



KANSAS CORPORATION COMMISSION 1093843
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF *Commingling ID #* **CO101221**
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 - 15-205-26987-00-00
Spot Description: _____
E2 W2 NE SW Sec. 21 Twp. 28 S. R. 17 East West
1980 Feet from North / South Line of Section
1825 Feet from East / West Line of Section
County: Wilson
Lease Name: OLSON DAVID D Well #: 21-2

1. Name and upper and lower limit of each production interval to be commingled:
Formation: SUMMIT (Perfs): 644-648
Formation: MULKY (Perfs): 656-660
Formation: BEVIER (Perfs): 727-729
Formation: CROWEBURG (Perfs): 745-748
Formation: WEIR (Perfs): 883-885

2. Estimated amount of fluid production to be commingled from each interval:
Formation: SUMMIT BOPD: 5.13 MCFPD: 0 BWPD: 3.15
Formation: MULKY BOPD: 5.13 MCFPD: 0 BWPD: 3.15
Formation: BEVIER BOPD: 5.13 MCFPD: 0 BWPD: 3.15
Formation: CROWEBURG BOPD: 5.13 MCFPD: 0 BWPD: 3.15
Formation: WEIR BOPD: 5.13 MCFPD: 0 BWPD: 3.15

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.

4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

For Commingling of PRODUCTION ONLY, include the following:

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

For Commingling of FLUIDS ONLY, include the following:

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

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

Submitted Electronically

KCC Office Use Only	
<input type="checkbox"/> Denied	<input checked="" type="checkbox"/> Approved
15-Day Periods Ends: <u>11/8/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>11/08/2012</u>

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

	A	B	C	D	E	F	G	H	I	J	K
1	Produced Fluids #		1	2	3	4	5		Click here to run SSP Goal Seek SSP		Click
2	Parameters	Units	Input	Input	Input	Input	Input				Click
3	Select the brines	Select fluid						Mixed brine:			Click
4	Sample ID	by checking						Cell H28 is			Click
5	Date	the box(es),	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012	STP calc. pH.			Click
6	Operator	Row 3	PostRock	PostRock	PostRock	PostRock	PostRock	Cells H35-38	Click		
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith	are used in	Click		
8	Location		#34-1	#4-1	#5-4	#1	#2	mixed brines	Click		
9	Field		CBM	CBM	Bartles	Bartles	Bartles	calculations.			
10	Na ⁺	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	SI/SR
11	K ⁺ (if not known =0)	(mg/l)							Saturation Index values		(Final-Initial)
12	Mg ²⁺	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	Calcite		
13	Ca ²⁺	(mg/l)	1,836.00	2,452.00	2,044.00	1920.00	1948.00	2040.23	-0.73	-0.60	0.13
14	Sr ²⁺	(mg/l)						0.00	Barite		
15	Ba ²⁺	(mg/l)						0.00	Halite		
16	Fe ²⁺	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Gypsum		
17	Zn ²⁺	(mg/l)						0.00	-1.77	-1.80	-0.03
18	Pb ²⁺	(mg/l)						0.00	Iron Sulfide		
19	Cl ⁻	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147.00	44388.44	-3.19	-3.18	0.00
20	SO ₄ ²⁻	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemihydrate		
21	F ⁻	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br ⁻	(mg/l)						0.00	Anhydrite		
23	SiO ₂	(mg/l) SiO ₂						0.00	-3.47	-3.36	0.12
24	HCO ₃ Alkalinity**	(mg/l as HCO ₃)	190.00	234.00	259.00	268.00	254.00	241.03	Celestite		
25	CO ₃ Alkalinity	(mg/l as CO ₃)							Iron Sulfide		
26	Carboxylic acids**	(mg/l)						0.00	Zinc 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	Calcium fluoride		
29	TDS (Measured)	(mg/l)						72781	Iron Carbonate		
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	22.41	35.53	33.79	Zinc Sulfide		
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)		
	Choose one option to calculate SI?	0-CO ₂ +Alk, 1-pH+Alk, 2-CO ₂ +pH	0	0	0	0	0		Calcite	NTMP	
35	Gas/day(thousand cf/day)	(Mcf/D)						0	0.00	0.00	
36	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	BHPMP	
37	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	
38	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)								(Enter H40-H43)		pH
39	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	
40	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	Viscosity (CentiPoise)		
41	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	
42	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capacity (cal/ml/°C)		
43	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	
44	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
45	Gas Sp.Grav.	Sp.Grav.						0.60	Gypsum	HDTMP	
46	MeOH/Day	(B/D)	0					0	0.00	0.00	
47	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
48	Conc. Multiplier								0.00	0.00	
49	H ⁺ (Strong acid) ¹	(N)									
50	OH ⁻ (Strong base) ¹	(N)									
51	Quality Control Checks at STP:										
52	H ₂ S Gas	(%)									
53	Total H ₂ Saq (STP)	(mgH ₂ S/l)									
54	pH Calculated	(pH)									
55	PCO ₂ Calculated	(%)									
56	Alkalinity Calculated	(mg/l) as HCO ₃									
57	ΣCations=	(equiv./l)									
58	ΣAnions=	(equiv./l)									
59	Calc TDS=	(mg/l)									
60	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)					
61	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
62	Have ScaleSoftPitzer			2	BHPMP	°C	80	°F	176		
63	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m ³	100	ft ³	3.531		
64	If No, inhibitor # is:	4	#	4	DTPMP	m ³	100	bbl(42 US gal)	629		
65	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
66	1 st inhibitor # is:	1	#	6	SPA	Bar	496	psia	7.194		
67	% of 1 st inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
68	2 nd inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238		
69	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbl(42 US gal)	63		
70				10	Mixed						

