1097413

KANSAS CORPORATION COMMISSION
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 # CO111202

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 - 15-133-26673-00-00
Spot Description:
NE - SW - NE - NW Sec. 1 Twp. 28 S. R. 17 ☑ East ☐ West
670 Feet from ☑ North / ☐ South Line of Section
1976 Feet from ☐ East / ☑ West Line of Section
County: Neosho
Lease Name: MCMILLEN BILLY D Well #: 1-1

☑ 1. Name and upper and lower limit of each production interval to be commingled:

Formation:	SUMMIT	(Perfs):	653-657
Formation:	MULKY	(Perfs):	663-667
Formation:	CROWEBURG	(Perfs):	759-762
Formation:	FLEMING	(Perfs):	784-786
Formation:	FLEMING	(Perfs):	811-813

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

Formation:	SUMMIT	BOPD:	0	MCFPD:	.33	BWPD:	6.67
Formation:	MULKY	BOPD:	0	MCFPD:	.33	BWPD:	6.67
Formation:	CROWEBURG	BOPD:	0	MCFPD:	.33	BWPD:	6.67
Formation:	FLEMING	BOPD:	0	MCFPD:	.33	BWPD:	6.67
Formation:	FLEMING	BOPD:	0	MCFPD:	.33	BWPD:	6.67

☑ 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.

