



KANSAS CORPORATION COMMISSION 1089874
 OIL & GAS CONSERVATION DIVISION

Form ACO-4
 Form must be typed
 March 2009

APPLICATION FOR COMMINGLING OF
 PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # CO081222

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 - 15-133-26140-00-00
 Spot Description: _____
SE NW NW NE Sec. 30 Twp. 30 S. R. 18 East West
638 Feet from North / South Line of Section
1999 Feet from East / West Line of Section
 County: Neosho
 Lease Name: LECK DORIS Well #: 30-3

1. Name and upper and lower limit of each production interval to be commingled:
- | | |
|-----------------------------|-------------------------|
| Formation: <u>SUMMIT</u> | (Perfs): <u>620-624</u> |
| Formation: <u>MULKY</u> | (Perfs): <u>638-644</u> |
| Formation: <u>BEVIER</u> | (Perfs): <u>692-694</u> |
| Formation: <u>CROWEBURG</u> | (Perfs): <u>713-716</u> |
| Formation: <u>FLEMING</u> | (Perfs): <u>751-753</u> |

2. Estimated amount of fluid production to be commingled from each interval:
- | | | | |
|-----------------------------|----------------|--------------------|-------------------|
| Formation: <u>SUMMIT</u> | BOPD: <u>0</u> | MCFPD: <u>1.22</u> | BWPD: <u>4.44</u> |
| Formation: <u>MULKY</u> | BOPD: <u>0</u> | MCFPD: <u>1.22</u> | BWPD: <u>4.44</u> |
| Formation: <u>BEVIER</u> | BOPD: <u>0</u> | MCFPD: <u>1.22</u> | BWPD: <u>4.44</u> |
| Formation: <u>CROWEBURG</u> | BOPD: <u>0</u> | MCFPD: <u>1.22</u> | BWPD: <u>4.44</u> |
| Formation: <u>FLEMING</u> | BOPD: <u>0</u> | MCFPD: <u>1.22</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:

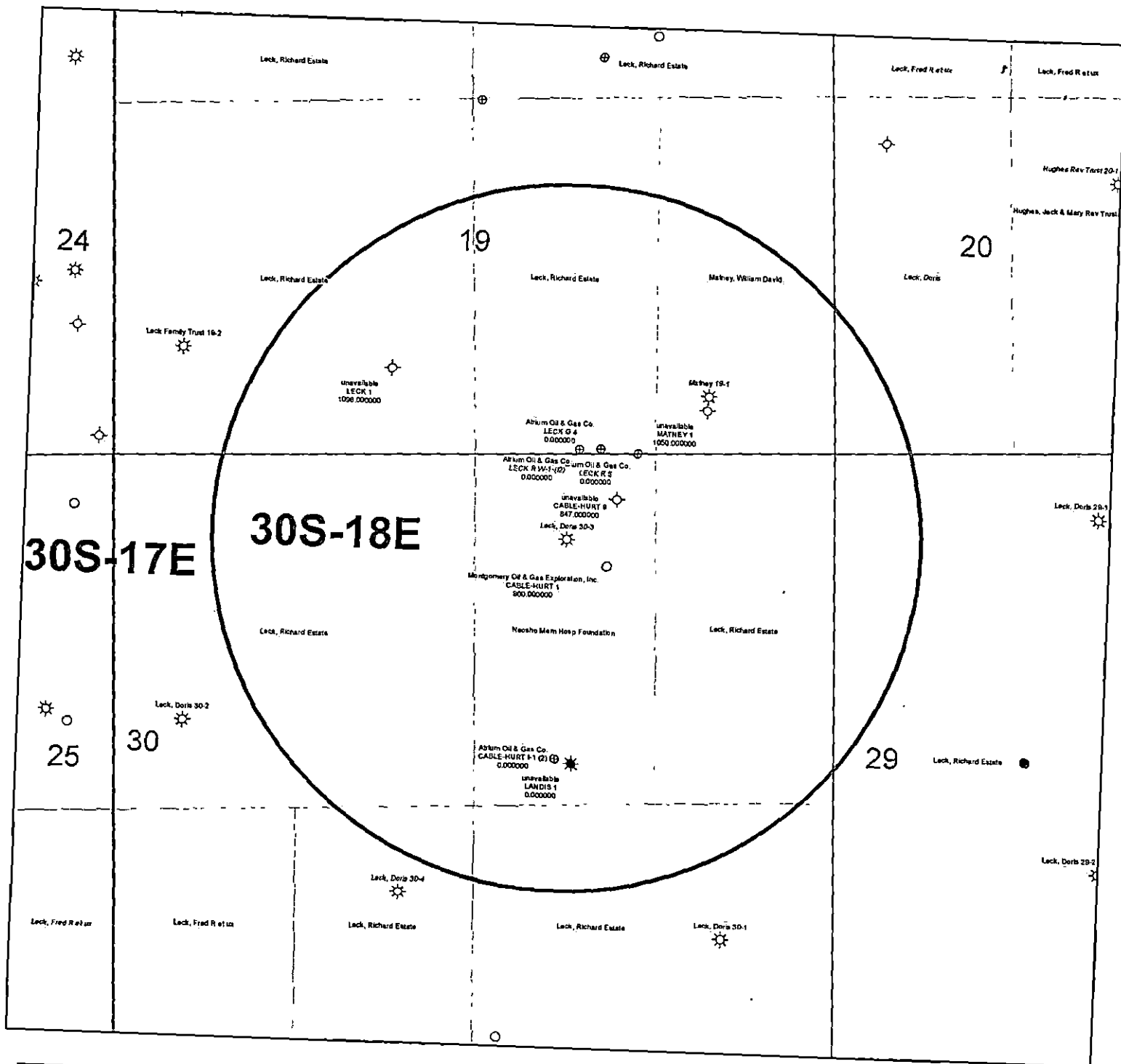
7. Well construction diagram of subject well.
8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

