1124	1	60/50 POZ Blend Cement Baffles 3 3"	
1126	1	QWC Blend Cement	
1110	15 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	2 SK	Premium Gel	
1215A	log	KCL	
1111B	3 SK	Sodium Silicate <u>Calcchloride</u>	
1123	700 gal	City Water	
903414	3.5 hr	Transport Truck	
932170	3.5 hr	Transport Trailer	
931420	3.5 hr	80 Vac	

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 10 2008

CONSERVATION DIVISION
MICHATA, KS



KGS STATUS

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

Rensing, Lloyd E 19-1
 19-27S-19E
 1" = 1,000'

POSTROCK

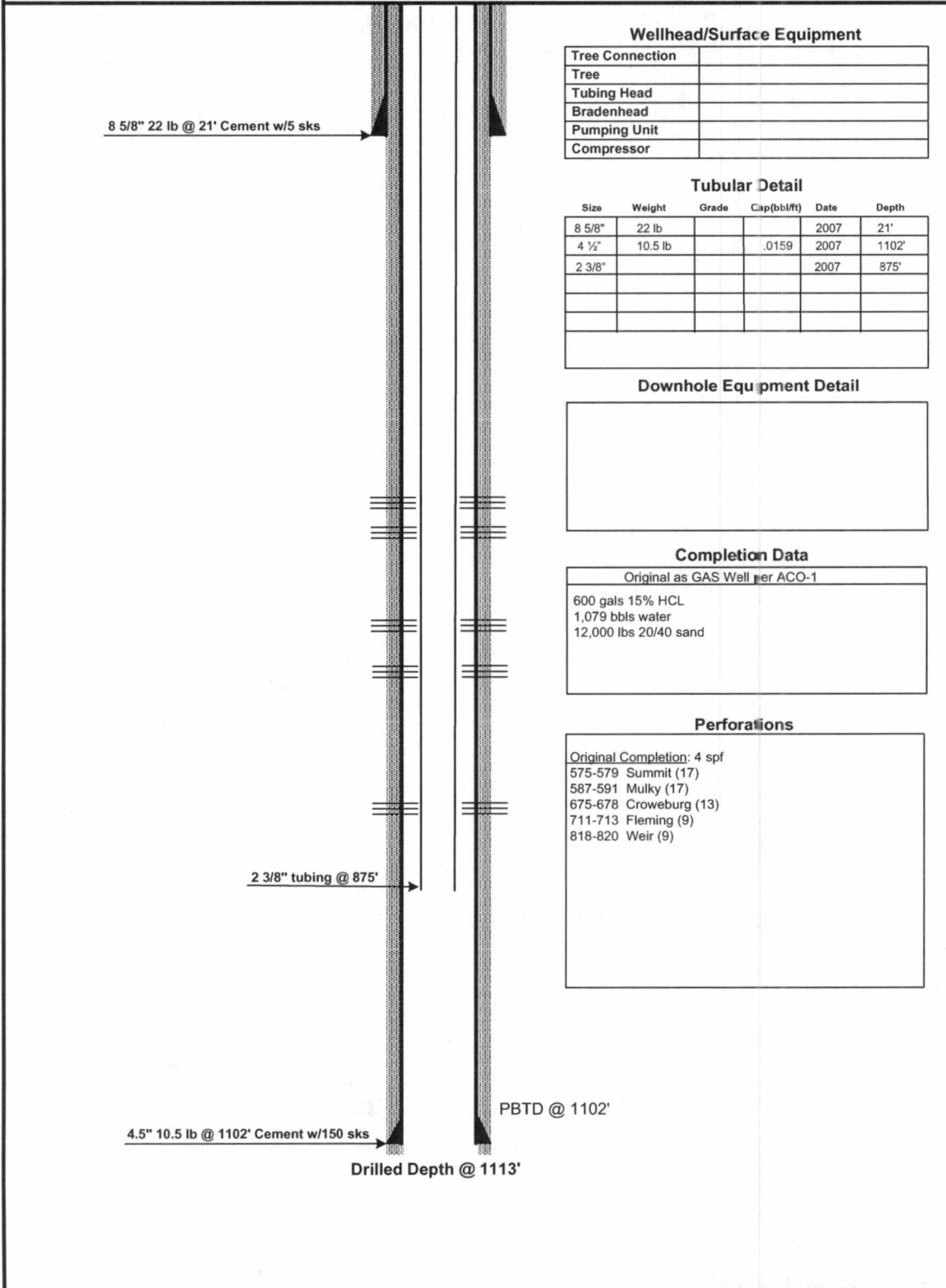


Current Completion

WELL : Rensing, Lloyd E 19-1
 FIELD : Cherokee Basin
 STATE : Kansas
 COUNTY : Neosho