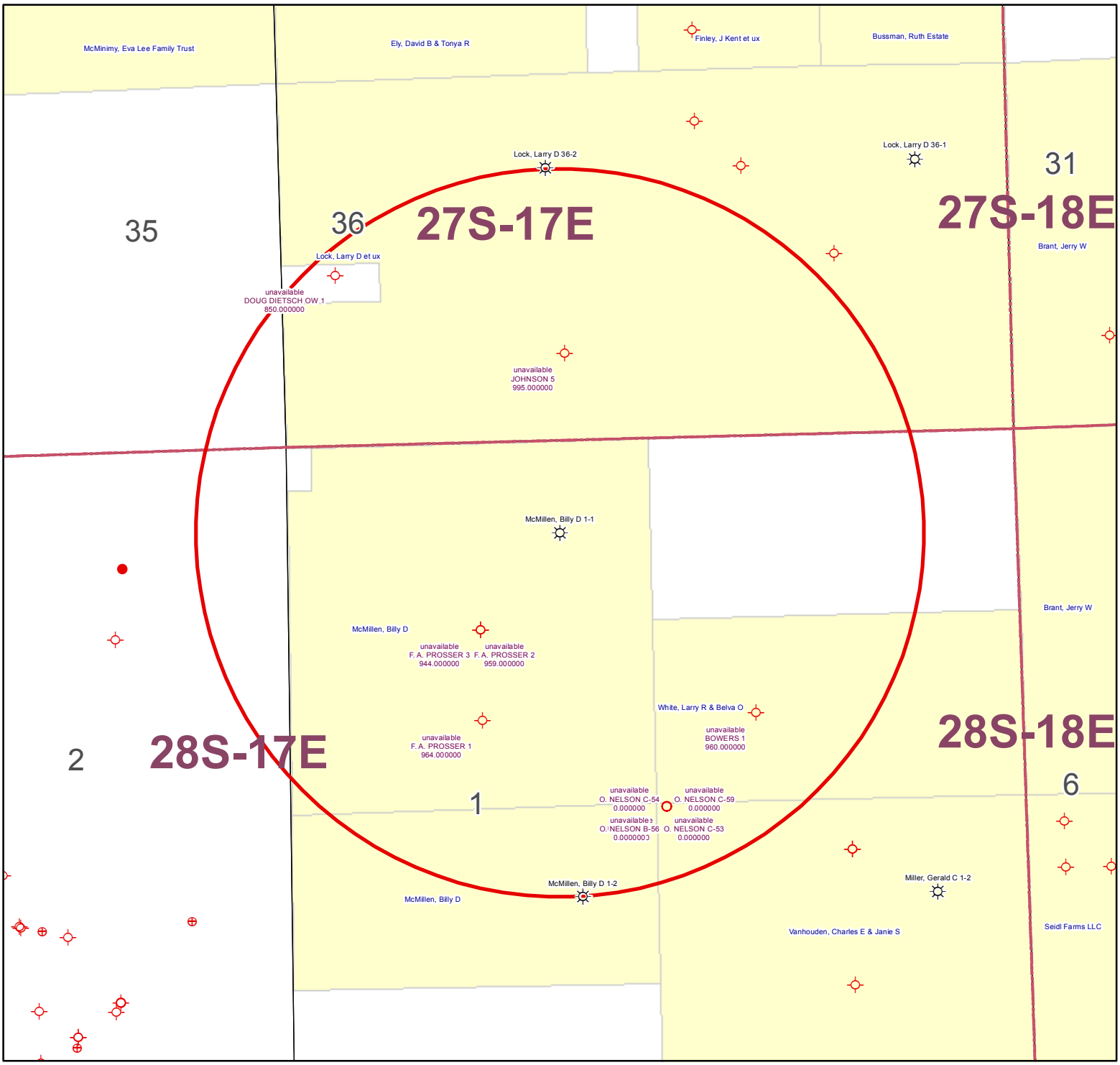
Submitted Electronically

KCC Office Use Only

☐ Denied ☑ Approved
15-Day Periods Ends: 11/11/2012
Approved By: Rick Hestermann Date: 11/13/2012

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 wihin 15 days of publication of the notice of application.

Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



KGS STATUS

- DA/PA
- EOR
- GAS
- INJ/SWD
- OIL
- OIL/GAS
- OTHER

McMillen, Billy D 1-1
1-28S-17E
1" = 1,000'

	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				
3	Select the brines	Select fluid	☑	☑	☑	☑	☑	Mixed brine:		Click	
4	Sample ID	by checking						Cell H28 is			
5	Date	the box(es),	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.	Goal Seek SSP	Click	
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38			
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			
9	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.			
10	Na^+	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	SI/SR (Final-Initial)
11	K^+ (if not known =0)	(mg/l)						0.00	Saturation Index values		
12	Mg^{2+}	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	Calcite		
13	Ca^{2+}	(mg/l)	1,836.00	2,452.00	2,044.00	1920.00	1948.00	2040.23	-0.73	-0.60	0.13
14	Sr^{2+}	(mg/l)						0.00	Barite		
15	Ba^{2+}	(mg/l)						0.00			
16	Fe^{2+}	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Halite		
17	Zn^{2+}	(mg/l)						0.00	-1.77	-1.80	-0.03
18	Pb^{2+}	(mg/l)						0.00	Gypsum		
19	Cl^-	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147.00	44388.44	-3.19	-3.18	0.00
20	SO_4^{2-}	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemihydrate		
21	F^-	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br^-	(mg/l)						0.00	Anhydrite		
23	SiO2	(mg/l) SiO2						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	Celestite		
25	CO3 Alkalinity	(mg/l as CO3)									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH3						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H3BO3						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_2S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
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	Inhibitor needed (mg/L)		
35	Choose one option to calculate SI?	0-CO2%+Alk, 1-pH+Alk, 2-CO2%+pH	0	0	0	0	0		Calcite	NTMP	
36	Gas/day(thousand cf/day)	(Mcf/D)						0	0.00	0.00	
37	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	BHPMP	
38	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	
39	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)							(Enter H40-H43)	pH		
40	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	
41	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	Viscosity (CentiPoise)		
42	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	
43	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capacity (cal/ml/^{0}C)		
44	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	
45	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
46	Gas Sp.Grav.	Sp.Grav.						0.60	Gypsum	HDTMP	
47	MeOH/Day	(B/D)	0					0	0.00	0.00	
48	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
49	Conc. Multiplier								0.00	0.00	
50	H^+ (Strong acid) †	(N)									
51	OH^- (Strong base) †	(N)									
52	Quality Control Checks at STP:										
53	H_2S Gas	(%)									
54	Total H2Saq (STP)	(mgH2S/l)									
55	pH Calculated	(pH)									
56	PCO2 Calculated	(%)									
57	Alkalinity Caclulated	(mg/l) as HCO3									
58	ΣCations=	(equiv./l)									
59	ΣAnions=	(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 ScaleSoftPitzer			2	BHPMP	°C	80	°F	176	
64	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m^3	100	ft^3	3,531	
65	If No, inhibitor # is:	4	#	4	DTPMP	m^3	100	bbl(42 US gal)	629	
66	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074	
67	1st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194	
68	% of 1st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193	
69	2nd inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238	
70	Display act. coefs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbl(42 US gal)	63	
71				10	Mixed					

Saturation Index Calculations

Champion Technologies, Inc.