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>8/29/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>08/29/2012</u>

Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.



KGS STATUS

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

Leck, Doris 30-3
 30-30S-18E
 1" = 1,000'

	A	B	C	D	E	F	G	H	I	J	K
1	Produced Fluids #										
2	Parameters	Units	Input	Input	Input	Input	Input		Click here to run SSP Goal Seek SSP		Click
3	Select the brines	Select fluid by checking the box(es),						Mixed brine:			Click
4	Sample ID	Row 3						Cell H28 is			Click
5	Date	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012		STP calc. pH.			Click
6	Operator	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)
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)		
35	Choose one option to calculate SI?	0-CO ₂ %+Alk, 1-pH+Alk, 2-CO ₂ %+pH	0	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 ² /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) ¹	(N)									
51	OH ⁻ (Strong base) ¹	(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 Englsh)					
62	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
63	Have ScaleSoft/Pitzer			2	BHPMP	°C	80	°F	176		
64	plek 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	bb(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	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 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

RECEIVED
KANSAS CORPORATION COMMISSION

APR 15 2005

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

CONSERVATION DIVISION
WICHITA, KS

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33344
Name: Quest Cherokee Oilfield Service, LLC
Address: 211 W. 14th Street
City/State/Zip: Chanute, KS 66720
Purchaser: Bluestem Pipeline, LLC
Operator Contact Person: Richard Martin
Phone: (620) 431-9500
Contractor: Name: M.O.K.A.T. Drilling
License: 5831
Wellsite Geologist: N/A

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. _____

11/18/04 11/19/04 12/07/04
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 133-26140-00-00
County: Neosho
_____ nw - ne Sec. 30 Twp. 30 S. R. 18 East West
660 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: Leck, Doris Well #: 30-3

Field Name: Cherokee Basin CBM
Producing Formation: Summit/Mulky
Elevation: Ground: 994' Kelly Bushing: _____
Total Depth: 1096' Plug Back Total Depth: 1093.81'
Amount of Surface Pipe Set and Cemented at 22' 1" Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1093.81'
feet depth to surface w/ 136 _____ sx cmt.

Drilling Fluid Management Plan ALT II RJR 5/4/07
(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: Richard Martin
Title: Chief Operating Officer Date: 4/13/2005

Subscribed and sworn to before me this 13th day of April 2005.