SPUD DATE : 9/10/2007
 COMP. Date : 9/20/2007
 API: 15-133-27110-00-00

LOCATION: 19-27S-19E (NE,SE)
 ELEVATION: 965'



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	21'
4 1/2"	10.5 lb		.0159	2007	1102'
2 3/8"				2007	875'

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1
600 gals 15% HCL
1,079 bbbls water
12,000 lbs 20/40 sand

Perforations

Original Completion: 4 spf
575-579 Summit (17)
587-591 Mulky (17)
675-678 Croweburg (13)
711-713 Fleming (9)
818-820 Weir (9)

PREPARED BY: POSTROCK _____
 APPROVED BY: _____

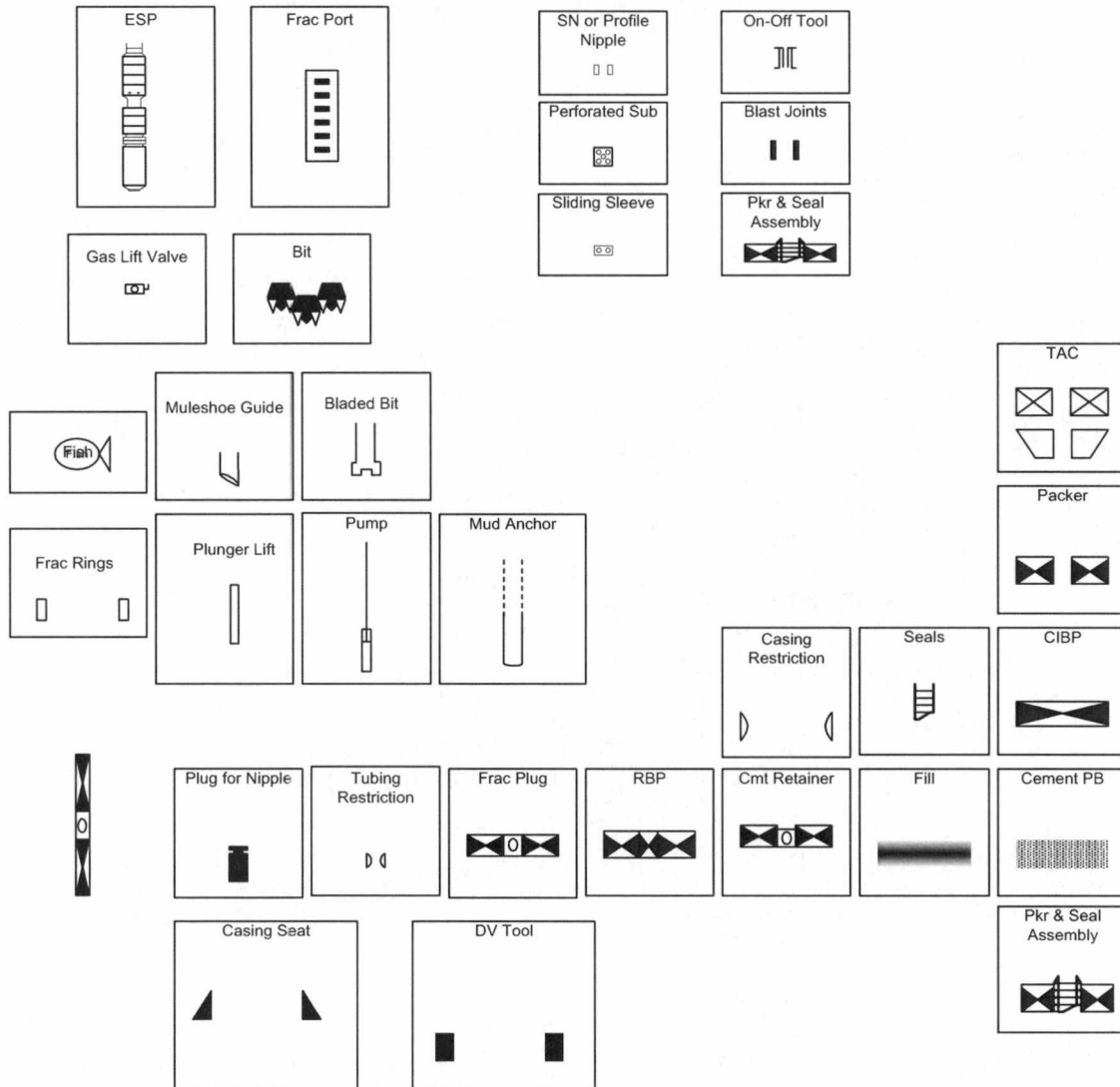
DATE: Sept, 2012 _____
 DATE: _____

POSTROCK



LEGEND

PostRock®



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 **Rensing, Lloyd E 19-1** located in **Neosho** County, Kansas.

TO: All Oil & Gas Producers, Un-leased 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, Croweburg, Fleming, Weir and Cattleman** producing formations at the **Rensing, Lloyd E 19-1**, located in the **SE NW NE SE, S19-T27S-R19E, Approximately 2108 FSL & 854 FEL, 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 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

A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS

Affidavit of Publication

STATE OF KANSAS, NEOSHO COUNTY, ss:
Rhonda Howerter, being first duly sworn, deposes and says: That *she* is *Classified Manager* of *THE CHANUTE TRIBUNE*, a daily newspaper printed in the State of Kansas, and published in and of general circulation in Neosho County, Kansas, with a general paid circulation on a daily basis in Neosho County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a daily published at least weekly 50 times a year: has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Chanute, in said county as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for 1 consecutive time, the first publication thereof being made as aforesaid on the 10 day of October 2012, with subsequent publications being made on the following dates:

