

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

1084664

Form ACO-4 Form must be typed March 2009

#### Commingling ID # CO061209 APPLICATION FOR COMMINGLING OF PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERAT	OR: License # <u>33343</u>	API No. 15 - 15-133-26468-00-01
Name:	PostRock Midcontinent Production LLC	Spot Description:
Address	1: Oklahoma Tower	NE_SW_NW_NE_Sec. 30 Twp, 28 S. R. 19 Feast ☐West
	2: 210 Park Ave, Ste 2750	
	KLAHOMA CITY State: OK Zip: 73102 +	1981 Feet from 🗹 East / 🗌 West Line of Section
	Person: CLARK EDWARDS	County; Neosho
	<sub>(620</sub> , 4324200	Lease Name: NEELY WILLIAM G Well #: 30-1
	\	
<b>Z</b> 1.	Name and upper and lower limit of each production interval to	be commingled:
•	Formation: RIVERTON	(Perfs): 891-894
	Formation: UPPER RIVERTON	(Perfs): 953-954
	Formation: NEUTRAL	(Perfs): 939-940
	Formation: ROWE	932 <b>-</b> 934
	Formation: FLEMING	(Perfs): 622-624
		V
<b>Z</b> 2.	Estimated amount of fluid production to be commingled from e	ach interval:
	Formation: RIVERTON	BOPD: $\frac{U}{Q}$ MCFPD: $\frac{Z.1}{Q.4}$ BWPD: $\frac{4.4}{4.4}$
	Formation: UPPER RIVERTON	BOPD: U MCFPD: 2.1 BWPD: 4.4
	Formation: NEUTRAL	BOPD: <u>0</u> MCFPD: <u>2.1</u> BWPD: <u>4.4</u>
	Formation: ROWE	BOPD: 0 MCFPD: 2.1 BWPD: 4.4
	Formation: FLEMING	BOPD: 0MCFPD: 2.1BWPD: 4.4
<b>≰</b> 3. <b>≰</b> 4.	Plat map showing the location of the subject well, all other well the subject well, and for each well the names and addresses of Signed certificate showing service of the application and affida	
Ear Car	nmingling of PRODUCTION ONLY, include the following:	
<b>√</b> 1 5.	Wireline log of subject well. Previously Filed with ACO-1:	Yes □ No
<del>-</del> -	Complete Form ACO-1 (Well Completion form) for the subject	
6.	Complete Form ACO-1 (well Completion form) for the subject	weii.
For Con	nmingling of FLUIDS ONLY, include the following:	
7.	Well construction diagram of subject well.	
<b>Z</b> 8.	Any available water chemistry data demonstrating the compati	bility of the fluids to be commingled.
•		
current ir mingling	/IT: I am the affiant and hereby certify that to the best of my nformation, knowledge and personal belief, this request for comistrue and proper and I have no information or knowledge, which istent with the information supplied in this application.	Submitted Electronically
KCC	Office Use Only	Protests may be filed by any party having a valid interest in the application. Protests must be
□De		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.
	/ Periods Ends: _6/30/2012	
	ved By: Rick Hestermann Date: 07/02/2012	



## CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1083366

15 122 26469 00 01

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name: PostRock Midcontinent Production LLC	Spot Description:
Address 1: Oklahoma Tower	NE_SW_NW_NE_Sec. 30 Twp. 28 S. R. 19
Address 2: 210 Park Ave, Ste 2750	
City: OKLAHOMA CITY State: OK Zip: 73102 +	
Contact Person: CLARK EDWARDS	Footages Calculated from Nearest Outside Section Corner:
Phone: ( 620 ) 4324200	☑ne □nw □se □sw
CONTRACTOR: License #_34453	County: Neosho
Name: PostRock Energy Services Corporation	Lease Name: NEELY WILLIAM G Well #: 30-1
Wellsite Geologist: N/A	Field Name:
Purchaser:	Producing Formation:RIVERTON, UPPER RIVERTON, NEUTRAL, ROWE, FLEMING, CROWEBURG, MULKY, SUMMITT,
Designate Type of Completion:	Elevation: Ground: 895 Kelly Bushing: 0
☐ New Well ☐ Re-Entry ☑ Workover	Total Depth: 1005 Plug Back Total Depth: 1001
	Amount of Surface Pipe Set and Cemented at: 22 Fee
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes V No
Gas □ DaA □ ENFIR □ SIGW  GSW □ Temp. Abd.	If yes, show depth set:Fee
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from:
f Workover/Re-entry: Old Well Info as follows:	feet depth to:w/sx cm
Operator: POSTROCK	
Well Name: NEELY, WILLIAM G 30-1	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date; 2/17/2006 Original Total Depth; 1005	
☐ Deepening	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	
ENHR Permit #:	QuarterSecTwpS. R Bast Wes
GSW Permit #:	County: Permit #:
3/27/2012 3/27/2012	
Spud Date or Date Reached TD Completion Date or	