(Based on the Tomson-Oddo Model)

Brine 1: Ward Feed Yard 34-1
Brine 2: Ward Feed Yard 4-1
Brine 3: Clinesmith 5-4
Brine 4: Clinesmith 1
Brine 5: Clinesmith 2

	Ratio					
Component (mg/L)	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	Mixed Brine
Calcium	1836	2452	2044	1920	1948	1952
Magnesium	1096	872	1200	953	858	865
Barium	0	0	0	0	0	0
Strontium	0	0	0	0	0	0
Bicarbonate	190	234	259	268	254	253
Sulfate	1	1	8	1	1	1
Chloride	36299	48965	47874	45632	43147	43206
CO_2 in Brine	246	220	264	422	405	401
Ionic Strength	1.12	1.48	1.46	1.38	1.31	1.31
Temperature (°F)	89	89	89	89	89	89
Pressure (psia)	50	50	120	120	120	119

Saturation Index

Calcite	-1.71	-1.41	-1.48	-1.68	-1.69	-1.69
Gypsum	-3.71	-3.64	-2.82	-3.73	-3.72	-3.69
Hemihydrate	-3.70	-3.65	-2.83	-3.74	-3.71	-3.69
Anhydrite	-3.89	-3.79	-2.97	-3.89	-3.88	-3.85
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

PTB

Calcite	N/A	N/A	N/A	N/A	N/A	N/A
Gypsum	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite	N/A	N/A	N/A	N/A	N/A	N/A
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33344
Name: Quest Cherokee, LLC
Address: 211 W. 14th Street
City/State/Zip: Chanute, KS 66720
Purchaser: Bluestem Pipeline, LLC
Operator Contact Person: Jennifer R. Ammann
Phone: (620) 431-9500
Contractor: Name: Michael Dilling
License: 33783
Wellsite Geologist: Ken Recoy
Designate Type of Completion:
✓ New Well ____ Re-Entry ____ Workover
____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
✓ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ____ Original Total Depth:
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Enhr.?) Docket No.

8/10/06	8/11/06	8/21/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26673-00-00
County: Neosho
__ - __ - ne - nw Sec. 1 Twp. 28 S. R. 17 ☑ 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: McMillen, Billy D. Well #: 1-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 976 Kelly Bushing: n/a
Total Depth: 1162 Plug Back Total Depth: 1158.44
Amount of Surface Pipe Set and Cemented at 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set ____ Feet
If Alternate II completion, cement circulated from 1158.44
feet depth to surface w/ 180 sx cmt.

Drilling Fluid Management Plan Alt II KJR 10/29/07
(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: Jennifer R. Ammann
Title: New Well Development Coordinator Date: 12/12/06
Subscribed and sworn to before me this 12th day of December,
20 06.
Notary Public: Terra Klauman
Date Commission Expires: 8-4-2010

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

KCC Office Use ONLY

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

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 13 2006
CONSERVATION DIVISION
WICHITA, KS

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: McMillen, Billy D. Well #: 1-1

Sec. 1 Twp. 28 S. R. 17 ☑ East ☐ West County: Neosho

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

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☐ No
(Submit Copy)

List All E. Logs Run:

Dual Induction Log
Compensated Density Neutron Log
Gamma Ray Neutron Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
See attached		

CASING RECORD ☐ New ☐ 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"	20	23	"A"	4	
Production	6-3/4	4-1/2	10.5	1158.44	"A"	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	849-851/784-786/811-813/759-762	400gal 15%HCL w/ 26 bbls 2%kcl water, 497bbls water w/ 2% KCL, Biocide, 13300# 30/70 sand	849-851/784-786
			811-813/759-762
4	663-667/653-657	300gal 15%HCL w/ 40 bbls 2%kcl water, 594bbls water w/ 2% KCL, Biocide, 13400# 30/70 sand	663-667/653-657

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	841.13	n/a	☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
10/30/06	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	n/a	0mcf	15.1bbls		

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☑ Perf. ☐ Dually Comp. ☐ Commingled _____
☐ Other *(Specify)* _____