Notary Public: Jennifer R. Houston

Date Commission Expires: 7/30/05

JENNIFER R. HOUSTON
Notary Public - State of Kansas
My Appt. Expires 7/30/05

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

Operator Name: Quest Cherokee Oilfield Service, LLC Lease Name: Leck, Doris Well #: 30-3
 Sec. 30 Twp. 30 S. R. 18 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lenapah Lime	332' +662'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Altamont Lime	370' +624'
List All E. Logs Run:		Pawnee Lime	522 1/2' +471 1/2'
		Oswego Lime	590' +404'
		Verdigris Lime	710' +284'
		Mississippi Lime	1052' -58'

RECEIVED
KANSAS CORPORATION COMMISSION
APR 15 2005
CONSERVATION DIVISION
WICHITA, KS

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	11"	8-5/8"	24.75#	22' 1"	"A"	4sx	
Production	6 3/4"	4 1/2"	10.5#	1093.81'	"A"	136sx	

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	620'-624'		15,900# 20/40 Brady sand	620'-624'
4	638'-644'		432 BBLS water	638'-644'

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	N/A	N/A		
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
12/21/04			<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 Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity	
	N/A	144.5	0			

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other (Specify) _____

RECEIVED
KANSAS CORPORATION COMMISSION

APR 15 2005

TICKET NUMBER

CONSERVATION DIVISION

FIELD TICKET REF # _____

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

FOREMAN John Mills

**TREATMENT REPORT
& FIELD TICKET CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-7-2004		Leck, Doris #30-3	30	505	18E	No

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRUCK HOURS	EMPLOYEE SIGNATURE
John M.	7:19	4:15	No	348	5	
Nes T	7:55	3:23	No	197	5	
Daniel P	7:41	4:00	No	206	5	
Mac	8:02	4:00	No	400	5	
Mike R	8:29	2:30	No	106	4.5	

? TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 1096 CASING SIZE & WEIGHT 4 1/2 / 10.5
 CASING DEPTH 1093 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 17.3 DISPLACEMENT PSI 500 MIX PSI 200 RATE _____

REMARKS:
 Circulate with lost H₂O, Run 2 gal, Run 12 BBL Dye.
 with 15 gallons sodium silicate cement until dye return.
 flush pump, pump plug with K.C.L. water. Set float 5' above
 Dozer on location at 10:10 A.M. to move crews in, around and
 back out of location. Muddy, Rutted pasture locale.
 Dirty Hole, mega cuttings brought back in both gal &
 cement cycles. 3-4 BBL of oil came up during wash down, enlarged
 the pit to prevent any over run of fluid.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903348	5 #348	Foreman Pickup	
903397	5 #197	Cement Pump Truck	
903206	5 #206	Bulk Truck	
	4% additives 122 sks	Cement 136 sks w/additives	
1110	14 sks	Gilsonite	
1107	1 sks	Flo-Seal	
111B	2 sks	Premium Gel	
1215A	1 gal	KCL	
1111B	15 gals	Sodium Silicate	
1123	5,670 gals	City Water 135 BBL's	
903400	#400	Transport Truck	
932705	#80	Transport Trailer	
903106	#106	80 Vac	

APR 15 2005

CONSERVATION DIVISION

WICHITA, KS Cherokee LLC Cementing Report

Date: 12-7-2004
Well: Leck, Davis #30-3 Legals 30-305-18E Neosho Co.

RE: Run & Cement Longstring-Notified Becke at KCC Office-12/7/04 @ 10:30 AM PM

Time:

- 9:25 AM Team - on location and rig up
- 9:20 AM Buckeye on location and spot casing trailer
- 11:05 AM Team - TIH w/ 1093.81 ft of casing
- 10:15 AM QCOS on location and rig up
- 11:45 AM Team - Hit fill approx. 390' ft from T.D.
- 12:55 AM QCOS wash casing to T.D. and circulate 2 sks gel to surface
*Total wash time
Start was at 11:45 a.m. End was at 1:00 p.m. (1 hr 15 min)*
- 1:00 PM Team - Land casing *Dirt Hole, Mega cuttings brought up in gel cycle*
- 1:25 PM Team - Rig down and off location
- 1:40 PM QCOS - pump- Circulate W/ fresh H2O, run 12 bbl dye with 15 gal sodium silicate, cement until dye return, flush pump, pump plug W/ KCL water, set float shoe
Lost circulation before going to Dye. Waited on Dye until circulation broke free. Good circulation flow after. Extra large cuttings brought back in gel cycle.
- 2:45 AM QCOS Rig down and off location *and scavenger cement. Mixed 3-4 sks after pumping to plug to re-fill Pan after a 2-3 foot fall back.*

