

#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1155172

Form ACO-4 Form must be typed March 2009

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

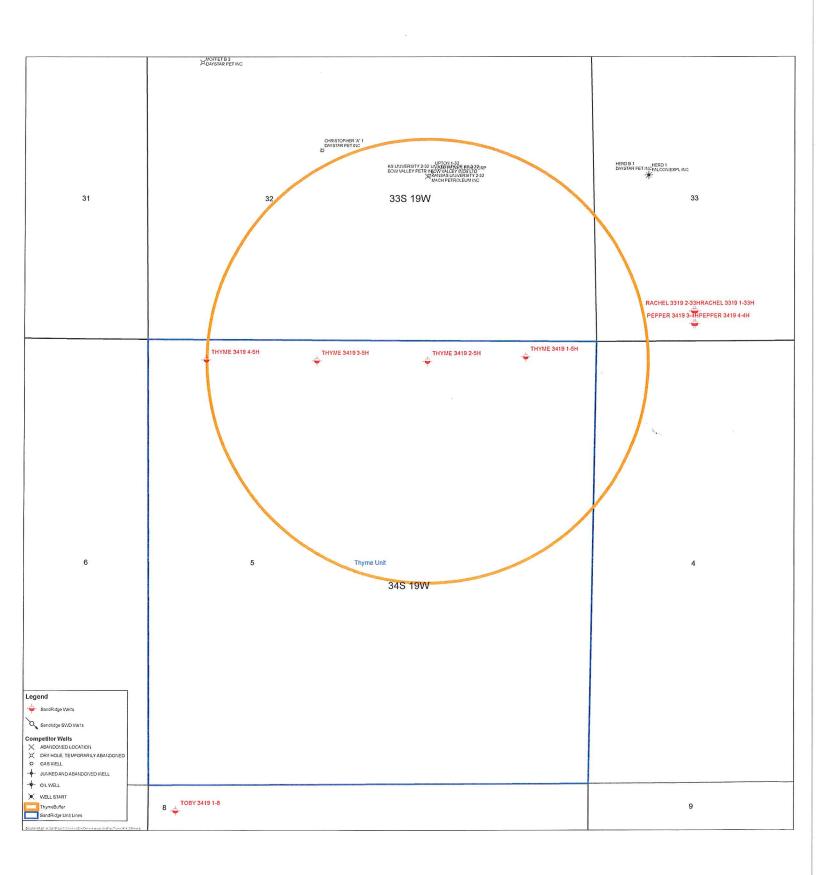
OPERAT	OR: License #	API No. 15	API No. 15						
Name:		Spot Description:							
Address	1:		_ Sec Twp	S. R East West					
Address	2:		Feet from Nort	th / South Line of Section					
City:			Feet from Eas	t / West Line of Section					
Contact F	Person:	County:							
Phone:	()	Lease Name:	Well a	#:					
1.	Name and upper and lower limit of each production interval to	be commingled:							
	Formation:	(Perfs):							
	Formation:	(Perfs):							
	Formation:	(Perfs):							
	Formation:	(Perfs):							
	Formation:	(Perfs):							
2.	Estimated amount of fluid production to be commingled from e								
	Formation:			BWPD:					
	Formation:	BOPD:	MCFPD:	BWPD:					
	Formation:			BWPD:					
	Formation:	BOPD:	MCFPD:	BWPD:					
	Formation:	BOPD:	MCFPD:	BWPD:					
<ul><li>□ 3.</li><li>□ 4.</li></ul>	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	of the lessee of record or ope	erator.	es within a 1/2 mile radius of					
For Com	mingling 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	_							
□ 0.	Complete Form Accord (well completion form) for the subject	won.							
For Com	mingling of FLUIDS ONLY, include the following:								
7.	Well construction diagram of subject well.								
8.	Any available water chemistry data demonstrating the compati	ibility of the fluids to be comi	mingled.						
current in mingling i	IT: I am the affiant and hereby certify that to the best of my formation, knowledge and personal belief, this request for comstrue and proper and I have no information or knowledge, which stent with the information supplied in this application.	Sı	ubmitted Electroni	cally					
KCC	Office Use Only	Protests may be filed by any	y party having a valid interest i	in the application. Protests must be					
l —	nied Approved	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.							