Michael Drilling, LLC

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

S1106

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

Date: 08/11/06
Lease: McMillen, Billy D.
County: Neosho
Well#: 1-1
API#: 15-133-26673-00-00

Drilling Log

FEET	DESCRIPTION
0-20	Overburden
20-108	Sandy Shale
108-123	Lime
123-131	Shale
131-222	Lime
222-235	Shale
235-251	Lime
251-255	Black Shale
255-270	Lime
270-287	Sand
287-295	Lime
295-302	Shale
302-350	Lime
350-380	Sandy Shale
380-408	Shale
408-418	Sand
418-440	Sandy Shale
440-449	Lime
449-471	Shale
471-481	Lime
481-490	Shale
490-496	Sand
496-561	Sandy Shale
561-565	Lime

FEET	DESCRIPTION
565-568	Coal
568-598	Lime
598-601	Black Shale
601-635	Sandy Shale
635-636	Coal
636-656	Lime
648	Gas Test 54" at1/4" Choke
656-660	Black Shale
660-666	Lime
661	Gas Test 54" at1/4" Choke
666-668	Black Shale
668-669	Coal
669-680	Sand
680-711	Shale
686	Gas Test 17" at1/2" Choke
711-740	Shale
740-742	Coal
742-758	Shale
758-759	Lime
759-760	Coal
760-788	Shale
788-790	Coal
790-798	Shale
798-799	Coal

81106

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

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

Date: 08/11/06
Lease: McMillen, Billy D.
County: Neosho
Well#: 1-1
API#: 15-133-26673-00-00

Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
799-822	Shale		
822-823	Coal		
823-851	Shale		
851-853	Coal		
853-876	Shale		
876-878	Coal		
878-915	Shale		
915-921	Sand		
921-928	Shale		
928-982	Sand		
982-984	Coal		
984-1070	Sand		
1070-1073	Coal		
1073-1079	Shale		
1075	Gas Test 3" at1-1/2" Choke		
1079-1162	Missippi Lime		
1087	Gas Test 3" at1-1/2" Choke		
1162	Gas Test 3" at1-1/2" Choke		
1162	TD		
	Surface 23'		

QUEST
Resource Corporation

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

TICKET NUMBER 1758
FIELD TICKET REF #
FOREMAN Joe / Craig

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-21-06	McMillen Billy 1-1	1	28	17	NO

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe. B	6:45	11:15		903427		4.5	
Craig. G	7:00					4.25	
Wes. T	7:00			903197		4.25	
Maverick. D	7:00			903230		4.25	
Mark. B	7:00						
David. C	7:15			931415		4	
Troy. W	6:30			931615		4.75	
Russell. A	7:00			extra		4.25	

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1162 CASING SIZE & WEIGHT 4 1/2 10.5
CASING DEPTH 1158.44 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 0
DISPLACEMENT 18.47 DISPLACEMENT PSI MIX PSI RATE 4 bpm

REMARKS:
Ran 2 sks gel swept to surface. Installed cement head Ran 1 sk gel + 12 bbl dye of 180 sks of cement to get dye to surface. Flush pump. Pump wiper plug to bottom & set Float shoe.

	1158.44	Ft 4 1/2 Casing
	6	Centralizers
931300	2.5 hr	Casing tractor
607240	2.5 hr	Casing

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	4.5 hr	Foreman Pickup	
903197	4.25 hr	Cement Pump Truck	
903230	4.25 hr	Bulk Truck	
1104	170 SK	Portland Cement	
1124	1	~~50/50 POZ Blend Cement~~ Baffle 3 1/2"	
1126	1	~~OWC - Blend Cement~~ 4 1/2 Wiper plug	
1110	18 ~~SK~~	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	3 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	~~Sodium Silicate~~ Calchloride	
1123	7000 gal	City Water	
931415	4 hr	~~Transport Truck~~ 80 VOC	
		Transport Trailer	
903615	4.75 hr	80 Vac	

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 13 2006
CONSERVATION DIVISION
WICHITA, KS

