



KANSAS CORPORATION COMMISSION 1097682  
OIL & GAS CONSERVATION DIVISION

Form ACO-4  
Form must be typed  
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID # CO111207*  
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 - 15-133-26839-00-00  
Spot Description: \_\_\_\_\_  
SW NE NE NE Sec. 1 Twp. 27 S. R. 19  East  West  
636 Feet from  North /  South Line of Section  
657 Feet from  East /  West Line of Section  
County: Neosho  
Lease Name: WALTERMIRE LIVING TRUST Well #: 1-1

1. Name and upper and lower limit of each production interval to be commingled:  
Formation: SUMMIT (Perfs): 501-505  
Formation: MULKY (Perfs): 511-515  
Formation: CROWEBURG (Perfs): 609-612  
Formation: FLEMING (Perfs): 637-639  
Formation: RIVERTON (Perfs): 895-897

2. Estimated amount of fluid production to be commingled from each interval:  
Formation: SUMMIT BOPD: 0 MCFPD: 0 BWPD: 4  
Formation: MULKY BOPD: 0 MCFPD: 0 BWPD: 4  
Formation: CROWEBURG BOPD: 0 MCFPD: 0 BWPD: 4  
Formation: FLEMING BOPD: 0 MCFPD: 0 BWPD: 4  
Formation: RIVERTON BOPD: 0 MCFPD: 0 BWPD: 4

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.  
 4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

**For Commingling of PRODUCTION ONLY, include the following:**

5. Wireline log of subject well. Previously Filed with ACO-1:  Yes  No  
 6. Complete Form ACO-1 (*Well Completion form*) for the subject well.

**For Commingling of FLUIDS ONLY, include the following:**

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

**AFFIDAVIT:** I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Submitted Electronically

**KCC Office Use Only**  
 Denied  Approved  
15-Day Periods Ends: 11/27/2012  
Approved By: Rick Hestermann Date: 11/27/2012