#### **AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY
✓ Letter of Confidentiality Received  Date: _06/05/2012
☐ Confidential Release Date:
Geologist Report Received
☐ UIC Distribution  ALT ☐ I ☑ II ☐ III Approved by: NACHI JAMES Date: 06/06/2012

Side Two



Operator Name: Pos	stRock Midcontine	nt Production LLC	Lease	Name: _	NEELY WILL	AM G	_Well #:30-	<u>·1</u>	<u>.</u>
Sec. 30 Twp. 28	s. R. <u>19</u>	✓ East	Count	<sub>y:</sub> <u>Neos</u>	ho				
time tool open and clo recovery, and flow rate	ow important tops and osed, flowing and shut- es if gas to surface tes attach final geological v	in pressures, whether t, along with final char	shut-in pres	ssure read	ched static level,	hydrostatic pres	sures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker		Yes 📝 No			og Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	·	☐ Yes 🗸 No		Nam N/A	е		Тор	t	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop)	d Electronically	Yes No							
List All E. Logs Run:									
				<u></u>					
		CASIN Report all strings se	G RECORD et-conductor, s	_	-	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	We Lbs	eight . / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
							-		-
	_								
		_							
_	· i	ADDITION	AL CEMENT	ING / SQL	JEEZE RECORD				
Purpose:  —— Perforate	Depth Top Bottom	Type of Cement	# Sack	# Sacks Used Type and Percent Additives					
Plug Back TD Plug Off Zone	-								_
Plug Oil Zone					<u> </u>	<u>-</u>			
Shots Per Foot		N RECORD - Bridge Plootage of Each Interval P		)		cture, Shot, Cemer		d	Depth
	653-664				340 BBLS SLICK WA	TER/ 400# FRAC GEL/ 1	9000# 20/40 SAND/ 400	# 12/20 SAND	653-664
TUBING RECORD:	Size:	Set At:	Packer	At-	Liner Run:				
TOBING RECORD.	<u> </u>	001 AL	- Ecker	A	1 -	Yes N	0		
Date of First, Resumed 4/4/2012	Production, SWD or EN	HR. Producing M	ethod: Pump	ing	Gas Lift 🔲 C	Other (Explain)			
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio		Gravity
DISPOSITI	ON OF GAS:		METHOD C	F COMPL	ETION:		PRODUCTION	ON INTER	VAL:
☐ Vented	_	Open Hole	Perf.	Dually		mmingled mit ACO-4)	-	··	
(If vented, Su	bmit ACO-18.)	Other (Creek)		1-2000		,			

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

June 05, 2012

CLARK EDWARDS
PostRock Midcontinent Production LLC
Oklahoma Tower
210 Park Ave, Ste 2750
OKLAHOMA CITY, OK 73102

Re: ACO1

API 15-133-26468-00-00 NEELY WILLIAM G 30-1 NE/4 Sec.30-28S-19E Neosho County, Kansas

