KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1093896

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 # CO121204

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 - 15-205-27014-00-00
Spot Description:
SW NE NE SE Sec. 3 Twp. 28 S. R. 15 ☑ East ☐ West
1989 Feet from ☐ North / ☑ South Line of Section
347 Feet from ☑ East / ☐ West Line of Section
County: Wilson
Lease Name: ORENDORFF HARRY L Well #: 3-1

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

Formation:	SUMMIT	(Perfs):	788-792
Formation:	MULKY	(Perfs):	800-804
Formation:	CROWEBURG	(Perfs):	885-888
Formation:	FLEMING	(Perfs):	920-922
Formation:	WIER	(Perfs):	1029-1031

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

Formation:	SUMMIT	BOPD:	0	MCFPD:	1.6	BWPD: .6
Formation:	MULKY	BOPD:	0	MCFPD:	1.6	BWPD: .6
Formation:	CROWEBURG	BOPD:	0	MCFPD:	1.6	BWPD: .6
Formation:	FLEMING	BOPD:	0	MCFPD:	1.6	BWPD: .6
Formation:	WIER	BOPD:	0	MCFPD:	1.6	BWPD: .6

☑ 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: 12/12/2012
Approved By: Rick Hestermann Date: 12/12/2012

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

	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: TXD Services LP
License: 33837
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.

11/28/06	11/29/06	12/04/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27014 -00-00
County: Wilson
__ - e/2 - ne - se Sec. 3 Twp. 28 S. R. 15 ✓ East ☐ West
1980 feet from (S) N (circle one) Line of Section
350 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Orendorff, Harry L. Well #: 3-1
Field Name: Cherokee Basin CBM
Producing Formation: Multiple
Elevation: Ground: 860 Kelly Bushing: n/a
Total Depth: 1264 Plug Back Total Depth: 1256.38
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 1256.38
feet depth to surface w/ 173 sx cmt.

Drilling Fluid Management Plan ALT#2 KJR 6/15/07
(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.:

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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: 3/23/07

Subscribed and sworn to before me this 23rd day of March, 20 07.
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

✓

Side Two

Operator Name: Quest Cherokee, LLC Lease Name: Orendorff, Harry L. Well #: 3-1

Sec. 3 Twp. 28 S. R. 15 ☑ 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:

Compensated Density/Neutron Log
Dual Induction 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	21' 6"	"A"	5	
Production	6-3/4	4-1/2	10.5	1256.38	"A"	173	

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
	waiting on pipelin		

TUBING RECORD Size Set At Packer At Liner Run ☐ Yes ☐ No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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)*

QUEST
Resource Corporation

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

TICKET NUMBER 1938
FIELD TICKET REF #
FOREMAN Joe

619050

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-04-06	Orendorff Harry 3-1	3	27	15	WL

FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe . B	6:45	4:00		903427		6.75	
Wes. T	7:00	2:30		903197		7.5	
Russell. A	7:00	2:30		903230		7.5	
Brandon. M	7:00	1:30		903400	932705	6.5	
Jerry. O	6:30	1:30		903286		7	

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1264 CASING SIZE & WEIGHT 4 1/2 10.5
CASING DEPTH 1256.38 DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.5 SLURRY VOL WATER gal/sk CEMENT LEFT in CASING 0
DISPLACEMENT 20.03 DISPLACEMENT PSI MIX PSI RATE 4 bpm

REMARKS:
Installed cement head RAN 2 SKS gel & 1 bbl dye & 173 SKS of cement TO get dye to surface. Flush pump. Pump wiper plug to bottom & set flt shoe