*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 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	Goal Seek SSP		Click	
4	Sample ID	Row 3						STP calc. pH. Cells H35-38 are used in mixed brines calculations.			Click	
5	Date		3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012		Initial(BH)		Final(WH)	
6	Operator		PostRock	PostRock	PostRock	PostRock	PostRock				Saturation Index values	
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith		0.00	0.00	0.00	
8	Location		#34-1	#4-1	#5-4	#1	#2		995.91	995.91	995.91	
9	Field		CBM	CBM	Bariles	Bariles	Bariles		2040.23	2040.23	2040.23	
10	Na <sup>+</sup>	(mg/l)*	19,433.00	27,381.00	26,534.00	25,689.00	24,220.00	24654.20	0.00	0.00	0.00	
11	K <sup>+</sup> (If not known =0)	(mg/l)							0.00	0.00	0.00	
12	Mg <sup>2+</sup>	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	0.00	0.00	0.00	
13	Ca <sup>2+</sup>	(mg/l)	1,836.00	2,452.00	2,044.00	1,920.00	1,948.00	2040.23	0.00	0.00	0.00	
14	Sr <sup>2+</sup>	(mg/l)						0.00	0.00	0.00	0.00	
15	Ba <sup>2+</sup>	(mg/l)						0.00	0.00	0.00	0.00	
16	Fe <sup>2+</sup>	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	0.00	0.00	0.00	
17	Zn <sup>2+</sup>	(mg/l)						0.00	0.00	0.00	0.00	
18	Pb <sup>2+</sup>	(mg/l)						0.00	0.00	0.00	0.00	
19	Cl <sup>-</sup>	(mg/l)	36,299.00	48,965.00	47,874.00	45,632.00	43,147.00	44,388.44	0.00	0.00	0.00	
20	SO <sub>4</sub> <sup>2-</sup>	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	0.00	0.00	0.00	
21	F <sup>-</sup>	(mg/l)						0.00	0.00	0.00	0.00	
22	Br <sup>-</sup>	(mg/l)						0.00	0.00	0.00	0.00	
23	SiO <sub>2</sub>	(mg/l) SiO <sub>2</sub>						0.00	0.00	0.00	0.00	
24	HCO <sub>3</sub> Alkalinity**	(mg/l as HCO <sub>3</sub> )	190.00	234.00	259.00	268.00	254.00	241.03	0.00	0.00	0.00	
25	CO <sub>3</sub> Alkalinity	(mg/l as CO <sub>3</sub> )							0.00	0.00	0.00	
26	Carboxylic acids**	(mg/l)						0.00	0.00	0.00	0.00	
27	Ammonia	(mg/L) NH <sub>3</sub>						0.00	0.00	0.00	0.00	
28	Borate	(mg/L) H <sub>3</sub> BO <sub>3</sub>						0.00	0.00	0.00	0.00	
29	TDS (Measured)	(mg/l)						72781	0.00	0.00	0.00	
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1.050	1.048	1.045	1.047	0.00	0.00	0.00	
31	CO <sub>2</sub> Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16	0.00	0.00	0.00	
32	H <sub>2</sub> S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	0.00	0.00	0.00	
33	Total H <sub>2</sub> Saq	(mgH <sub>2</sub> S/l)	1.00	1.00	1.00	1.00	0.50	0.90	0.00	0.00	0.00	
34	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63	0.00	0.00	0.00	
35	Choose one option to calculate SI†	1-pH+Alk, 2-CO <sub>2</sub> +pH	0	0	0	0	0	0	0.00	0.00	0.00	
36	Gas/day(thousand cf/day)	(Mcf/D)							0.00	0.00	0.00	
37	Oil/Day	(B/D)	0	0	1	1	1	4	0.00	0.00	0.00	
38	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	0.00	
39	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)								(Enter H40-H43)			
40	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	5.60	
41	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	0.00	0.00	0.00	
42	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	0.826	
43	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	0.955	0.959	0.959	
44	Use TP on Calcite sheet?	1-Yes;0-No							0.00	0.00	0.00	
45	API Oil Grav.	API grav.						30.00	0.00	0.00	0.00	
46	Gas Sp.Grav.	Sp.Grav.						0.60	0.00	0.00	0.00	
47	MeOH/Day	(B/D)	0					0	0.00	0.00	0.00	
48	MEG/Day	(B/D)	0					0	0.00	0.00	0.00	
49	Conc. Multiplier								0.00	0.00	0.00	
50	H <sup>+</sup> (Strong acid) †	(N)							0.00	0.00	0.00	
51	OH <sup>-</sup> (Strong base) †	(N)							0.00	0.00	0.00	
52	Quality Control Checks at STP:											
53	H <sub>2</sub> S Gas	(%)										
54	Total H <sub>2</sub> Saq (STP)	(mgH <sub>2</sub> S/l)										
55	pH Calculated	(pH)										
56	PCO <sub>2</sub> Calculated	(%)										
57	Alkalinity Calculated	(mg/l) as HCO <sub>3</sub>										
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)						
62	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value			
63	Have ScaleSoftPizer			2	BHPMP	°C	80	°F	176			
64	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m <sup>3</sup>	100	ft <sup>3</sup>	3,531			
65	If No, inhibitor # is:	4	#	4	DTPMP	m <sup>3</sup>	100	bb(42 US gal)	629			
66	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074			
67	1 <sup>st</sup> inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194			
68	% of 1 <sup>st</sup> inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193			
69	2 <sup>nd</sup> inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bb(42 US gal)	238			
70	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bb(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					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 <sub>2</sub> 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

9/11/09

Form ACD-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**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: TXD  
 License: 33837  
 Wellsite Geologist: Ken Recoy  
 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. \_\_\_\_\_  
 5/22/07    5/26/07    5/29/07  
 Spud Date or    Date Reached TD    Completion Date or  
 Recompletion Date       Recompletion Date

**KCC  
SEP 11 2009  
CONFIDENTIAL**

API No. 15 - 133-26839-0000  
 County: Neosho  
 \_\_\_\_\_ ne ne Sec. 1 Twp. 27 S. R. 19  East  West  
660 feet from S /  (circle one) Line of Section  
660 feet from  (circle one) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one)  NE  SE  NW  SW  
 Lease Name: Waltermire Living Trust Well #: 1-1  
 Field Name: Cherokee Basin CBM  
 Producing Formation: Multiple  
 Elevation: Ground: 992 Kelly Bushing: n/a  
 Total Depth: 1024 Plug Back Total Depth: 1008.33  
 Amount of Surface Pipe Set and Cemented at 20 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1008.33  
 feet depth to surface w/ 135 sx cmt.  
 Drilling Fluid Management Plan ATL NJ 2-1809  
 (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: 9/11/07  
 Subscribed and sworn to before me this 11<sup>th</sup> day of September  
20 07  
 Notary Public: Debra Klauman  
 Date Commission Expires: 8-4-2010