Denied Approved the notice of application.

15-Day Periods Ends: \_\_\_\_\_\_

Date: \_

Approved By:



#### **OPERATORS**

#### S/2 of 32-33S-19W

American Warrior, Inc. 3118 Cummings Rd. P.O. Box 399 Garden City, KS 67846

#### MINERAL OWNERS

#### NW/4 of 4-34S-19W

Gary W. Girk and Charlotte A. Girk, Co-Trustees of the Gary W. Girk Trust dated January 16, 2009 605 S. Jefferson Protection, KS 67127

Charlotte A. Girk and Gary W. Girk, Co Trustees of the Charlotte A. Girk Trust dated January 16, 2009 605 S. Jefferson Protection, KS 67127

#### All of 5-34S-19W

Gary W. Girk and Charlotte A. Girk, Co-Trustees of the Gary W. Girk Trust dated January 16, 2009 P. O. Box 115 Protection, KS 67127

Charlotte A. Girk and Gary W. Girk, Co Trustees of the Charlotte A. Girk Trust dated January 16, 2009 P. O. Box 115 Protection, KS 67127

Darrel W. Girk 1265 Rd 2 Protection, KS 67127

#### SW/4 of 33-33W-19W

Maxine V. Herd PO Box 213 Protection, KS 67127 Eldon Herd 1816 Sweetwater Court Lawrence, KS 66047

Harold S. Herd 141 E. Main Coldwater, KS 67029

Barbara Crane P. O. Box 681 Coldwater, KS 67029

Diane H. Smith Revocable Trust u/a/d February 7, 2011 c/o Michael D. Herd Hinkle, Elkouri Law Firm, LLC 8621 East 21st St. North, Suite 200 Wichita, KS 67206

Milton James Herd Revocable Trust u/a/d March 8, 2006 c/o Michael D. Herd Hinkle, Elkouri Law Firm, LLC 8621 East 21st St. North, Suite 200 Wichita, KS 67206

B. Kendrick Revocable Living Trust UAD March 17, 2004 Quail Ridge Assisted Living, Apt 230 12401 Trail Oak Drive, OKC, OK 73102

Randall A. Kendrick Quail Ridge Assisted Living, Apt 230 12401 Trail Oak Drive, OKC, OK 73102

Roderick L. Kendrick Quail Ridge Assisted Living, Apt 230 12401 Trail Oak Drive, OKC, OK 73102

Ronald S. Kendrick Quail Ridge Assisted Living, Apt 230 12401 Trail Oak Drive, OKC, OK 73102

#### **Certificate of Service**

The undersigned hereby certifies that on August 16, 2013, a copy of the KCC Form ACO-4, Application for Commingling of Production, and the Notice of Pending Application were mailed to the following persons and entities who constitute all of those persons entitled to notice of this Application pursuant to K.A.R. § 82-3-13 5a:

[See attachment]

Tiffany Golay

Regulatory Technician I

#### **OPERATORS**

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American Warrior, Inc. 3118 Cummings Rd. P.O. Box 399 Garden City, KS 67846