#### **Dear Production Department:**

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, CLARK EDWARDS

FORMATION:	FLEMING	(PERFS):	639 -	641			
FORMATION:	CROWEBURG	(PERFS):	586 -	589			
FORMATION:	MULKY	(PERFS):	476 -	480			
FORMATION:	SUMMITT	(PERFS):	465 -	469			
FORMATION:	CATTLEMAN	(PERFS):	653 -	664			
FORMATION:		(PERFS):		•			
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
FORMATION:		(PERFS):	-	•			
FORMATION:		(PERFS):	-	-			
FORMATION:		(PERFS):					
FORMATION:		(PERFS):					
2 ESTIMATED AI	MOUNT OF FLUID PRODUC	TION TO BE COMMINGLED FROM	EACH INT	ERVAL			
						514/55	
FORMATION:	FLEMING	BOPD:	EACH INT 0 0	MCFPD:	2.1 2.1	BWPD:	4.4
FORMATION: FORMATION:	FLEMING CROWEBURG	BOPD:	0	MCFPD:	2.1	BWPD:	4.4
FORMATION: FORMATION:	FLEMING CROWEBURG MULKY	BOPD:	0 0	MCFPD: MCFPD: MCFPD:	2.1 2.1		4.4
FORMATION: FORMATION:	FLEMING CROWEBURG	BOPD:	0	MCFPD:	2.1	BWPD: BWPD:	4.4
FORMATION: FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD:	0 0 0 0	MCFPD: MCFPD: MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD:	4.4 4.4 4.4
FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD: BOPD: BOPD: BOPD: BOPD:	0 0 0 0	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD: BWPD:	4.4 4.4 4.4
FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	0 0 0 0	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD: BWPD:	4.4 4.4 4.4
FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	0 0 0 0	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	4.4 4.4 4.4
FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD: BOPD:	0 0 0 0	MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD: MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	4.4 4.4 4.4
FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION: FORMATION:	FLEMING CROWEBURG MULKY SUMMITT	BOPD:	0 0 0 0	MCFPD:	2.1 2.1 2.1	BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD: BWPD:	4.4 4.4 4.4

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Affidavit of Notice Served	OF PROPHETION OF FI HIDS ACO.4
Re: Application for: APPLICATION FOR COMMINGLING	
Well Name: NEELY, WILLIAM G 30-1	Legal Location: N2S2NWNE S30-T28S-R19E
The undersigned hereby certificates that he / she is a duly authorized agent fo	
2012, a true and correct copy of the application referenced ab	nove 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 73102-564
SEE ATTACHED	
•	
I further attest that notice of the filing of this application was published in the $\operatorname{\underline{CL}}$	HANUTE TRIBUNE , the official county publication
NEGGLIO	county. A copy of the affidavit of this publication is attached.
Signed this <u>15th</u> day of <u>JUNE</u> , <u>201</u>	
Signed this day or	
Api	plicagy or Duly Authorized Agent
Subscribed and sworn to bef	
and the second s	
DENISE V. VENNEMAN  DENISE V. VENNEMAN  OFFICIAL  MY COMMISSION EXPIRES  NOT	House Ullenneman
11 255 105 1.1.4 core	Commission Expires: $1-1-12$
in it is a second of the secon	Commission Expires:

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# NEELY, WILLIAM G 30-1 - APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS Affidavit of Notice Served

Tract in SW/4 SW/4 NE/4 of 30-28S-19E
JAMES P NEELY & COLLEEN M NEELY ½
9050 140<sup>th</sup> Road
Chanute, KS 66720

WILLIAM G NEELY TRUST 1/2 8150 170<sup>th</sup> Road Chanute, KS 66720

SE/4 NE/4 Neely Family Trust 8150 170<sup>th</sup> Road Chanute, KS 66720

Tract in SW/4 WILLIAM G NEELY TRUST 8150 170<sup>th</sup> Road Chanute, KS 66720

### CURR\_OPERA

Cooper Petroleum Co. Lincoln 77, Inc. M H Oil & Gas MJ Energy, LLC MSG Resources Inc.

#### **ADDRESS**

547 W. 25th Street, Upland, CA 91784 630 W. Cherry, Chanute, KS 66720 PO Box 684, Okeene, OK 73763 3570 E. 12th Ave, Ste 205, Denver, CO 80206 975 1400th St, Iola, KS 66749