**A 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  
**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**SEP 12 2007**

**CONSERVATION DIVISION  
WICHITA, KS**

Operator Name: Quest Cherokee, LLC Lease Name: Waltermire Living Trust Well #: 1-1  
 Sec. 1 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, lime 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Log Dual Induction Log Gamma Ray Neutron Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum See attached
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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	20	"A"	5	
Production	6-3/4	4-1/2	10.5	1008.33	"A"	135	

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	895-897	300gal 15% HCL w/ 33 bbls 2% KCl water, 497bbls water w/ 2% KCL, Biocide, 5600# 20/40 sand	895-897
4	637-639/609-612	300gal 15% HCL w/ 37 bbls 2% KCl water, 505bbls water w/ 2% KCL, Biocide, 3300# 20/40 sand	637-639/609-612
4	511-515/501-505	300gal 15% HCL w/ 32 bbls 2% KCl water, 758bbls water w/ 2% KCL, Biocide, 7900# 20/40 sand	511-515/501-505

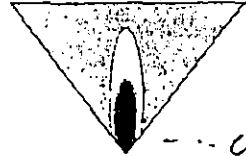
TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	956	n/a		
Date of First, Resumed Production, SWD or Enhr.			Producing Method			
8/22/07			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.
	n/a		0mcf		0bbls	
			Gas-Oil Ratio		Gravity	

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease     
  Open Hole    Perf.    Dually Comp.    Commingled  
*(If vented, Submit ACO-18.)*     
  Other (Specify) \_\_\_\_\_

# QUEST

Resource Corporation



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

KCC  
SEP 11 2007  
CONFIDENTIAL

TICKET NUMBER 2210

FIELD TICKET REF #

FOREMAN Joe

### TREATMENT REPORT & FIELD TICKET CEMENT

20350

DATE	WELL NAME & NUMBER			SECTION	TOWNSHIP	RANGE	COUNTY
5-29-07	Waltermire Liv. trust 1-1			1	27	19	NO
FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	6:45	9:45		903427		3	Joe B
MAVIRICK D	7:00			903197		2.75	
Tyler G	7:00			903206			
Gary C	7:00			931500			
MAVIRICK D	7:15	9:30		903139	932452	2.35	MAVIRICK D

JOB TYPE lung string HOLE SIZE 6 3/4 HOLE DEPTH 1024 CASING SIZE & WEIGHT 4 1/2 10.5  
 CASING DEPTH 1008.33 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 6.08 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS:

Installed cement head Pass 1 SK gel & 10 bbl dye & 135 SKS of  
 Cement to get dye to surface. flush pump. Pump wiper plug to bottom  
 & set float shoe

	1008.33	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
9031127	3 hr	Foreman Pickup	
903197	2.75 hr	Cement Pump Truck	
903206	2.75 hr	Bulk Truck	
1104	125 SK	Portland Cement	
1124		50/50 POZ Blend Cement	
1126	1	OWC Blend Cement 4 1/2 wiper plug	
1110	13 SK	Gilsonite	
1107	1 SK	Flo-Seal	
1118	1 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate catch lard	
1123	7000 gal	City Water	
903139	2.75 hr	Transport Truck	
932452	2.25 hr	Transport Trailer	
931500	2.25 hr	80 Vac	

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 12 2007

CONSERVATION DIVISION  
WICHITA, KS

TXD SERVICES LP

DRILLERS LOG

TXD SERVICES LP

RIG #	101	S. 1	T. 27	R. 19		
API #	133-26839	County:	Neosho	436'	no blow	
Elev:	992'	Location	Kansas	467'	no blow	
				498'	no blow	
Operator:	Quest Cherokee, LLC			529'	no blow	
Address:	9520 N. May Ave, Suite 300			591'	no blow	
	Oklahoma City, OK. 73120			622'	no blow	
Well #	1-1	Lease Name	Waltermine Liv. Trust	653'	no blow	
Footage Location	660 ft from the		N Line	715'	no blow	
	660 ft from the		E Line	746'	no blow	
Drilling Contractor:	TXD SERVICES LP			808'	5 - 1"	57.7
Spud Date:	5/22/2007	Geologist:		839'	2 - 3/4"	20
Date Comp:	5/26/2007	Total Depth:	1025'	870'	no blow	
Exact spot Location:	NE NE			901'	slight blow	
				932'	6 - 1/2"	15.4
				1025'	GCS	
Surface	Production					
Size Hole	12-1/4"	6-3/4"				
Size Casing	8-5/8"	4-1/2"				
Weight	24#					
Setting Depth	21'					
Type Cement	portland					
Sacks						