Saturation Index Calculations

Champion Technologies, Inc.
(Based on the Tomson-Oddo Model)

Brine 1: Ward Feed Yard 34-1

Brine 2: Ward Feed Yard 4-1

Brine 3: Clinesmith 5-4

Brine 4: Clinesmith 1

Brine 5: Clinesmith 2

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

Saturation Index

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

PTB

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

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

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: TXD Services LP
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. _____

<u>11/14/06</u>	<u>11/15/06</u>	<u>11/16/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

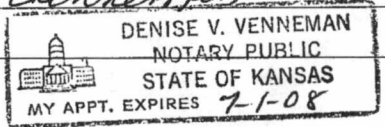
API No. 15 - 205-26987-0000
County: Wilson
_____ ne _____ sw Sec. 21 Twp. 28 S. R. 17 East West
1980 feet from S N (circle one) Line of Section
1825 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Olson, David D. Well #: 21-2
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 912 Kelly Bushing: n/a
Total Depth: 1152 Plug Back Total Depth: 1143.62
Amount of Surface Pipe Set and Cemented at 21' 6" Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1143.62
feet depth to surface w/ 145 sx cmf.

Drilling Fluid Management Plan Alt #2 KJR 6/19/07
(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, 30 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: 3/13/07
Subscribed and sworn to before me this 13th day of March,
2007.
Notary Public: Denise V. Vennemans
Date Commission Expires: 7-1-08



KCC Office Use ONLY

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

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 14 2007

Operator Name: Quest Cherokee, LLC Lease Name: Olson, David D. Well #: 21-2
 Sec. 21 Twp. 128 S. R. 17 East West County: Wilson

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

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attached

Compensated Density/Neutron Log
 Dual Induction Log
 Gamma Ray Neutron Log

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8"	20	21' 6"	"A"	5	
Production	6-3/4	4-1/2	10.5	1143.62	"A"	145	