CEMENT SLURRY:

Total Cement: 136 SKS
 Cement blend: OWC, 5# Gilsonite, 1/4# Flo-Seal
 Cement slurry weight: 13.9
 Average Surface Pressure:
 Running cement circulation pressure: 200
 Pumping plug circulation pressure: 500
 Circulation during job: Good

HOLE/CASING/FLOAT EQUIPMENT SUMMARY:

Hole Size & Depth: 6 3/4" - 1096'
 Casing Size & Depth: New 4 1/2" 10.5# per/ft. Range 3-plus shoe - 1093.81
~~1053~~ Centralizer
~~852~~ Basket Centralizer
~~609~~ Centralizer
~~404~~ Basket Centralizer
~~200~~ Centralizer
 1 ea 4 1/2" Latch-Down Float Shoe w/ Notch Collar on bottom & 4 1/2" Latch-Down Plug

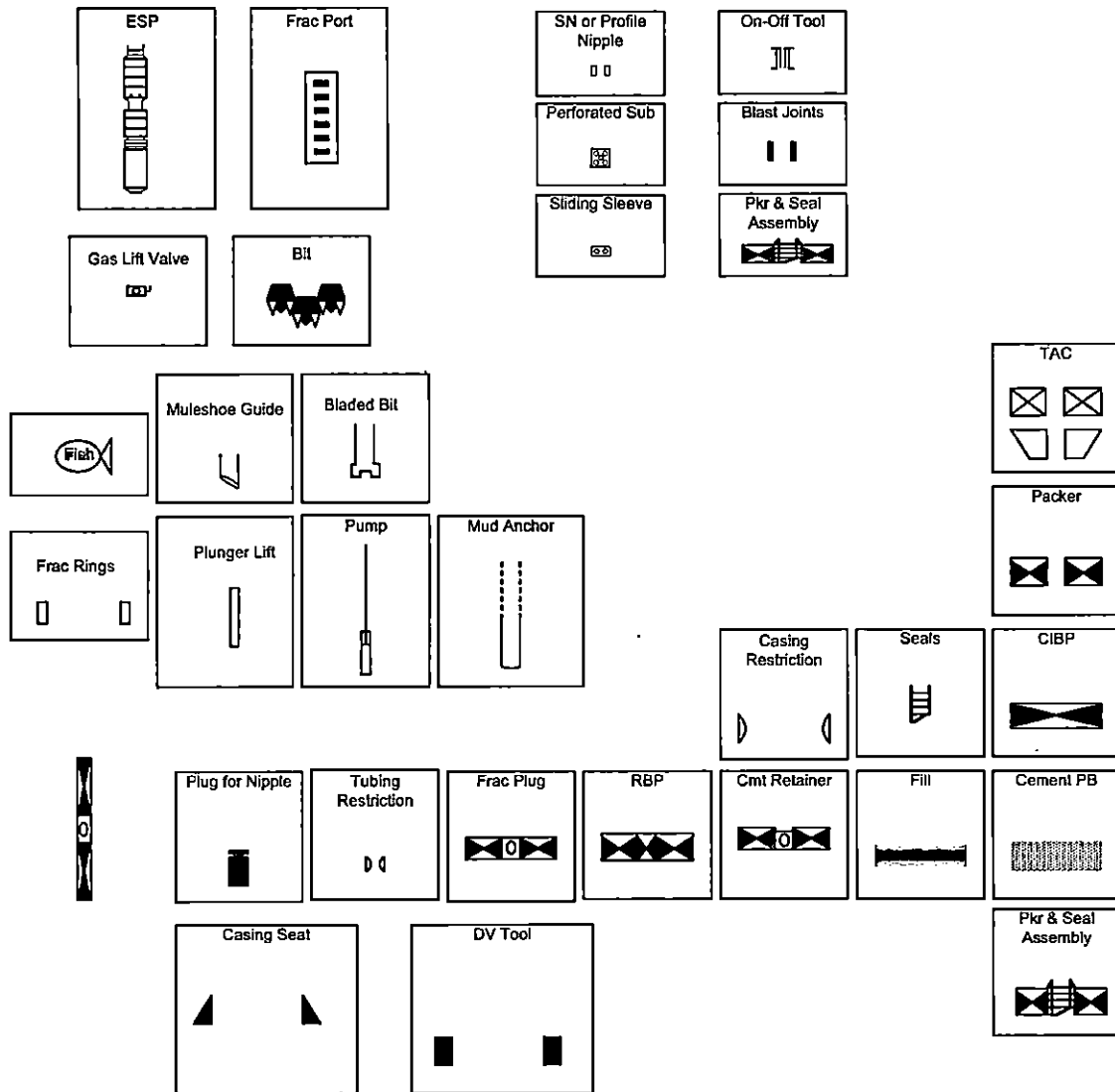
Done on location at 10:10 a.m. to move crews in, around and back out of location. Muddy & flled pasture locate. 4-BBLs of oil came up while washing casing down. Enlarged the pit to prevent any overflow or spillage.