6 hr Wait ON dozer to move trucks out of mud & SNOW

	1256.38	Ft 4 1/2 Casing
	6	Centralizers
	1	4 1/2 floatshoe

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	6.75 hr	Foreman Pickup	
903197	7.5 hr	Cement Pump Truck	
903230	7.5 hr	Bulk Truck	
1104	163 SK	Portland Cement	
1124	2	~~50/50 POZ Blend Cement~~ Baffles 3 1/2 & 3"	
1126	1	~~OWC Blend Cement~~ 4 1/2 wiper plug	
1110	17 SK	Gilsonite	
1107	1.5 SK	Flo-Seal	
1118	2 SK	Premium Gel	
1215A	1 gal	KCL	
1111B	3 SK	~~Sodium Silicate~~ Calchloride	
1123	7000 gal	City Water	
	6.5 hr	Transport Truck	
	6.5 hr	Transport Trailer	
903286	7 hr	80 Vac	

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Ravin 4513

TXD SERVICES LP DRILLERS LOG

TXD SERVICES LP

RIG #	101	S. 3	T. 28	R. 15	
API #	205-27014	County:	Wilson		
	Elev: 860'	Location	Kansas		

Operator:	Quest Cherokee, LLC
Address:	9520 N. May Ave, Suite 300
	Oklahoma City, OK. 73120
Well #	3-1 Lease Name Orendorff, Harry L.
Footage Location	1980 ft from the S Line
	350 ft from the E Line
Drilling Contractor:	TXD SERVICES LP
Spud Date:	11/28/2006 Geologist:
Date Comp:	11/29/2006 Total Depth: 1264'
Exact spot Location:	E/2 NE SE

Casing Record	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		

Gas Tests		
408'	10 - 1/4"	5.32
439'	10 - 1/4"	5.32
532'	3 - 1/2"	10.9
689'	2 - 1/2"	8.87
720'	2 - 1/2"	8.87
752'	2 - 1/2"	8.87
783'	2 - 1/2"	8.87
815'	2 - 1/2"	8.87
908'	2 - 1/2"	8.87
940'	3 - 1/2"	10.9
1001'	6 - 1/2"	15.4
1157'	6 - 1/2"	15.4
1189'	7 1/2"	16.7
1264'	TD/GCS	

Rig Time

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Well Log

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
top soil	0	1	lime	461	486	sand	683	703
clayshalelime	1	20	coal	486	487	l.shale	703	705
shale	20	106	lime	487	515	lime	705	708
lime	106	124	b.shale	515	520	coal	708	710
shale	124	170	coal	520	522	lime	710	737
lime	170	218	b.shale	522	524	b.shale	737	739
shale	218	245	shale	524	530	coal	739	740
sand	245	263	b.shale	530	532	lime	740	750
b.shale	263	265	shale	532	540	shale	750	752
shale	265	283	sand	540	550	sand	752	764
lime	283	296	shale	550	567	coal	764	765
shale	296	306	lime	567	571	lime	765	791
lime	306	389	shale	571	575	b.shale	791	793
b.shale	389	391	lime	575	585	lime	793	803
lime	391	397	shale	585	606	coal	803	805
shale	397	419	lime	606	618	shale	805	808
sand	419	424	sand	618	621	sand	808	862
coal	424	425	shale	621	628	b.shale	862	864
lime	425	430	lime	628	654	shale	864	877
shale	430	445	shale	654	669	sand	877	880
lime	445	459	coal	669	670	coal	880	882
b.shale	459	460	shale	670	675	sand	882	889
coal	460	461	l.shale	675	683	shale	889	916

348' added water, 470' odor, 515-520' odor, 810-820' odor,

Well Log - Oxendorff, 3-1 pg2

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
coal	916	917						
shale	917	928						
coal	928	929						
sand	929	952						
shale	952	962						
b.shale	962	964						
sand	964	980						
shale	980	1020						
sand	1020	1095						
shale	1095	1100						
sand	1100	1128						
coal	1128	1130						
sand	1130	1165						
b.shale	1165	1167						
coal	1167	1168						
shale	1168	1179						
chat	1179	1264						

Comments: 1024-1028' odor, 1157-1165' odor, 1150' hit lots of water, 1179-1264' mississippi