_____, 2012 _____, 2012

_____, 2012 _____, 2012

Rhonda Howerter

Subscribed and sworn to and before me this 10 day of October, 2012

[Signature]
Notary Public


My commission expires: January 9, 2015

Printer's Fee \$ 70.14

Affidavit, Notary's Fee \$ 3.00

Additional Copies \$ _____

Total Publication Fees \$ 73.14

 **SHANNA L. GUIOT**
Notary Public - State of Kansas
My Appt. Expires

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 11th of

October A.D. 2012 , with

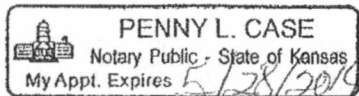
subsequent publications being made on the following dates:

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

11th day of October, 2012



Penny L Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$132.40

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
OCTOBER 11, 2012 (3211688)
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 Rensing, Lloyd E 19-1
located in Neosho 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, Crowburg, Fleming, Weir
and Cattleman producing formations at the
Rensing, Lloyd E 19-1, located in the SE NW
NE SE, S19-T27S-R19E, Approximately 2108
FSL & 854 FEL, 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 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 2250
Oklahoma City, Oklahoma 73102
(405) 660-7704

Affidavit of Notice Served

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

Well Name: RENSING, LLOYD E 19-1 Legal Location: SEWNENESE S19-T27S-R19E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 24th 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)

KING ENERGY CO

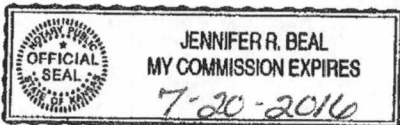
2 TIMBER DR, IOLA, KS 66749

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 24th day of OCTOBER, 2012

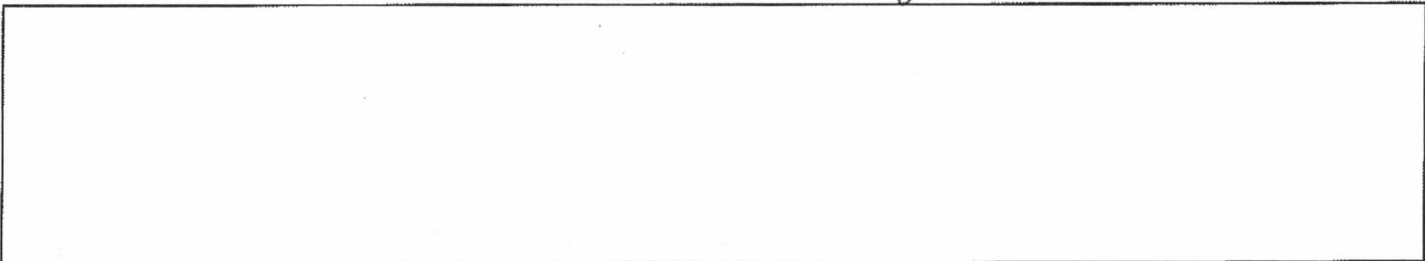
Ch... ..
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 24th day of OCTOBER, 2012