KCC  
SEP 11 2007  
CONFIDENTIAL

KCC  
SEP 11 2007  
CONFIDENTIAL

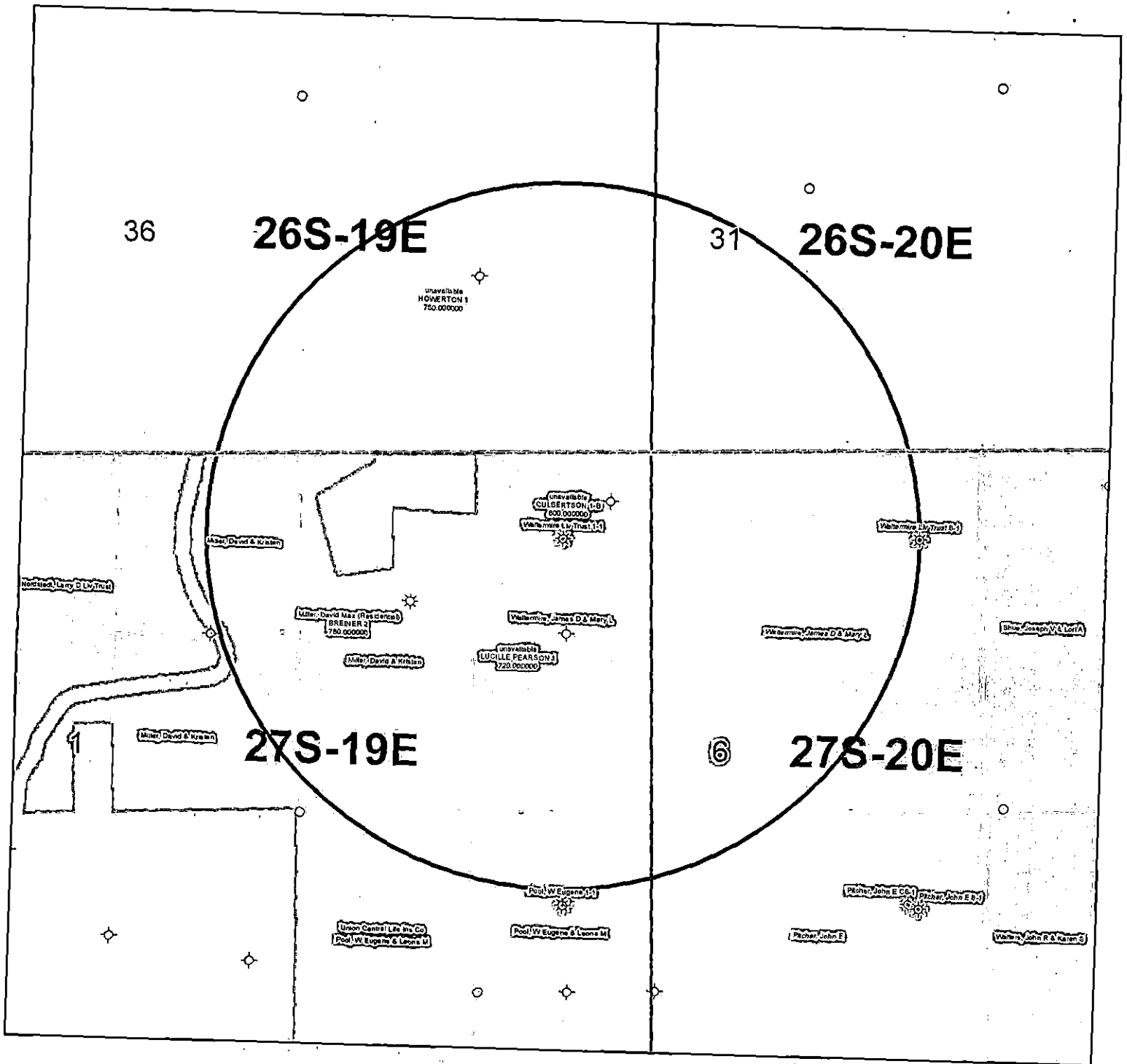
Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
top soil	0	4	shale	432	433	coal	637	639
shale	4	25	b.shale	433	435	shale	639	657
lime	25	50	lime	435	442	sand	657	666
shale	50	66	shale	442	443	shale	666	688
lime	66	90	b.shale	443	445	coal	688	689
shale	90	98	shale	445	460	sand	689	695
lime	98	120	lime	460	471	shale	695	741
shale	120	122	shale	471	480	b.shale	741	743
b.shale	122	123	coal	480	481	shale	743	765
shale	123	126	lime	481	502	sand	765	843
lime	126	132	b.shale	502	504	coal	843	844
sand	132	144	shale	504	507	sand	844	891
shale	144	287	coal	507	508	coal	891	892
b.shale	287	289	shale	508	510	shale	892	896
shale	289	309	lime	510	514	coal	896	897
lime	309	322	shale	514	515	shale	897	926
shale	322	340	b.shale	515	517	mississippi	926	1026
lime	340	350	shale	517	587			
shale	350	414	coal	587	588			
lime	414	416	shale	588	607			
b.shale	416	418	b.shale	607	609			
coal	418	419	coal	609	610			
lime	419	432	shale	610	637			