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MAR 26 2007
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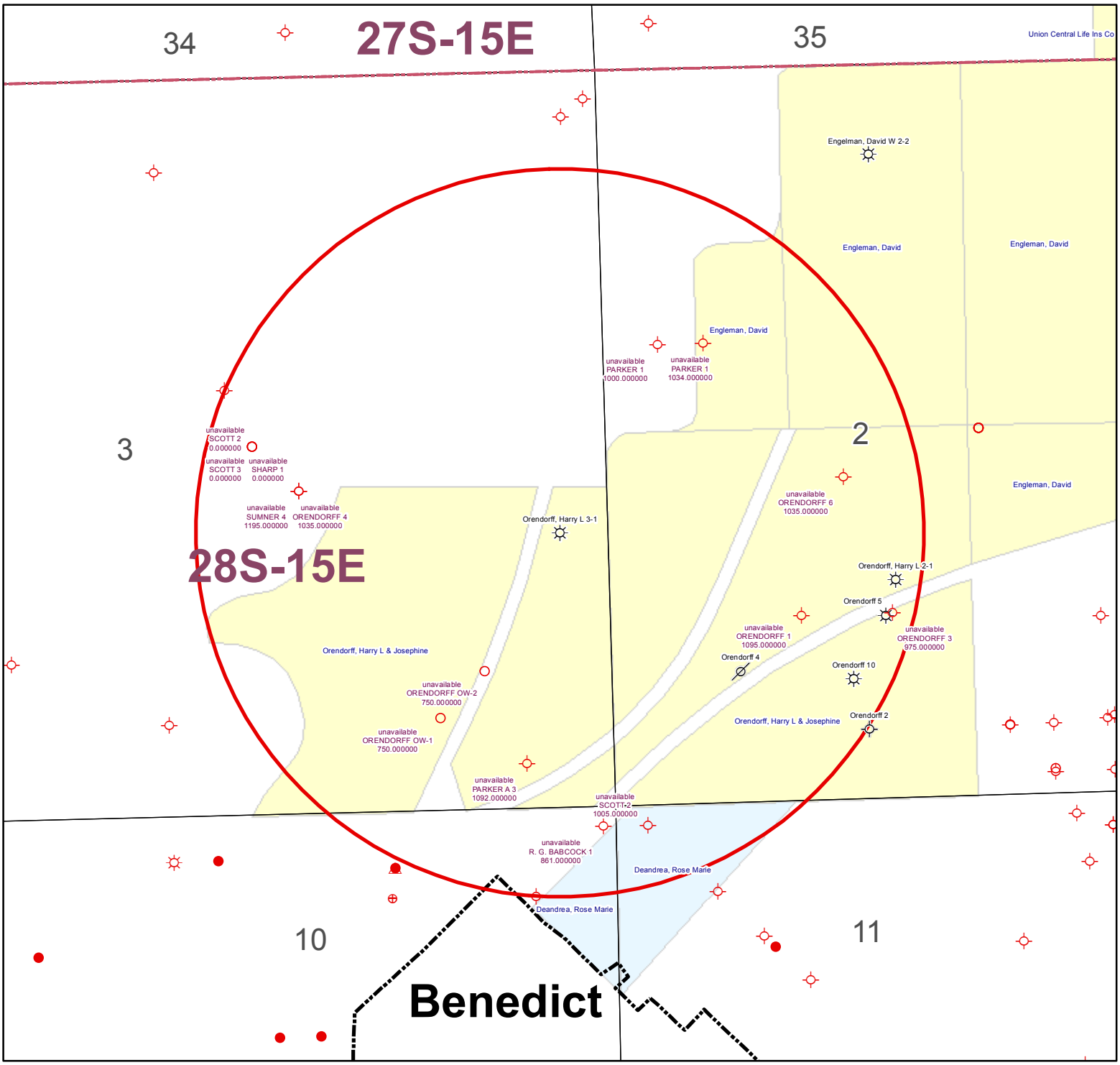