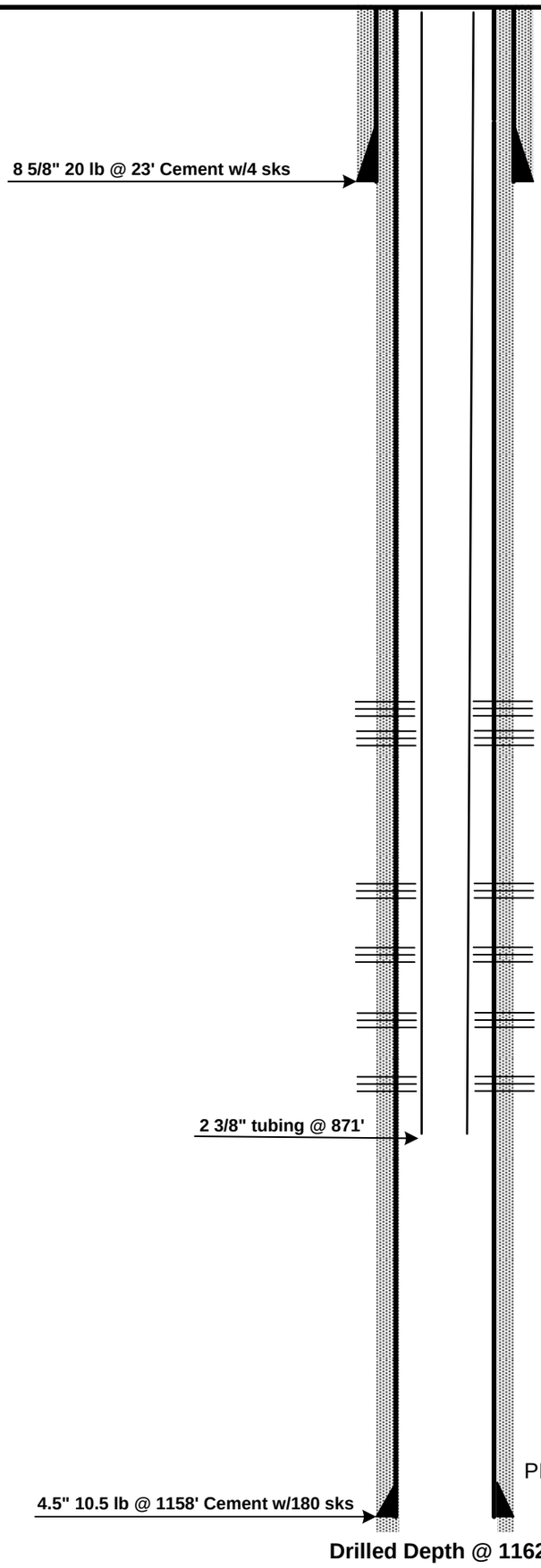
Ravin 4513

POSTROCK	PostRock	Current Completion

WELL : McMillen, Billy D 1-1
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Neosho

SPUD DATE : 8/10/2006
COMP. Date : 8/21/2006
API: 15-133-26673-00-00

LOCATION: 1-28S-17E (NE,NW)
ELEVATION: 976'



Drilled Depth @ 1162'

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"	20 lb			2006	23'
4 ½"	10.5 lb		.0159	2006	1158'
2 3/8"				2006	871'

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1

700 gals 15% HCL
1,091 bbls water
26,700 lbs 30/70 sand

Perforations

Original Completion: 4 spf
653-657 Summit (17)
663-667 Mulky (17)
759-762 Croweburg (13)
784-786 Fleming (9)
811-813 Fleming (9)
849-851 Tebo (9)