	A	В	С	D	Ē	F	Ğ	н	1	J	K
	Produced Fluids #		1	2	3	4	5				Cliek
2	Parameters	Units	Input	Input	Input	Input	Input		Click he		Click
3	Select the brines	Select fluid						Mixed brine:	to run S	SP	Click
4	Sample ID	by checking						Cell H28 is			CHEK
5	Operator	the box(es), Row 3	3/19/2012	3/4/2012	3/14/2012 PostRock	1/20/2012 PostRock	1/20/2012 PostRock	STP calc. pH. Cells H35-38			Official
7	Well Name	NOW 3	PostRock Ward Feed	PostRock Ward Feed	Clinesmith	Clinesmith	Clinesmith	are used in	Goal Seek	cen	Click
8	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines	Goal Seek	33F	011-14
9	Field		CBM	СВМ	Bartles	Bartles	Bartles	calculations.	L		Click
10	Nn*	(mg/l)*	19,433.00	27,381.00	26,534,00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	ouen.
11	K* (if not known =0)	(mg/l)						0.00	Saturation Index	values	SI/SR (Finel-Initia
	Mg <sup>2+</sup>	(mg/l)	1,096.00	872.00	1,200.00	953.00	858,00	995,91		lcite	1
13	Ca <sup>2+</sup>	(mg/l)	1,836.00	2,452.00	2,044.00	1920.00	1948.00	2040.23	-0.73	-0.60	0.13
	Sr <sup>2</sup>	(mg/l)		1,402.00	,			0.00		rite	+ - 51.5
15	Ba <sup>2+</sup>	(mg/l)		•		_	·	0.00	<del></del>		<u> </u>
16	Fe <sup>2</sup> *	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	17.	alite	+
17	Zn <sup>2+</sup>	(mg/l)	40.00	21.00	10.00	62.00	90.00	0,00	-1.77	-1.80	-0.03
	Pb <sup>1+</sup>										-0.03
18 19	Ci.	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147,00	0.00 44388.44	-3.19	-3.18	0,00
	so, <sup>2</sup>	(mg/l)			8,00						0,00
	F	(mg/l)	1.00	1.00	8,00	1.00	1.00	2,40	<del></del>	hydrate 2 no	
21	<u> </u>	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br'	(mg/l)						0.00		ydrite	1
23	SIO2	(mg/l) SiO2			850.00			0.00	-3.47	-3.36	0.12
24	HCO3 Alkalinity**	(mg/l as HCO3)	190.00	234.00	259.00	268.00	254,00	241.03	Cel	estite	+
25	CO3 Alkalinity	(mg/l as CO3)								5.15.1	+
26	Curboxylic acids**	(mg/l)				ļ	_	0.00		Sulfide	
27	Ammonia	(mg/L) NH3			- <del>-</del>	ļ		0.00	-0.16	-0.22	-0.06
	Borate	(mg/L) H3BO3				<b> </b>		0.00	Zinc	Sulfide	-
29	TDS (Measured)	(mg/l)			1.050			72781			+
30 31	Colc. Density (STP) CO <sub>2</sub> Gas Analysis	(g/ml) (%)	1.038	1,051 18.76	1.050 22,41	1.048 35.53	1.045 33.79	1.047 26.16	Calciun	a fluoride	-
-	H <sub>2</sub> S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron C	erbonate	+
33	Total H2Saq	(mgH2S/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	Jahibitor a	eeded (tng/L)	+
		0-COZ%+Alk,				Γ		<del></del>	Calcite	NTMP	1
	Choose one option to calculate S1?		ا ا			ا ا			i		į .
35	Gas/day(thousand cf/day)	(Mcl/D)	0	0		0			0.00	0,00	-1
37	Oil/Day	(B/D)	0		1		1		Barite	BHPMP	-
	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	-
39	For mixed brines, enter val		tures and pressi					(Enter H40-H43)		H	
40	Initial T	(F)	66.0	71.0	70,0		49,0	60.0	5.69	5,60	_
41 42	Final T Initial P	(F) (psia)	66.0	71.0 25.0	70.0 25.0	41.0 25.0	49.0 25.0	89.0 25.0	1.196	CentiPoise) 0.826	
43	Final P	(psia)	25.0 25.0	25.0	25.0	25.0	25.0	120.0	<del></del>	ity (cal/ml/°C)	-
44	Use TP on Calcite sheet?	1-Yes;0-No	13.0	20.0					0.955	0.959	-
45	API Oil Grav.	API grav.						30.00	Iphibitor n	eeded (mg/L)	
	Gas Sp.Grav,	Sp.Grav.						0,60		HDTMP	7
	MeOH/Day MEG/Day	(B/D)	- 0		<i>-</i>			0		UDTMP	4
	MEG/Day Conc. Multiplier	(B/D)	0			<u> </u>		<del>_</del> _	Anhydrite 0.00	HDTMP 0.00	-
	H* (Strong acid)	(N)							<u> </u>		_
	OH (Strong base) †	(N)			<u>-</u>				1		
	Quality Control Checks at								1		
	H <sub>2</sub> S Gas	(%)							]		
	Total H2Saq (STP)	(mgH2S/I)				<u> </u>			1		
	pH Calculated PCO2 Calculated	(pH) (%)	'						I		
	Alkalinity Caciulated	(%) (mg/l) as HCO3							l		
58	ΣCations=	(equiv./l)							1		
	ΣAnions=	(equiv./I)							ł		
	Calc TDS= Inhibitor Selection	(mg/l) Input	Unit	#	Inhibitor	Unit Converter	(From metric	to English)			
	Innibitor Selection Protection Time	120	mio	1	NTMP	From Unit	Value	To Unit	Value		
63	Have ScaleSoftPitzer			2	ВНРМР	°C	80	°F	176		
	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m³	100	ft³	3,531		
64	If No, inhibitor # is:	4	#	4	DTPMP	m <sup>3</sup>	100	bbl(42 US gal)	629		
				5	PPCA	MPa	1,000	psia	145,074		
64 65	lf you select Mixed,			1		I _	496	psia	7,194		
64 65		1	#	6	SPA	Bar	470	Pana	7,174		
64 65 66	lf you select Mixed, 1 <sup>st</sup> inhibitor # is: % of 1 <sup>st</sup> inhibitor is:	1 50	# %	6 7	SPA HEDP	Bar Torr	10,000	psia	193		
64 65 66 67 68 69	If you select Mixed, 1 <sup>st</sup> inhibitor # is: % of 1 <sup>st</sup> inhibitor is; 2 <sup>sd</sup> inhibitor # is:	50 2	% #	7 8	HEDP HDTMP	Torr Gal	10,000 10,000	psia bbi(42 US gal)	193 238		
64 65 66 67 68 69	lf you select Mixed, 1 <sup>st</sup> inhibitor # is: % of 1 <sup>st</sup> inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		