812' added water.

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 12 2007

CONSERVATION DIVISION



**KGS STATUS**

- ◇ DAPA
- ⊙ EOR
- ⊛ GAS
- △ INJ/SWD
- OIL
- \* OIL/GAS
- OTHER

Waltermire Liv Trust 1-1  
 1-27S-19E  
 1" = 1,000'



POSTROCK



**Current Completion**

**WELL** : Waltermire Living Trust 1-1  
**FIELD** : Cherokee Basin  
**STATE** : Kansas  
**COUNTY** : Neosho

**SPUD DATE** : 5/22/2007  
**COMP. Date** : 5/29/2007  
**API**: 15-133-26839-00-00

**LOCATION**: 1-27S-19E (NE,NE)  
**ELEVATION**: 992'

8 5/8" 22 lb @ 20' Cement w/5 sks

2 3/8" tubing @ 956'

4.5" 10.5 lb @ 1008' Cement w/135 sks

PBTD @ 1008'

Drilled Depth @ 1024'

**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	20'
4 1/2"	10.5 lb		.0159	2007	1008'
2 3/8"				2007	956'

**Downhole Equipment Detail**


**Completion Data**

Original as GAS Well per ACO-1
900 gals 15% HCL
1,760 bbls water
16,800 lbs 20/40 sand