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	1034-1037/988-989/982-984	300gal 15%HCL w/ 35 bbls 2%kcl water, 449bbls water w/ 2% KCL, Blockade, 8000# 30/70 sand	1034-1037/988-989
			982-984
4	883-885/745-748/727-729	300gal 15%HCL w/ 40 bbls 2%kcl water, 707bbls water w/ 2% KCL, Blockade, 10000# 30/70 sand	883-885/745-748
			727-729
4	656-660/644-648	300gal 15%HCL w/ 56 bbls 2%kcl water, 599bbls water w/ 2% KCL, Blockade, 12000# 30/70 sand	656-660/644-648

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	1070	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
1/31/07		<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.	Gas-Oil Ratio	Gravity
	n/a	52.8mcf	163.6bbls		

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

METHOD OF COMPLETION Open Hole Perf. Other (Specify)

Production Interval Dually Comp. Commingled

TXD SERVICES LP

DRILLERS LOG

TXD SERVICES LP

RIG #	101	S. 21	T. 28	R. 17E	GAS TESTS:		
API #	205-26987	County:	Wilson		501'	0	
Elev:	912'	Location	Kansas		689'	13 - 3/4"	51.4
					752'	15 - 3/4"	55.2
Operator:	Quest Cherokee, LLC				783'	15 - 3/4"	55.2
Address:	9520 N. May Ave, Suite 300				815'	15 - 3/4"	
	Oklahoma City, OK. 73120				845'	15 - 3/4"	
Well #	21-2	Lease Name Olson, David			908'	15 - 3/4"	
Footage Location	6/2/1906 ft from the		S	Line	970'	16 - 3/4"	56.8
	1825 ft from the		W	Line	1001'	17 - 3/4"	58.5
Drilling Contractor:	TXD SERVICES LP				1063'	15 - 3/4"	55.2
Spud Date:	11/14/2006	Geologist:			1152'	GCS	
Date Comp:	11/15/2006	Total Depth: 1152'					
Exact spot Location:	NE SW						
Surface		Production					
Size Hole	12-1/4"	6-3/4"					
Size Casing	8-5/8"	4-1/2"					
Weight	24#						
Setting Depth	21.5'						
Type Cement	portland						
Sacks							

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
top soil	0	6	coal	554	555	coal	906	907
shale	6	139	lime	555	587	shale	907	941
sand	139	157	shale	587	600	coal	941	942
sand/shale	157	166	sand/shale	600	632	shale	942	970
lime	166	220	lime	632	645	coal	970	971
sand	220	248	shale	645	649	shale	971	986
lime	248	253	sand/shale	649	657	coal	986	987
shale	253	257	coal	657	658	shale	987	1020
lime	257	279	shale	658	730	coal	1020	1021
shale	279	284	coal	730	731	shale	1021	1041
lime	284	290	shale	731	743	lime	1041	1152
sand	290	295	coal	743	744			
sand/shale	295	301	shale	744	783			
lime	301	340	coal	783	784			
shale	340	419	shale	784	789			
lime	419	427	sand	789	794			
sand/shale	427	436	shale	794	812			
sand	436	441	coal	812	814			
lime	441	464	shale	814	839			
sand	464	487	sand	839	840			
sand/shale	487	497	shale	840	855			
coal	497	498	sand	855	860			
sand/shale	498	554	shale	860	906			

166-220' on water

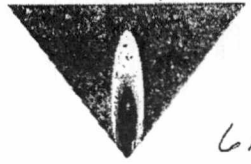
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KANSAS CORPORATION COMMISSION

MAR 14 2007

CONSERVATION DIVISION
WICHITA, KS

QUEST

Resource Corporation



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

TICKET NUMBER 1918

FIELD TICKET REF #

FOREMAN Joe B

615870

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-16-06	OLSON DAVID 21-2	21	28	17	WK

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe B	6:45	10:00		903427		3.25	<i>Joe Blanchard</i>
Wes T	7:00			903197		3	<i>Wes T</i>
Russell A	7:00			903103		3	<i>Russell</i>
Paul H	6:45			903142	932452	3.25	<i>Paul H</i>
TROY W	6:45			903286		3.25	<i>Troy W</i>