KGS STATUS

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

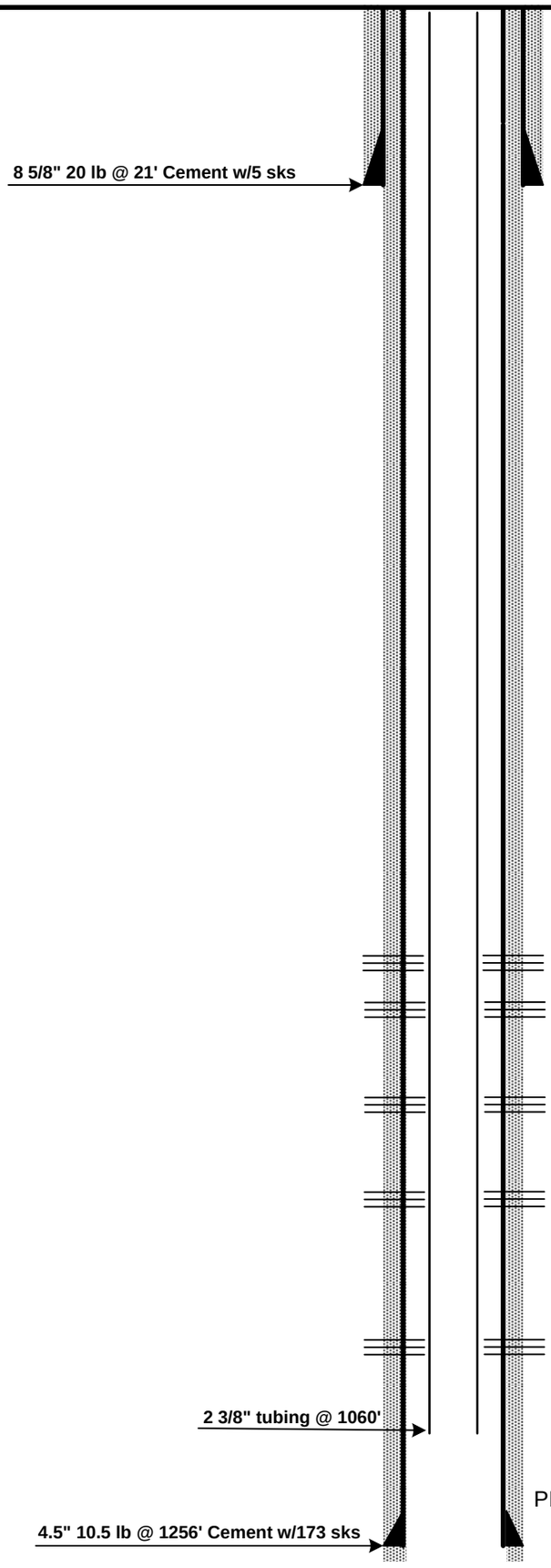
Orendorff, Harry L 3-1
3-28S-15E
1" = 1,000'

POSTROCK	PostRock	Current Completion

WELL : Orendorff, Harry L 3-1
FIELD : Cherokee Basin
STATE : Kansas
COUNTY : Wilson

SPUD DATE : 11/28/2006
COMP. Date : 12/4/2006
API: 15-205-27014-00-00

LOCATION: 3-28S-15E (NE,SE)
ELEVATION: 860'



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 ½"	10.5 lb		.0159	2006	1256'
2 3/8"				2007	1060'

Downhole Equipment Detail

Completion Data

Original as GAS Well per ACO-1

600 gals 15% HCL
1,161 bbls water
23,800 lbs 20/40 sand

Perforations

Original Completion: **5/14/2007** 4 spf
788-792 Summit (17)
800-804 Mulky (17)
885-888 Croweburg (13)
920-922 Fleming (9)
1029-1031 Weir (9)