**Perforations**

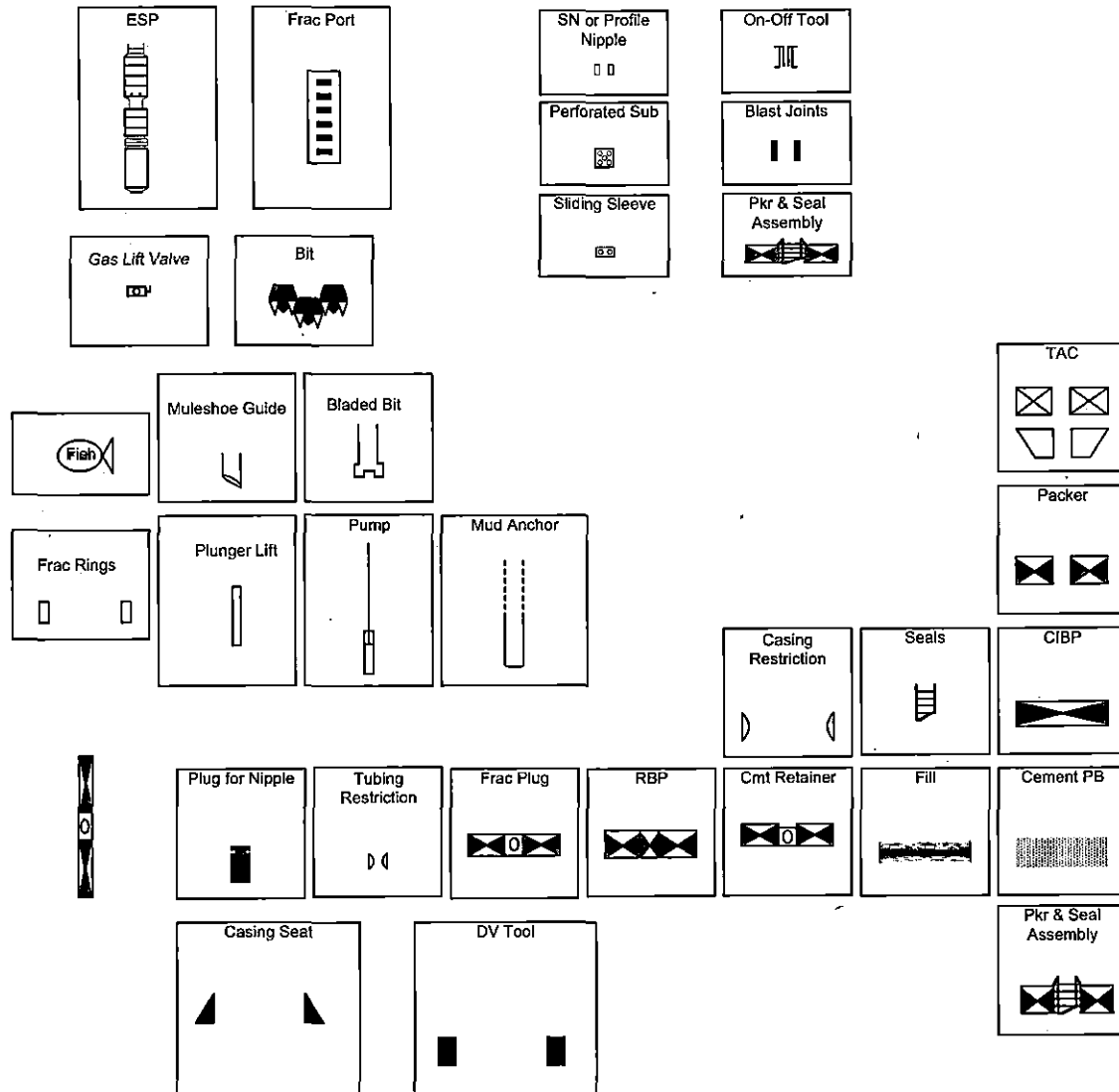
Original Completion: 4 spf
501-505 Summit (17)
511-515 Mulky (17)
609-612 Croweburg (13)
637-639 Fleming (9)
895-897 Riverton (9)

# POSTROCK



## LEGEND

PostRock





WALTERMIRE LIVING TRUST 1-1-APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

[Empty box]

[Empty box]

Offset Operators, Unleased Mineral Owners and Landowners acreage  
(Attach additional sheets if necessary)

Name:

Legal Description of Leasehold:

SEE ATTACHED

Multiple horizontal lines for data entry under Name and Legal Description of Leasehold.

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

*Jess Morris*

Applicant, or Duly Authorized Agent

Subscribed and sworn before me this 12<sup>th</sup> day of NOVEMBER, 2012



*Jennifer R. Beal*

Notary Public

My Commission Expires: July 20, 2016

[Large empty rectangular box]

**WALTERMIRE LIVING TRUST 1-1**

<b>LEGAL LOCATION</b>	<b>SPOT</b>	<b>CURR_OPERA</b>
S1-T27S-R19E	SE NW NE	Miller, David Max (Residential)

**WALTERMIRE LIVING TRUST 1-1**

**NEOSHO**

**1-27S-19E**

tract in W2 NE Christopher & Dixie Golay  
14625 250th Rd  
Savonburg, KS 66772

**ALLEN**

**36-26S-19E**

S2 S&E of Big Creek Loren Howerton  
1776 900 St  
Colony, KS 66015

SE4 N&W of Big Creek SR Farm, LLC  
5509 Golden Bear Dr  
Overland Park, KS 66223

**31-26S-20E**

SW4 Frank & Christine Hawkinson  
3306 Alabama  
Savonburg, KS 66772

**Affidavit of Notice Served**

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

Well Name: WALTERMIRE LIVING TRUST 1-1 Legal Location: SWNENENE S1-T27S-R19E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 12<sup>th</sup> of NOVEMBER, 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)

MILLER, DAVID MAX (RESIDENTIAL)  
  
SEE ATTACHED

14475 250TH RD, SAVONBURG, KS 66772

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.