Jennifer R. Beal
Notary Public

My Commission Expires: July 20, 2016



RENSING, LLOYD E 19-1

19-27S-19E

NE4 less Michael Watts & Barbara A Watts
21350 Jackson Rd
Chanute, KS 66720

NW4 less Kynta Lou Leonard
PO Box 309
Cripple Creek, CO 80813

trct in NW Matthew & Jennifer Richard
20155 Harper Rd
Chanute, KS 66720

SW less Elliott Family Revocable Inter Vivos Trust
19730 Irving Rd
Chanute, KS 66720

trct in SW Daniel R Saubers
21300 Irving Rd
Chanute, KS 66720

trct in SW Robert R. Sr. & Earla Allen
9450 210th Rd
Chanute, KS 66720

30-27S-19E

trct in E2NWNW David & Sarah Cadwallader
10625 210th Rd
Chanute, KS 66720

Tracts in NWNW

Eruc J. Tincher
20970 Irving Rd
Chanute, KS 66720

Glenn Wrestler Rev. Trust
4680 S Santa Fe
Chanute, KS 66720

Dennis E & Nadine M. Peters
9075 210th Rd
Chanute, KS 66720

RWD #7
PO Box 179
Chanute, KS 66720

Trct in NW4NE4 Guy E. & Cynthia Catterson
9555 210th Rd
Chanute, KS 66720

24-27S-18E

N2 SE4 Michael Watts & Barbara A Watts
21350 Jackson Rd
Chanute, KS 66720

tracts in NE

USD #413
315 W 35th
Chanute, KS 66720

Bryant E. Bryant
8900 Hwy 39
Chanute, KS 66720

Harry D Fenton
120 E Chapel St
Rockton, IL 61072

Kraig E. Follmer
8805 Hwy 39
Chanute, KS 66720

RENSING, LLOYD E 19-1-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:

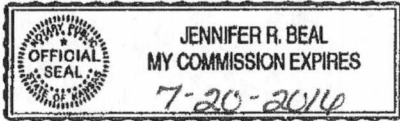
SEE ATTACHED

Multiple horizontal lines provided for listing acreage and leasehold descriptions.

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

Lloyd E Rensing
Applicant or Duly Authorized Agent

Subscribed and sworn before me this 24th day of OCTOBER, 2012



Jennifer R. Beal
Notary Public
My Commission Expires: July 20, 2014

Large empty rectangular box at the bottom of the page, likely for a signature or additional notes.

RENSING, LLOYD E 19-1

LEGAL LOCATION	SPOT	CURR_OPERA
S19-T27S-R19E	SE NE SE NW	King Energy Co.

RENSING, LLOYD E 19-1

19-27S-19E

NE4 less Michael Watts & Barbara A Watts
21350 Jackson Rd
Chanute, KS 66720

NW4 less Kynta Lou Leonard
PO Box 309
Cripple Creek, CO 80813

tract in NW Matthew & Jennifer Richard
20155 Harper Rd
Chanute, KS 66720

SW less Elliott Family Revocable Inter Vivos Trust
19730 Irving Rd
Chanute, KS 66720

tract in SW Daniel R. Saubers
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315 W 35th
Chanute, KS 66720

Bryant E. Bryant
8900 Hwy 39
Chanute, KS 66720

Harry D Fenton
120 E Chapel St
Rockton, IL 61072

Kraig E. Follmer
8805 Hwy 39
Chanute, KS 66720

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 8, 2012

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

RE: Approved Commingling CO101218
Rensing, Lloyd E. 19-1, Sec. 19-T27S-R19E, Neosho County
API No. 15-133-27110-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on October 26, 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 Weir 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 CO101218 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