POSTROCK



LEGEND

PostRock



LECK, DORIS 30-3

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

FORMATION:	<u>TEBO</u>	(PERFS):	<u>872</u> - <u>874</u>
FORMATION:	<u>ROWE</u>	(PERFS):	<u>977</u> - <u>979</u>
FORMATION:	<u>NEUTRAL</u>	(PERFS):	<u>984</u> - <u>986</u>
FORMATION:	<u>UPPER RIVERTON</u>	(PERFS):	<u>1012</u> - <u>1014</u>
FORMATION:	<u>CATTLEMAN</u>	(PERFS):	<u>832</u> - <u>835</u>
FORMATION:	<u>CATTLEMAN</u>	(PERFS):	<u>837</u> - <u>841</u>
FORMATION:	<u>CATTLEMAN</u>	(PERFS):	<u>844</u> - <u>849</u>
FORMATION:	<u> </u>	(PERFS):	<u> </u> - <u> </u>
FORMATION:	<u> </u>	(PERFS):	<u> </u> - <u> </u>
FORMATION:	<u> </u>	(PERFS):	<u> </u> - <u> </u>
FORMATION:	<u> </u>	(PERFS):	<u> </u> - <u> </u>
FORMATION:	<u> </u>	(PERFS):	<u> </u> - <u> </u>

2 ESTIMATED AMOUNT OF FLUID PRODUCTION TO BE COMMINGLED FROM EACH INTERVAL

FORMATION:	<u>TEBO</u>	BOPD:	<u>0</u>	MCFPD:	<u>1.22</u>	BWPD:	<u>4.44</u>
FORMATION:	<u>ROWE</u>	BOPD:	<u>0</u>	MCFPD:	<u>1.22</u>	BWPD:	<u>4.44</u>
FORMATION:	<u>NEUTRAL</u>	BOPD:	<u>0</u>	MCFPD:	<u>1.22</u>	BWPD:	<u>4.44</u>
FORMATION:	<u>UPPER RIVERTON</u>	BOPD:	<u>0</u>	MCFPD:	<u>1.22</u>	BWPD:	<u>4.44</u>
FORMATION:	<u>CATTLEMAN</u>	BOPD:	<u>1</u>	MCFPD:	<u>0</u>	BWPD:	<u>6.67</u>
FORMATION:	<u>CATTLEMAN</u>	BOPD:	<u>1</u>	MCFPD:	<u>0</u>	BWPD:	<u>6.67</u>
FORMATION:	<u>CATTLEMAN</u>	BOPD:	<u>1</u>	MCFPD:	<u>0</u>	BWPD:	<u>6.67</u>
FORMATION:	<u> </u>	BOPD:	<u> </u>	MCFPD:	<u> </u>	BWPD:	<u> </u>
FORMATION:	<u> </u>	BOPD:	<u> </u>	MCFPD:	<u> </u>	BWPD:	<u> </u>
FORMATION:	<u> </u>	BOPD:	<u> </u>	MCFPD:	<u> </u>	BWPD:	<u> </u>
FORMATION:	<u> </u>	BOPD:	<u> </u>	MCFPD:	<u> </u>	BWPD:	<u> </u>
FORMATION:	<u> </u>	BOPD:	<u> </u>	MCFPD:	<u> </u>	BWPD:	<u> </u>