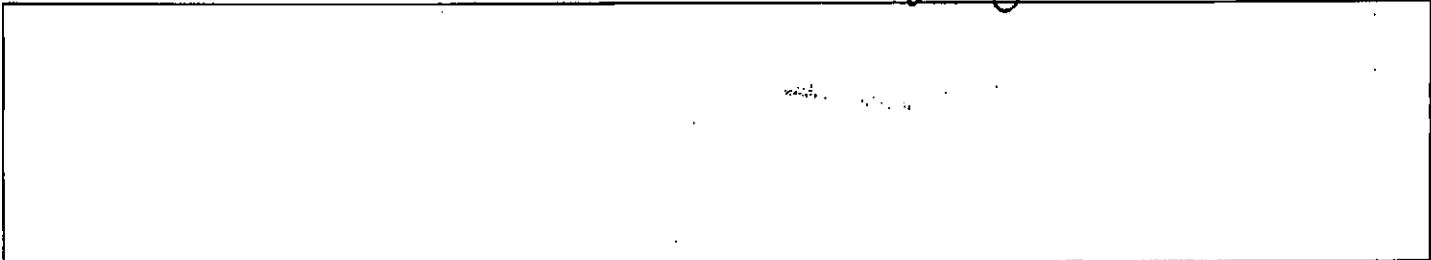
Signed this 12<sup>th</sup> day of NOVEMBER, 2012

Jess Morris  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 12<sup>th</sup> day of NOVEMBER, 2012



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



**WALTERMIRE LIVING TRUST 1-1**

**NEOSHO**

**1-27S-19E**

tract in W2 NE Christopher & Dixie Golay  
14625 250th Rd  
Savonburg, KS 66772

**ALLEN**

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**31-26S-20E**

SW4 Frank & Christine Hawkinson  
3306 Alabama  
Savonburg, KS 66772



**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 Appt. Expires 5/28/2014

*Penny L. Case*
Notary Public Sedgwick County, Kansas

Printer's Fee : \$134.80

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
NOVEMBER 9, 2012 (3216878)
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 Watermore Living Trust 3-1 located in Neosho 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 commence the Summit, Mulky, Croweburg, Fleming, Riverton, Cartleman and Bartlesville producing formations at the Watermore Living Trust 3-1, located in the SW NE NE NE 31: T27S-R19E, Approximately 636 FNL & 657 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
218 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 660-7709

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 **Waltermire Living  
Trust 1-1** 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 Midconti-  
nent Production, LLC** has filed  
an application to commingle the  
**Summit, Mulky, Croweburg,  
Fleming, Riverton, Cattleman  
and Bartlesville** producing forma-  
tions at the **Waltermire Living  
Trust 1-1**, located in the SW NE  
NE NE, S1-T27S-R19E, Approxi-  
mately 838 FNL & 657 FEL,  
Neosho County, Kansas.

Any persons who object to or pro-  
test this application shall be re-  
quired to file their objections or  
protest with the Conservation Divi-  
sion of the State Corporation  
Commission of the State of Kan-  
sas 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 grant-  
ing the application may cause  
waste, violate correlative rights or  
pollute the natural resources of  
the State of Kansas.

All persons interested or con-  
cerned shall take notice of the  
foregoing and shall govern them-  
selves accordingly. All person  
and/or companies wishing to pro-  
test this application are required to  
file a written protest with the Con-  
servation Division of the Kansas  
Oil and Gas Commission.

Upon the receipt of any protest,  
the Commission will convene a  
hearing and protestants will be ex-  
pected to enter an appearance ei-  
ther 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

A COPY OF THE AFFIDAVIT OF  
PUBLICATION MUST ACCOM-  
PANY 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 unin-  
terruptedly 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 newspa-  
per for 1 consecutive time, the first publication  
thereof being made as aforesaid on the 7 day of  
November  
2012, with subsequent publications being made on the fol-  
lowing dates:

\_\_\_\_\_, 2012 \_\_\_\_\_, 2012

\_\_\_\_\_, 2012 \_\_\_\_\_, 2012

Rhonda Howerter

Subscribed and sworn to and before me this \_\_\_\_\_  
7 day of November, 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 Appl. Expires 1-9-15

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 CO111207  
Waltermire Living Trust 1-1 Sec. 1-T27S-R19E, Neosho County  
API No. 15-133-26839-00-00

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 CO111207 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