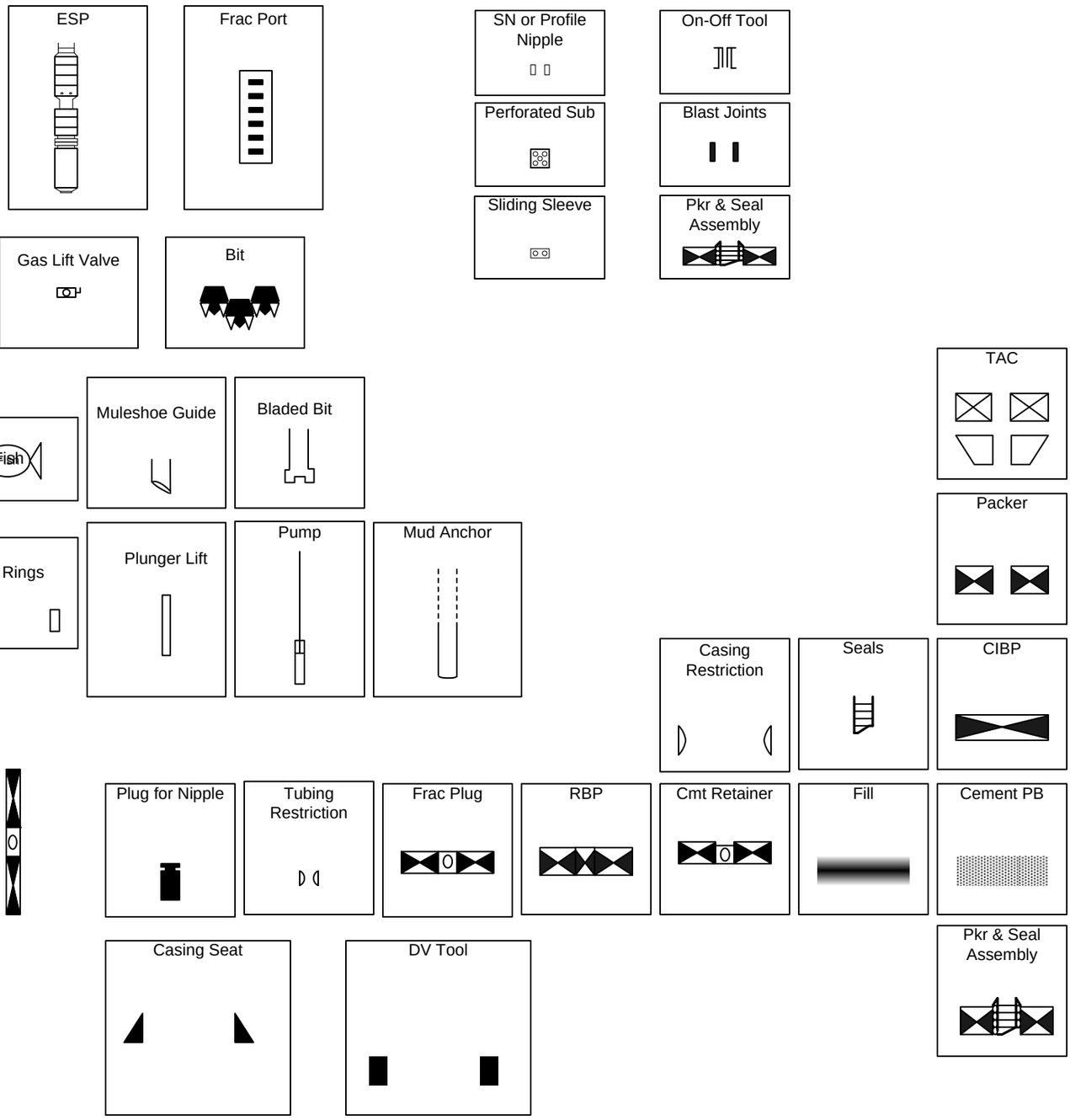
PREPARED BY: POSTROCK **DATE:** Oct, 2012

APPROVED BY: _____ **DATE:** _____

POSTROCK

PostRock

LEGEND



MCMILLEN, BILLY D 1-1

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

FORMATION:	TEBO	(PERFS):	849	-	851
FORMATION:	BARTLESVILLE	(PERFS):	912	-	918
FORMATION:	BARTLESVILLE	(PERFS):	938	-	946
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	
FORMATION:		(PERFS):		-	

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

FORMATION:	TEBO	BOPD:	0	MCFPD:	0.33 0	BWPD:	6.67
FORMATION:	BARTLESVILLE	BOPD:	1.5	MCFPD:	0	BWPD:	10
FORMATION:	BARTLESVILLE	BOPD:	1.5	MCFPD:	0	BWPD:	10
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	

Affidavit of Notice Served

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

Well Name: MCMILLEN, BILLY D 1-1 Legal Location: NESWNENW S1-T28S-R17E

The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day 26th of OCTOBER, 2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

Note: A copy of this affidavit must be served as a part of the application.