Affidavit of Notice Served

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

Well Name: GRADY, JAMES A 5-2 Legal Location: SENW S5-T28S-R17E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 13th of AUGUST, 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)
POSTROCK MIDCONTINENT PRODUCTION, LLC	210 PARK AVENUE, SUITE 2750, OKLAHOMA CITY, OK 73102-5641

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

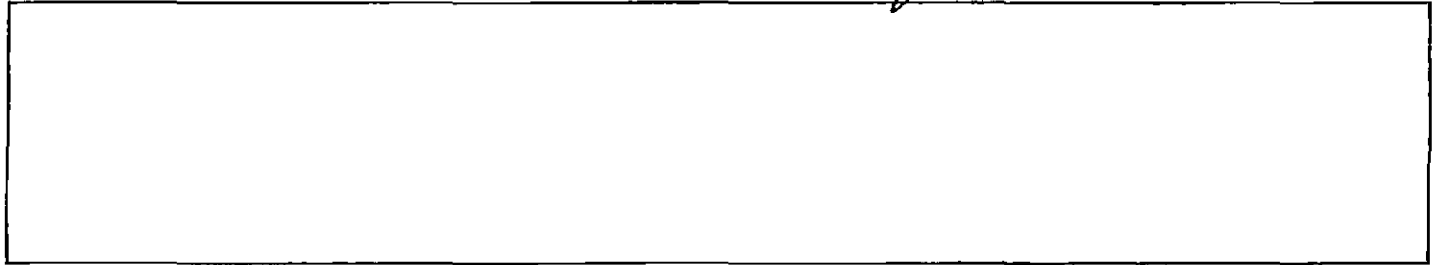
Signed this 14th day of AUGUST, 2012

Jess L Morris
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 14th day of AUGUST, 2012



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



GRADY, JAMES A 5-2 - APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

[Redacted]

[Redacted]

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

Name:
POSTROCK MIDCONTINENT PRODUCTION, LLC

Legal Description of Leasehold:
POSTROCK HAS LEASED ALL ACREAGE IN THE 1/2
MILE RADIUS