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1152' CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 1143.62 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 0
 DISPLACEMENT 18.23 DISPLACEMENT PSI _____ MIX PSI _____ RATE 46rpm

REMARKS:

Installed cement head Ran 2 sks gel & 12 bbl dye & 145 SKS of cement
To get dye to surface. Push pump. Pump uniper plug to bottom & set float shoe

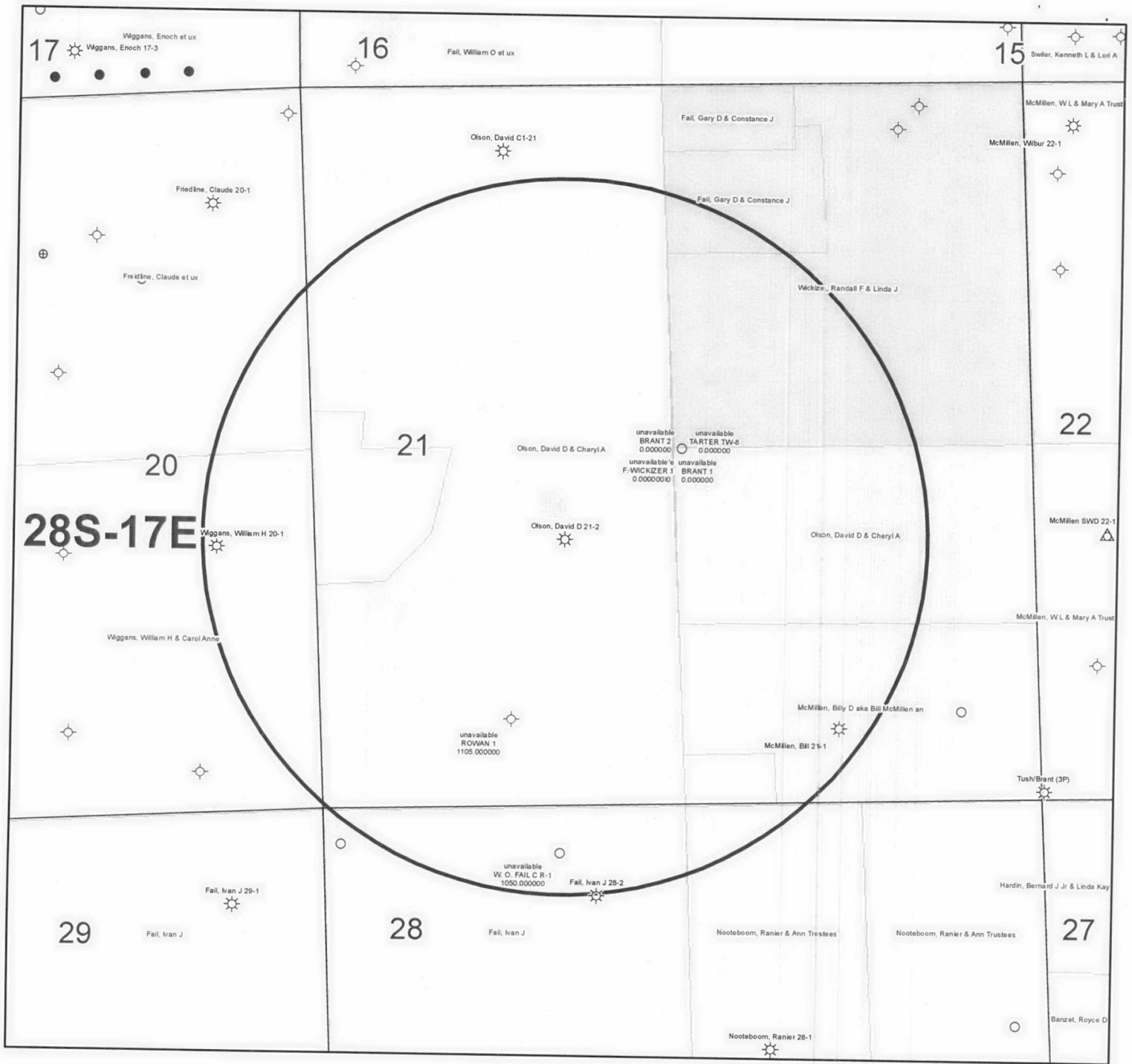
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KANSAS CORPORATION COMMISSION