### **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

			Ratio		_	
	20%	20%	20%	20%	20	
Component (mg/L)	Brine 1	Brine 2	Brine 3	Brine 4	Brine 5	Mixed Brine
Calcium	1836	2452	2044	1920	1948	1952
Magnesium	1096	872	1200	953	858	865
Barium	Q	0	0	0	0	0
Strontium	0	0	0	0	0	Ó
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

<u> </u>						
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

#### 8EFORE THE STATE CORPORA-TION 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 Neety, William G 30-1 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 Riverton, Upper Riverton, Neutral, Rowe, Cattlemen, Fleming, Croweburg, Mulky, and Summit producing formations at the Neely, William 6 30-1, located in the NW NE, S30-726S-R19E, Approximately 687 FSL & 1981 FEL, Neosho County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or prolest with the Conservation DMsion of the State corporation Commission of the State of Kansas within lifteen (15) days from the date of this publication. These profests shall be filed pursuant to Commission regulations and must ctate 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 lake 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 Cill and Gas Commission.

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

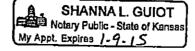
Postrock Midcontinent Production, LLC 210 Park Avenue, Suite 2750 Oklehoma City, Oklahoma 73102 (405) 660-7704

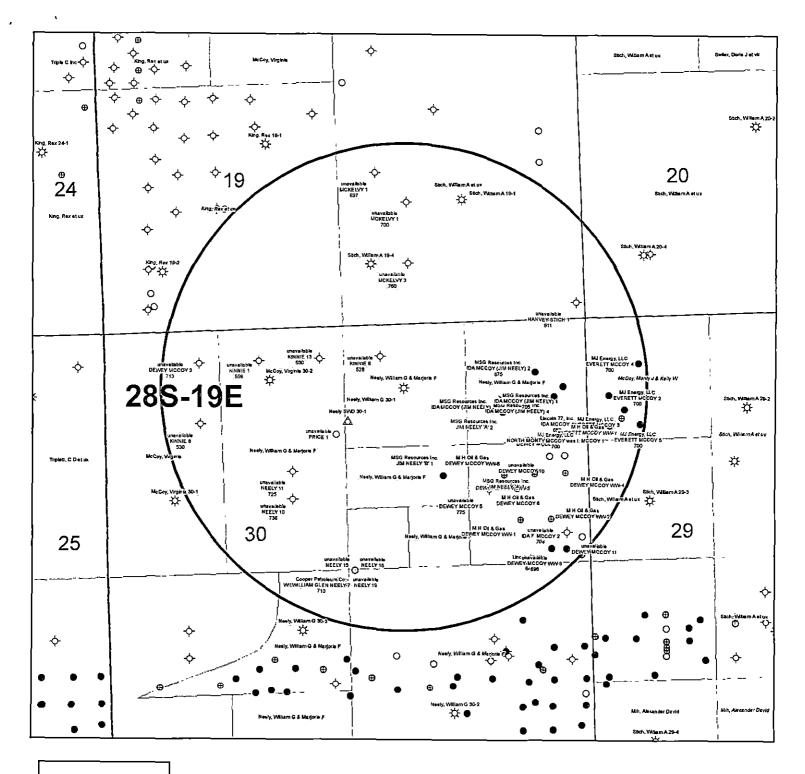
## Affidavit of Publication 🗆

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 there published in the regular and entire issue of per for mascentiates, the first thereof being made as aforesaid on the  2012, with subsequent publications being made lowing dates:	said newspa- at publication OLO day of
, 2012	, 2012
, 2012	, 2012
Ghanda Howe	tec_
Subscribed and sworn to and before me this	Notary Public
My commission expires: January 9, 2015	
Printer's Fee	
Affidavit, Notary's Fee\$ 3.00	
Additional Copies\$	
Total Publication Fees \$ Lolo. 30	





## **KGS STATUS**

- → DA/PA