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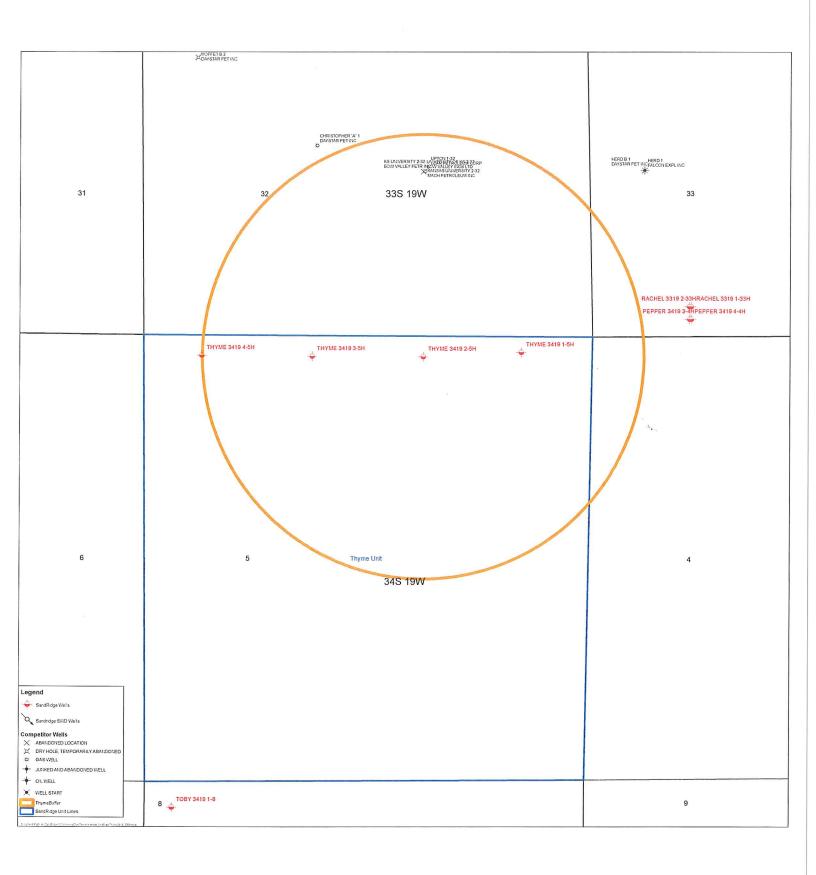
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Ronald S. Kendrick Quail Ridge Assisted Living, Apt 230 12401 Trail Oak Drive, OKC, OK 73102



## THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

IN THE MATTER OF THE APPLICATION	)	
OF SANDRIDGE EXPLORATION AND	)	
PRODUCTION, LLC FOR PERMISSION	)	
TO COMMINGLE PRODUCTION FROM	)	
THE THYME 3419 #2-5H WELL IN	)	KCC License No. 34192
COMANCHE COUNTY, KANSAS, PURSUANT	)	
TO K.A.R. §§ 82-3-314 AND 82-3-124	)	CONSERVATION DIVISION
	)	

## NOTICE OF PENDING APPLICATION FOR PERMISSION TO COMMINGLE PRODUCTION

TO: ALL OIL AND GAS PRODUCERS, UNLEASED MINERAL INTEREST OWNERS, LANDOWNERS, AND ALL PERSONS WHOSOEVER CONCERNED.

You, and each of you, are hereby notified that SANDRIDGE EXPLORATION AND PRODUCTION, LLC has filed an Application with the State Corporation Commission of the State of Kansas (the "Commission") seeking permission to commingle production, pursuant to K.A.R. §§ 82-3-124, from the Mississippi and Cherokee formations in the following well located in Comanche County, Kansas:

Thyme 3419 #2-5H well API No. 15-033-21715-01-00

Surface Location: 255' FNL and 1,980' FEL of Section 5-34S-19W

The Commission may approve SANDRIDGE EXPLORATION AND PRODUCTION, LLC's request to commingle production from the subject well without a hearing or further notice if no timely protest is filed. Any persons who object to or protest the request to commingle production from that well should file their objections or protests with the Commission within fifteen (15) days from the date of this publication. Any protest must be filed pursuant to the Commission's regulations and must state specific reasons why the grant of the Application may case waste, violate correlative rights, or pollute the natural resources of the state of Kansas. If any valid protests are timely filed, the request will be set forth hearing by the Commission. All parties in any way interested or concerned shall take notice of the foregoing and govern themselves accordingly.

David E. Bengtson (#12184) STINSON MORRISON HECKER LLP 1625 N. Waterfront Pkwy., Suite 300 Wichita, Kansas 67206-6620 (316) 265-8800 Fax: (316) 265-1349

Attorneys for SandRidge Exploration and Production, LLC

#### **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 19th

August A.D. 2013, 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.