MAR 14 2007

CONSERVATION DIVISION
WICHITA, KS

	1143.62	Ft 4 1/2 Casing
	6	Centralizers
	1	4 1/2 Float shoe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	3.25 hr	Foreman Pickup	
903197	3 hr	Cement Pump Truck	
903103	3 hr	Bulk Truck	
1104	138 SK	Portland Cement	
1124	2	50/50 POZ Blend Cement	
1126	1	OWC - Blend Cement	
1110	14 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	2 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	Sodium Silicate <u>Calcchloride</u>	
1123	7000 gal	City Water	
903142	3.25 hr	Transport Truck	
932452	3.25 hr	Transport Trailer	
	3.25 hr	80 Vac	



KGS STATUS

⊙	DA/PA
⊕	EOR
☀	GAS
△	INJ/SWD
●	OIL
☀	OIL/GAS
○	OTHER

Olson, David D 21-2
 21-28S-17E
 1" = 1,000'

POSTROCK



Current Completion

WELL : Olson, David D 21-2
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Wilson

SPUD DATE : 11/14/2006
COMP. Date : 11/16/2006
API: 15-205-26987-00-00

LOCATION: 21-28S-17E (NE,SW)
ELEVATION: 912'

8 5/8" 20 lb @ 21' Cement w/5 sks

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	21'
4 1/2"	10.5 lb		.0159	2006	1143'
2 3/8"				2006	1070'

Downhole Equipment Detail

Empty box for Downhole Equipment Detail.

Completion Data

Original as GAS Well per ACO-1
900 gals 15% HCL
1,755 bbls water
30,000 lbs 30/70 sand

Perforations

Original Completion: 4 spf
644-648 Summit (17)
656-660 Mulky (17)
727-729 Bevier (9)
745-748 Croweburg (13)
883-885 Weir (9)
982-984 Rowe (9)
988-989 Neutral (5)
1034-1037 Riverton (13)

2 3/8" tubing @ 1070'

4.5" 10.5 lb @ 1143' Cement w/145 sks

PBTD @ 1143'

Drilled Depth @ 1152'