Name Address *(Attach additional sheets if necessary)*

SEE ATTACHED

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

Signed this 26th day of OCTOBER, 2012

Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 26th day of OCTOBER, 2012

JENNIFER R. BEAL
NOTARY PUBLIC
OFFICIAL SEAL
STATE OF KANSAS
MY COMMISSION EXPIRES
7-20-2016

Notary Public

My Commission Expires: July 20, 2016

MCMILLEN, BILLY D 1-1

1-28S-17E

tract in NE/4	Derek Waggoner 3651 Country Club Rd Chanute, KS 66720
N2NE/4 less tract	Ruthanne Waggoner 2615 190th Rd Chanute, KS 66720
tract in NW/4	Robert McMillen 2375 190th Rd Chanute, KS 66720
tract in NW/4 NW/4	Union Valley Cemetary Chanute, KS 66720

2-28S-17E

NE4	Legacy Farms LLC PO Box 5 Chanute, KS 66720	½ minerals
	Kepley Enterprises LLC 3035 160th Rd Chanute, KS 66720	½ minerals term

35-27S-17E

tract in SE4	William A. & Deborah Ellis 19135 Brown Rd Chanute, KS 66720
tract in SE4	Galen E Thorsell Rev Trust 1305 W 4th St Chanute, KS 66720

36-27S-17E

tract in SW4	Douglas & Jennifer Dietsch 19220 Brown Rd Chanute, KS 66720

MCMILLEN, BILLY D 1-1-APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS

Offset Operators, Unleased Mineral Owners and Landowners acreage

(Attach additional sheets if necessary)

Name:	Legal Description of Leasehold:
SEE ATTACHED	

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

Applicant or Duly Authorized Agent

Subscribed and sworn before me this 26th day of OCTOBER 2012

OFFICIAL SEAL
JENNIFER R. BEAL
NOTARY PUBLIC STATE OF NEW MEXICO
MY COMMISSION EXPIRES 7-20-2016

Notary Public

My Commission Expires: July 20, 2016

MCMILLEN, BILLY D 1-1

1-28S-17E

tract in NE/4
Derek Waggoner
3651 Country Club Rd
Chanute, KS 66720

N2NE/4 less tract
Ruthanne Waggoner
2615 190th Rd
Chanute, KS 66720

tract in NW/4
Robert McMillen
2375 190th Rd
Chanute, KS 66720

tract in NW/4 NW/4
Union Valley Cemetary
Chanute, KS 66720

2-28S-17E

NE4
Legacy Farms LLC ½ minerals
PO Box 5
Chanute, KS 66720

Kepley Enterprises LLC ½ minerals term
3035 160th Rd
Chanute, KS 66720

35-27S-17E

tract in SE4
William A. & Deborah Ellis
19135 Brown Rd
Chanute, KS 66720

tract in SE4
Galen E Thorsell Rev Trust
1305 W 4th St
Chanute, KS 66720

36-27S-17E

tract in SW4
Douglas & Jennifer Dietsch
19220 Brown Rd
Chanute, KS 66720

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 **27th** of

October A.D. **2012**, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

Mark Fletchall

Subscribed and sworn to before me this

29th day of October, 2012

PENNY L. CASE
Notary Public - State of Kansas
My Appt. Expires 5/25/2014

Penny L Case

Notary Public Sedgwick County, Kansas

Printer's Fee : **$137.20**

LEGAL PUBLICATION

Published in The Wichita Eagle
October 27, 2012 (3214835)
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 **McMillen, Billy D 1-1** located in **Neosho** County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that **Postrock Midcontinent Production, LLC** has filed an application to commingle the **Summit, Mulky, Croweburg, Fleming, Tebo and Bartlesville** producing formations at the **McMillen, Billy D 1-1,** located in the **NE SW NE NW, S1-T28S-R17E, Approximately 670 FNL & 1976 FWL, Neosho** County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All 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

BEFORE THE STATE
CORPORATION COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION

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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 9th day of October
2012, with subsequent publications being made on the following dates:

_____, 2012 _____, 2012

_____, 2012 _____, 2012

Rhonda Howerter

Subscribed and sworn to and before me this 9th day of October, 2012

_____
Notary Public

My commission expires: January 9, 2015

Printer's Fee	$ 70.14
Affidavit, Notary's Fee	$ 3.00
Additional Copies	$
Total Publication Fees	$ 73.14

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

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

November 13, 2012

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

RE: Approved Commingling CO111202
McMillen, Billy D. 1-1, Sec. 1-T28S-R17E, Neosho County
API No. 15-133-26673-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on November 2, 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 Bartlesville 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 CO111202 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