Subscribed and sworn to before me this

19th day of August, 2013

JENNIFER RAE BAILEY Notary Public - State of Kansas My Appt. Expires/

Notary Public Sedgwick County, Kansas

Printer's Fee : \$161.20

PUBLISHED IN THE WICHITA EAGLE AUGUST 19, 2013 (3261073) THE STATE CORPORATION COMMISSION THE STATE CORPORATION COMMISSIO OF THE STATE OF KANSAS IN THE MATTER OF THE APPLICATION OF SANDRIDGE EXPLORATION AND PRODUCTION, LLC FOR PERMISSION TO COMMINGLE PRODUCTION FROM THE THYME 3419 22-54 WELL IN COMMINGLE OUNTY, KANSAS, PURSUANT TO K.A.R. §§ 82-3-314 AND 82-3-124

THE THYME 3419 87-34 WELL IN
COMMANCHE COUNTY, KANSAS, PURSUANT )
TO K.A.R. \$\$ 82-3-314 AND 82-3-124

KCC LICENSE NO. 34192
CONSERVATION DIVISION
MOTICE OF PENDING APPLICATION
FOR PERMISSION TO COMMINGLE PRODUCTION
TO: ALL OIL AND GAS PRODUCERS,
UNLEASED MINERAL INTEREST
OWNERS, LANDOWNERS, AND ALL
PERSONS WHOSOEVER CONCERNED.
You, and each of you, are hereby notified
that SANDRIDGE EXPLORATION
AND PRODUCTION, LLC has filed an
Application with the State corporation
Commission of the State of Kansas (the
'Commission') seeking permission to
commingle production, pursuant to
K.A.R. \$\$ 82-3-124, from the Mississippl
and Cherokee formalions in the following
well located in Comanche County, Kansas:
Thyme 3419 82-514 well
API NO. 15-033-21715-01-00
Surface Location: 255' FNL and
1,980' FEL of Section 5-34S-19W
The Commission may approve
SANDRIDGE EXPLORATION AND
PRODUCTION, LLC's request to
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if no firmely profest is filed. Any persons
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commingle production from that well should
file their objections or profests will the
Commission within filteen (15) days from
the date of this publication. Any profest
must be filed pursuant to the Commission's
regulations and must state specific reasons
why the grant of the Application may
case waste, violate correlative rights, or
pollute the natural resources of the state
of Kansas. If any valid profests are timely
filed, the request will be set forth hearing
by the Commission. All parties in any way
interested or concerned shall take notice
of the foregoing and govern themselves
accordingly.

David E. Bengison (#12184)
STINSON MORRISON HECKER LLP
1625 N. Walserforn Pkww, Suite 300
Wichita, Kensas 6706-620
(316) 265-8800
Fax: (316) 265-1349
Altorneys for SandRidge Exploration and
Production, LLC

### Affidavit of Publication

### Notice

Published in The Western Star Thursday, Aug. 22, 2013. 4c

THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

IN THE MATTER OF THE APPLICATION OF SANDRIDGE EXPLORATION AND PRODUC-TION, LLC FOR PERMISSION TO COMMINGLE PRODUC-TION FROM THE THYME 3419 #2-5H WELL IN COMANCHE COUNTY, KANSAS,

PURSUANT TO K.A.R. §§82-3-314 AND 82-3-124

KCC License No. 34192 CONSERVATION DIVISION

NOTICE OF PENDING APPLI-CATION FOR PERMISSION TO COMMINGLE PRODUCTION

TO: ALL OIL AND GAS PRO-DUCERS, UNLEASED MIN-ERAL INTEREST OWNERS, LANDOWNERS, AND ALL PERSONS WHOSOEVER CONCERNED.