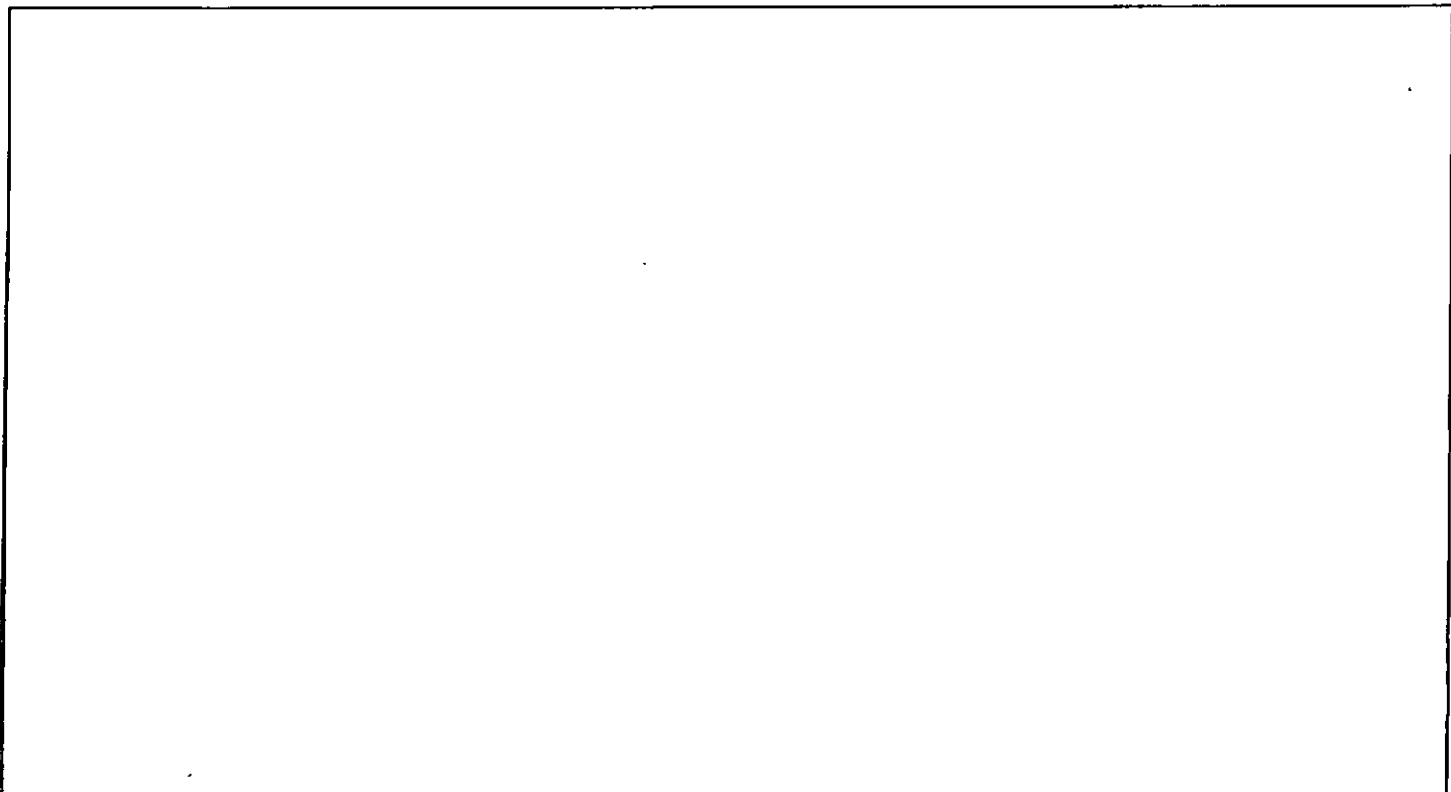
I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Jess L Morris
Applicant or Duly Authorized Agent

Subscribed and sworn before me this 14th day of AUGUST, 2012



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



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 Leck, Doris 30-3 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, Bevier, Crowe-burg, Fleming, Tebo, Rowe, Neutral, Upper Riverton and Cattleman producing formations at the Leck, Doris 30-3, located in the SE NW NW NE, S30-T30S-R18E, Approximately 638 FNL & 1999 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.

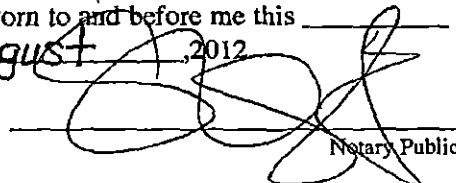
That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for 1 consecutive time, the first publication thereof being made as aforesaid on the 10 day of August 2012, with subsequent publications being made on the following dates:

_____, 2012 _____, 2012

_____, 2012 _____, 2012

Rhonda Howerter

Subscribed and sworn to and before me this 13 day of August, 2012


Notary Public

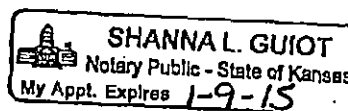
My commission expires: January 9, 2015

Printer's Fee \$ 71.17

Affidavit, Notary's Fee \$ 3.00

Additional Copies \$ _____

Total Publication Fees \$ 74.17


SHANNA L. GUIOT
Notary Public - State of Kansas
My Appt. Expires 1-9-15

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

August 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

13th day of August, 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 : \$139.60

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
AUGUST 11, 2012 (3200069)
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 Lock, Doris 30-3 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, Berier, Crowburn, Fleming, Tebo, Rowe, Neutral, Upper Riverton and Callahan producing formations of the Lock, Doris 30-3, located in the SE 1/4 NW 1/4 NE 1/4 S10-T30S-R10E, Approximately 630 ENL & 1999 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 this 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) 660-7704
A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS.

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

Sam Brownback, Governor

August 29 , 2012

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

RE: Approved Commingling CO081222
Leck, Doris 30-3, Sec. 30-T30S-R18E, Neosho County
API No. 15-133-26140-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on August 23, 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 CO081222 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