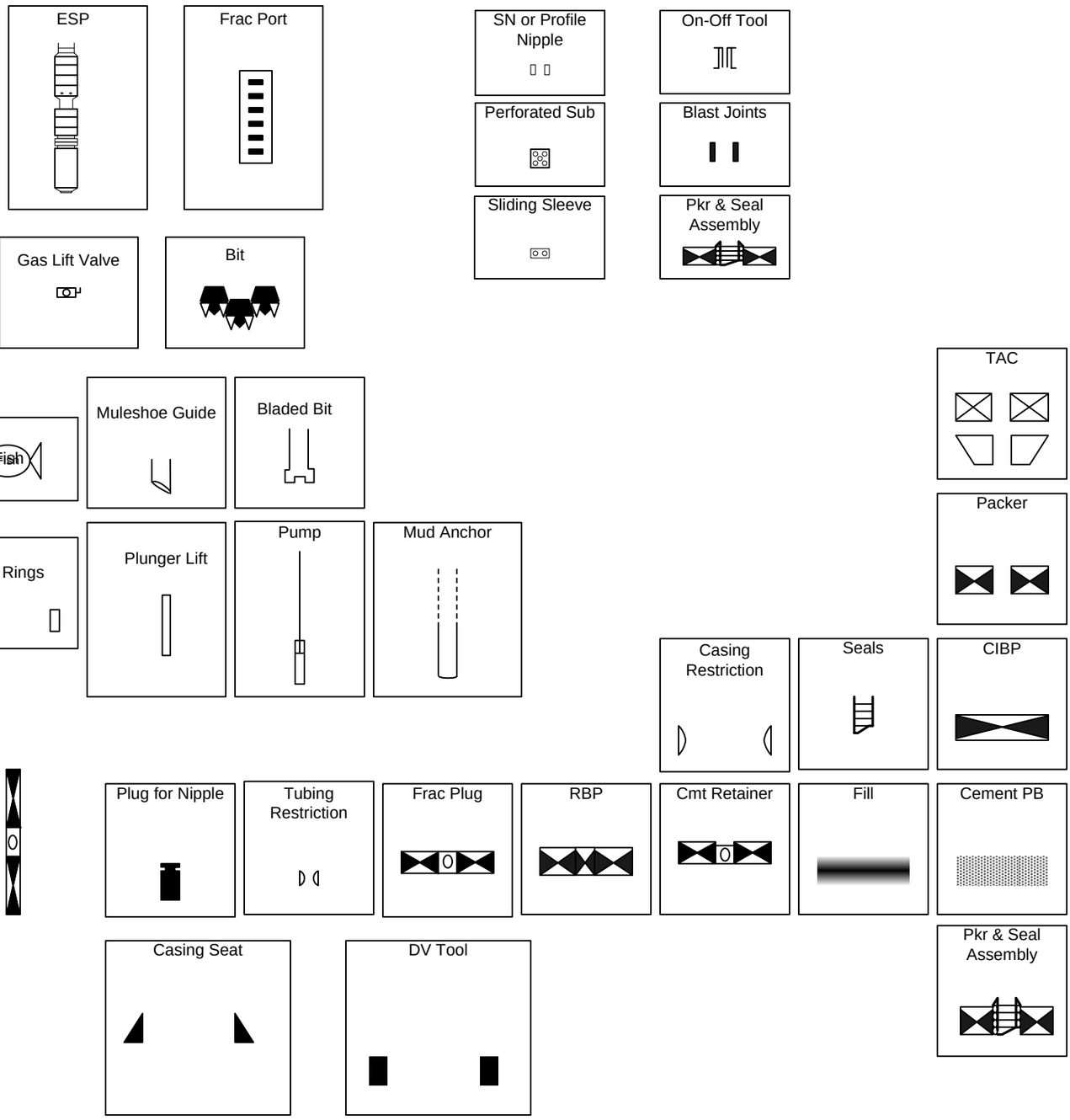
PREPARED BY: POSTROCK **DATE:** Sept, 2012