You, and each of you, are hereby notified that SANDRIDGE EX-PLORATION AND PRODUC-TION, LLC has filed an Application with the State Corporation commission of the State of Kansas (the "Commission") seeking permission to commingle production, pursuant to K.A.R. §82.3-124, from the Mississippi and Cherokee formations in the following well located in Comanche County, Kansas:

Thyme 3419 #2-5H well API No. 15-033-21715-01-00 Surface Location: 255' FNL and 1,980' FEL of Section 5-34S-19 W

The Commission may approve SANDRIDGE EXPLORATION AND PRODUCTION, LLC's request to commingle production from the subject well without a hearing or further notice if no timely protest is filed. Any persons who object to or protest the request to commingle production from that well should file their objections or protests with the Commission within fifteen (15) days from the date of this publication. Any protest must be filed pursuant to the Commission's regulations and must state specific reasons why the grant of the Application may case waste, violate correlative rights, or pollute the natural resources of the state of Kansas, If, any valid protests are timely filed, the request will be set forth hearing by the Commission. All parties in any way interested or concerned shall take notice of the foregoing and govern themselves accordingly.

David E. Bengtson (#12184) STINSON MORRISON HECKER LLP 1625 N. Waterfront Pkwy., Suite 300 Wichita, Kansas 67206-6620 (316) 265-8800 Fax: (316) 265-1349 Attorneys for SandRidge Exploration and Production, LLC State of Kansas, Comanche County, ss.

Dennies D. Andersen, of lawful age, being duly sworn says he is the editor of *The Western Star*, a newspaper printed in the State of Kansas and published in the City of Coldwater, County of Comanche, State of Kansas, which newspaper has been admitted to the mails as periodical class matter in said county, and is of general circulation in said county, and the printed notice hereunto attached was published in the regular and entire issue of every number of said newspaper for

consecutive weeks as follows:

Consecutive weeks, as follows.
1st publicationAugust 22, 20 13
2nd publication, 20
3rd publication, 20
4th publication, 20
5th publication, 20
And further, that said newspaper is a weekly 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 that said newspaper is not a trade, religious or fraternal publication.
Subscribed and sworn to before me this 2_ 8
day of August, 20 /3
Olice Smith
Notary Public - Stete of Konsas Alice Salith  Mydool Explica 10:09-14
Publication Fee \$31.15