PREPARED BY: POSTROCK
APPROVED BY: _____

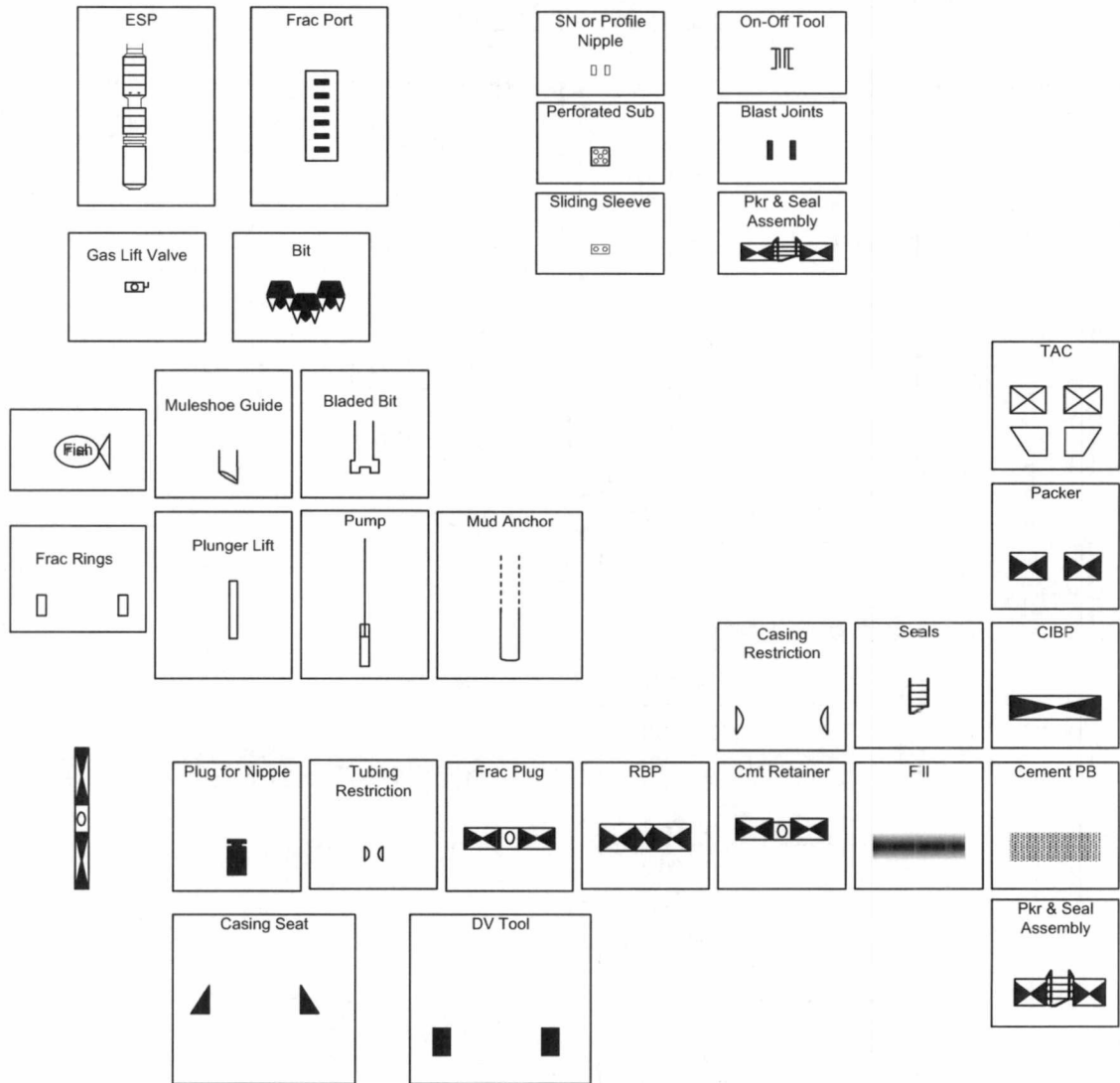
DATE: Sept, 2012
DATE: _____

POSTROCK



LEGEND

PostRock[®]



AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 11th of

October A.D. 2012, with

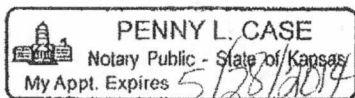
subsequent publications being made on the following dates:

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

Mark Fletchall

Subscribed and sworn to before me this

11th day of October, 2012



Penny L Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$132.40

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
OCTOBER 11, 2012 (321699)
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 Olson, David D 21-2 located in Wilson 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 commingle the Summit, Mulky, Bewler, Croweburg, Weir, Rowe, Neutral, Riverton and Squirrel producing formations at the Olson, David D 21-2, located in the NE SW, S21-T285-R17E, Approximately 1980 FSL & 1825 FWL, Wilson 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

PROOF OF PUBLICATION

STATE OF KANSAS
Wilson County - SS

JOSEPH S. and RITA M. RELPH, of lawful age, being duly sworn upon oath that they are the Owners and Publishers of the WILSON COUNTY CITIZEN:

THAT said newspaper has been published at least weekly fifty (50) times a year and has been so published for at least five years prior to the first publication of the attached notice:

THAT said newspaper is a general circulation on a daily, or weekly, or monthly, or yearly basis in;

WILSON COUNTY, KANSAS and is NOT a trade, religious or fraternal publication and has been PRINTED and PUBLISHED in Wilson County, Kansas.