APPROVED BY: **DATE:**

POSTROCK

PostRock

LEGEND



ORENDORFF, HARRY L 3-1

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

FORMATION:	CATTLEMAN	(PERFS):	945	-	950
FORMATION:	CATTLEMAN	(PERFS):	974	-	982
FORMATION:		(PERFS):		-	
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:	CATTLEMAN	BOPD:	1.5	MCFPD:	0	BWPD:	10
FORMATION:	CATTLEMAN	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:	
FORMATION:	0	BOPD:		MCFPD:		BWPD:	

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 Oct., 20 12

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: $ 40.04

(Signed) Mina S. McBurney

Subscribed and sworn to before me, this 16th day of October, 20 12

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

NOTICE OF FILING APPLICATION

RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commingling of Production in the Orendorff, Harry L 3-1 located in Wilson 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, Weir and Cattleman producing formations at the Orendorff, Harry L 3-1, located in the E2 NE SE, S3-T28S-R15E, Approximately 1989 FSL & 347 FEL, 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
69 1 cpy

PAID

STATE NOTARY PUBLIC KANSAS STATE OF KANSAS

Rita M. Relph
NOTARY PUBLIC
State of Kansas
My Commission Expires

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 - State of Kansas
My Appt. Expires 5/28/2014

Penny L. Case

Notary Public Sedgwick County, Kansas

Printer's Fee : **$130.00**

LEGAL PUBLICATION

PUBLISHED IN THE WICHITA EAGLE
OCTOBER 11, 2012 (3211694)
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 Orendorff, Harry L 3-1 located in Wilson County, Kansas.

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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

Affidavit of Notice Served

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

Well Name: ORENDORFF, HARRY L 3-1 Legal Location: E2NESE S3-T28S-R15E

The undersigned hereby certificates that he / she is a duly authorized agent for the applicant, and that on the day ~~26TH~~ 27th of NOVEMBER,

2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

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

Name Address *(Attach additional sheets if necessary)*

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 ~~26TH~~ 27th day of NOVEMBER, 2012

Jeff Morris

Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 27th day of NOVEMBER, 2012

Jennifer R. Beal

Notary Public

My Commission Expires: July 20, 2016

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

ORENDORFF, HARRY L 3-1

2-28S-15E

NWNW	John & Julie Seiwert 16304 Inman Rd Fredonia, KS 66736
W2SWNW	Charles T. Jr. & Dulcie M. Parker 227S 8th Fredonia, KS 66736

3-28S-15E

N2NE & tracts in S2NE	John & Julie Seiwert 16304 Inman Rd Fredonia, KS 66736
tract in E2	Charles T. Jr. & Dulcie M. Parker 227S 8th Fredonia, KS 66736
Tract in W2	Florence Payne Trust 12682 2000 Rd Buffalo, KS 66717
Tract in S2	Pierpoint Farms 700 N Main Yates Center, KS 66783

10-28S-15E

Tracts in NE4	Charles & Peggy Miller 1140 Faulkner Dr Claremore, OK 74017
Tracts in NE4	Kelley & Phyllis Starbuck 130 Allen Benedict, KS 66714

11-28S-15E

Tract in NW	Mary Lamb 170 Benedict Rd Benedict, KS 66714
Railroad ROW in all sections within this report	Sunflower Rails-Trails Conservancy P.O. Box 44-2043 Lawrence, KS 66044

ORENDORFF, HARRY L 3-1-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~~ 27th day of NOVEMBER 2012

OFFICIAL SEAL
JENNIFER R. BEAL
MY COMMISSION EXPIRES
7-20-2016

Notary Public

My Commission Expires: July 20, 2016

ORENDORFF, HARRY L 3-1

2-28S-15E

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W2SWNW	Charles T. Jr. & Dulcie M. Parker 227S 8th Fredonia, KS 66736

3-28S-15E

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Railroad ROW in all sections within this report	Sunflower Rails-Trails Conservancy P.O. Box 44-2043 Lawrence, KS 66044

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/

December 12, 2012

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

RE: Approved Commingling CO121204
Orendorff, Harry L. 3-1, Sec. 3-T28S-R15E, Wilson County
API No. 15-205-27014-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on December 10, 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 Wier 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 CO121204 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