- ⊕ EOR
- ☆ GAS
- △ INJ/SWD
- OiL
- \* OIL/GAS
- OTHER

Neely, William G 30-1 30-28S-19E 1" = 1,000'

## NEELY, WILLIAM G 30-1 - APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

set Operators, Unleased	i Mineral Owners and L	andowners acreage			
ach edditional sheets if nec					
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DENIS	SE V. VENNEMAN Sul	bscribed and sworn before r	me this TOTH day	of JUNE	,2012
	IMISSION EXPIRES July 1, 2012		Desuse V	llenneman	
The state of the s	34, 1, 2012	Notery R			
		My Com	mission Expires:	7-1-12	
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### NEELY, WILLIAM G 30-1 - APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS Offset Operators, Unleased Mineral Owners and Landowners acreage

Tract in SW/4 SW/4 NE/4 of 30-28S-19E JAMES P NEELY & COLLEEN M NEELY ½ 9050 140<sup>th</sup> Road Chanute, KS 66720

WILLIAM G NEELY TRUST 1/2 8150 170<sup>th</sup> Road Chanute, KS 66720

SE/4 NE/4 Neely Family Trust 8150 170<sup>th</sup> Road Chanute, KS 66720

Tract In SW/4 WILLIAM G NEELY TRUST 8150 170<sup>th</sup> Road Chanute, KS 66720

CURR_OPERA	LEGAL DESCRIPTION	LEGAL DESCRIPTION
Cooper Petroleum Co.		S30-T28S-R19E
Lincoln 77, Inc.	SE SE NE NE	S30-T28S-R19E
Lincoln 77, Inc.	SW SE SE NE	S30-T28S-R19E
M H Oil & Gas	NW SE NE	S30-T28S-R19E
M H Oil & Gas	SW SE NE	S30-T28S-R19E
M H Oil & Gas	SE SE NE	S30-T28S-R19E
M H Oil & Gas	NE SE NE	S30-T28S-R19E
M H Oil & Gas	N2 SE NE	S30-T28S-R19E
M H Oil & Gas	NW SE NE	S30-T28S-R19E
M H Oil & Gas	SW NW NW	S29-T28S-R19E
MJ Energy, LLC	NW SW NW NW	S29-T28S-R19E
MJ Energy, LLC	NW SW NW NW	S29-T28S-R19E
MJ Energy, LLC	SE NW NW NW	S29-T28S-R19E
MJ Energy, LLC	SE SW NW NW	S29-T28S-R19E
MJ Energy, LLC	SW SW NW NW	S29-T28S-R19E
MSG Resources Inc.	SE NE NE	S30-T28S-R19E
MSG Resources Inc.	SW NE NE NE	S30-T28S-R19E
MSG Resources Inc.	SW NE NE	S30-T285-R19E
MSG Resources Inc.	SE NE NE	S30-T28S-R19E
MSG Resources Inc.	N2 SE NE	S30-T28S-R19E
MSG Resources Inc.	SW NE NE	530-T28S-R19E
MSG Resources Inc.	NE SW NE	530-T285-R19E