THE ATTACHED was published on the following dates in a regular issue of said newspaper:

1st publication was made on the 15th day of October, 2012

2nd publication was made on the _____ day of _____, 20_____

3rd publication was made on the _____ day of _____, 20_____

4th publication was made on the _____ day of _____, 20_____

5th publication was made on the _____ day of _____, 20_____

6th publication was made on the _____ day of _____, 20_____

TOTAL PUBLICATION FEE: \$ 40⁰⁴

(Signed) Mona S. Wilberry

Subscribed and sworn to before me, this 16th day of October, 2012

Rita M. Relph (Notary Public)

My commission expires Aug. 30, 2014

(Published in the Wilson County Citizen on Monday, October 15, 2012.)

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

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Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 660-7704
69 1 copy



PAID

Affidavit of Notice Served

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

Well Name: OLSON, DAVID D 21-2 Legal Location: NESW S21-T28S-R17E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 24th of OCTOBER, 2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

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

Name

Address (Attach additional sheets if necessary)

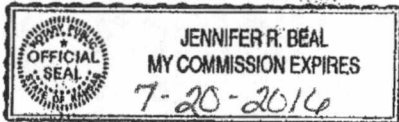
SEE ATTACHED

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

Signed this 24th day of OCTOBER, 2012

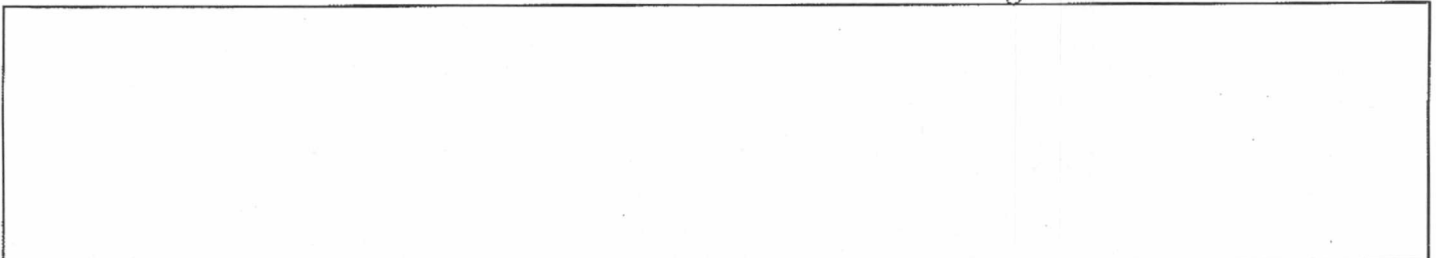
Chler
Applicant or Duly Authorized Agent

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



Jennifer R Beal
Notary Public

My Commission Expires: July 20, 2014



OLSON, DAVID D 21-2

21-28S-17E

Tract in W2

Jason & Jaime Costin

15543 Wichita Rd

Chanute, KS 66720

tract in S2SE David Lee Amie K. McMillen

23604 1500 Rd

Chanute, KS 66720

OLSON, DAVID D 21-2

21-28S-17E

Tract in W2

Jason & Jaime Costin
15543 Wichita Rd
Chanute, KS 66720

tract in S2SE David Lee Amie K. McMillen

23604 1500 Rd
Chanute, KS 66720

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 8, 2012

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

RE: Approved Commingling CO101221
Olson, David D. 21-2, Sec. 21-T28S-R17E, Wilson County
API No. 15-205-26987-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on October 26, 2012, has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the 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 CO101221 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