### **Wellbore Schematic**

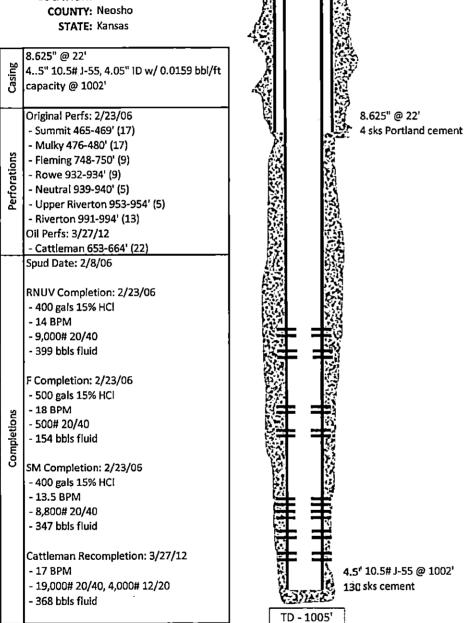
TOC - Surface

WELL: Neely, William G 30-1

SSI: 610010

API: 15-133-26468

LOCATION: NW NE Sec. 30 28S-19E



#### **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 1st of

June 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

1st day of June, 2012

PENNY L. CASE Notary Public - State of Kans My Appt. Expires

Notary Public Sedgwick County, Kansas

Printer's Fee: \$132.40

#### LEGAL PUBLICATION

PUBLISHE DIN THE WICH TA EACLE

JUNE 1, 202 (18778)

BEFORE THE STATE CORPORATION

COMMISSION OF THE STATE OF KANSAS

NOTICE OF FILING APPLICATION

RE IN the Maller of Pourtox, Miccontinent

Production in the Neety, Wilson G 30-1
located in Neesho County, Kansas.

TO, All Oil 36 Gas Producter, Unleased Mineral
Interest Owners, Landowners, and all persons

whomever concerned.

You, and soch of you, are bereby, notified
that Postrack, Midcontinent Production, LLC
has flied an application to comminging the
Riverton, Upper, Riverton, Neutral, Rawo,
Cattleman, Fishming, Croweburg, Mulky, and
Summit producting formations at the New Ney
William G 30-1, located in the NW NE; 330T283-RIVE, Approximately 687-FSL & 1981FEL, Neesho County, Kansas

Any, Sersons, who object to you, protest
this application shall be required to file their
objections or protest, with the Conservation
Ovision of the State Corporation, Commission
of the State of Kansas within filled in 150
days from the date of fills publication. These
protests shall be filed pursuant to Committation
realizations and must state spectral reasons
why granting the application may cause waste,
violate correlative rights or pollute the natural
resources of the State of Kansas

AD persons the foregoine and shall povern
harmselves accordationly. All person and for
companies wishing to protest, this application
are required to file a willing protest with the
Conservation Univision of the Kansas Oil and
Gos Conviniston

Upon the Proceed of any Protect of the
consect of as individually appearing on their
own behalt
Pestrock Midcontinent Production, LLC
110 Park Aveniue's Sulte 2750

Postrock Midcontinent Production, LLC 710 Park Avenue, Suite 7750 Oklahomic Chy, Oklahoma 73102 (465) 660-7704 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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

July 2, 2012

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

RE:

Approved Commingling CO061209

Neely, William G. 30-1, Sec.30-T28S-R19E, Neosho County

API No. 15-133-26468-00-01

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well 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. This application, which was received by the KCC on June 18, 2012, concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

	Estimated Current Production			
Source of Supply	BOPD	MCFPD	BWPD	Perf Depth
Riverton	0.00	2.10	4.40	891-894
Upper Riverton	0.00	2.10	4.40	953-954
Neutral	0.00	2.10	4.40	939-940
Rowe	0.00	2.10	4.40	932-934
Fleming	0.00	2.10	4.40	622-624, 639-641
Croweburg	0.00	2.10	4.40	586-589
Mulky	0.00	2.10	4.40	476-480
Summit	0.00	2.10	4.40	465-469
Cattleman	3.00	0.00	20.00	653-664
Total Estimated Current Production	3.00	16.80	55.20	

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).

Commingling ID number CO061209 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