31.15

Total Publication Fee

Directional	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
Survey	Depth	Incl.	Azim.	Depth	Southings (-) (ft)	Westings (-) (ft)	Section (ft)	deg/100' (deg)	FNL	FSL	FWL	FEL
Calculations SHL	(ft)	(deg) 0.00	(ft) 0.00	(ft) 0.00	0.00		0.00	0.00	255	5018	3306	1979
BHL	9684	90.81	179.78	5416.68	-4688.54	-10.22	4688.55	0.00	4944	330	3308	1974
Miss Entry Top Perf	5497 5432	53.27 45.20	175.45 176.36	5305.83 5263.32	-527.77 -478.83	2.48 -1.07	527.76 478.83	13.63 6.19	783 734	4491 4540	3310 3306	1975 1979
Bottom Perf	9577	90.65	179.66	5418.00	-4581.55	-10.79	4581.56	1.12	4837	437	3307	1975
Survey Beints	NW Corne	r XY Coord	X 1733075	Y 166379			X	Υ	North	l ina clana	m -0.0037843	
Survey Points		r XY Coord	1733073	161087		Surface XY	1736380	166111		Line slope	0.0032301	
	NE Corne	r XY Coord	1738360	166359						Line slope	0.0017039	
	SE Corne	r XY Coord	1738343	161096					West	Line slope	0.0026455	
Ĭ	Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
	Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
	(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
	0 1148	0.0	0 297.18	0 1147.97	0		-3.23	0.06	255 252	5018 5022	3306 3299	1979 1986
	1424	0.80	319.21	1423.95	5	-9	-5.46	0.11	250	5024	3297	1988
	1885	0.71	308.10	1884.91	10	-13	-9.64	0.04	246	5028	3292	1993
	2265 2740	1.10 0.80	303.30 304.49	2264.86 2739.79	13 18	-18 -25	-13.08 -17.44	0.11 0.06	242 238	5032 5036	3287 3281	1998 2004
	3214	0.40	304.71	3213.77	20	-29	-20.24	0.09	235	5039	3277	2008
	3689	0.31	74.11	3688.76	22		-21.54	0.14	234	5040	3277	2008
	4164 4354	0.40 0.31	344.28 344.37	4163.76 4353.75	24 25	-28 -29	-23.49 -24.63	0.11 0.05	232 231	5042 5043	3277 3277	2008 2008
	4386	0.31	345.78	4385.75	25	-29	-24.79	0.02	231	5043	3277	2008
	4417	1.19	255.88	4416.75	25	-29	-24.80	3.97	231	5043	3277	2008
	4449 4481	3.00 5.61	202.30 184.19	4448.73 4480.64	24 22	-30 -30	-23.94 -21.60	7.77 9.10	232 234	5042 5040	3276 3276	2009 2009
	4512	8.22	177.71	4511.41	18	-30	-17.88	8.78	238	5036	3276	2009
	4544	10.69	172.69	4542.97	13	-30	-12.65	8.13	243	5031	3276	2009
	4576 4607	13.08 15.38	170.88 172.07	4574.29 4604.33	6 -1	-29 -28	-6.13 1.40	7.56 7.48	249 257	5025 5017	3277 3278	2008 2007
	4639	17.72	171.41	4635.00	-10	-26	10.41	7.34	266	5008	3279	2005
	4671	19.89	173.08	4665.29	-21	-25	20.62	6.99	276	4998	3281	2004
	4702 4734	22.18 23.99	171.98 172.20	4694.23 4723.66	-32 -44	-23 -22	31.65 44.07	7.50 5.66	287 300	4987 4974	3282 3284	2003 2001
	4734	25.72	172.20	4752.70	-44 -57	-22	57.39	5.43	313	4961	3286	1999
	4797	27.62	175.51	4780.40	-71	-18	71.22	7.44	327	4947	3287	1997
	4829	29.30	177.18	4808.53	-86 -103	-18 -17	86.44 102.59	5.81 6.79	342 358	4932 4916	3288 3289	1996 1996
	4861 4892	31.42 33.01	178.11 177.88	4836.14 4862.37	-103	-16	119.10	5.15	375	4899	3290	1995
	4924	34.51	177.88	4888.97	-137	-16	136.87	4.69	392	4882	3290	1994
	4956	36.01	177.18	4915.10	-155 -174	-15 -14	155.32	4.86 4.29	411 429	4863 4845	3291 3292	1994 1993
	4987 5019	37.30 39.28	177.71 177.18	4939.97 4965.09	-174	-14	173.81 193.61	6.27	449	4825	3293	1993
	5051	41.41	178.37	4989.47	-214	-12	214.30	7.08	470	4804	3294	1991
Tou of Tourset	5082	43.39	178.37	5012.36	-235	-12	235.20 257.44	6.39 4.43	491 513	4783 4761	3295 3295	1990 1990
Top of Tangent @ 5114'	5114 5146	44.72 44.50	179.07 178.68	5035.36 5058.14	-257 -280	-11 -11	279.90	1.10	535	4738	3296	1989
C	5177	44.41	177.58	5080.27	-302	-10	301.60	2.50	557	4717	3296	1988
	5209	44.41	177.88	5103.13 5125.29	-324 -346	-9 -8	323.97 345.63	0.66 0.36	579 601	4694 4673	3297 3298	1987 1986
Btm of Tangent	5240 5272	44.32 44.32	177.97 177.88	5148.19	-368	-8	367.97	0.20	623	4650	3299	1986
@ 5399'	5304	44.19	177.80	5171.11	-390	-7	390.28	0.44	646	4628	3300	1985
	5335	43.88	177.18	5193.39	-412	-6	411.80	1.71	667	4607	3301 3302	1984 1982
	5367 5399	43.70 43.31	175.77 175.37	5216.49 5239.70	-434 -456	-4 -3	433.90 455.85	3.10 1.49	689 711	4584 4563	3302	1982
	5430	44.98	176.39	5261.95	-477	-1	477.38	5.86	733	4541	3306	1979
	5462	48.52	175.90	5283.87	-501	0 2	500.62 524.50	11.12 13.61	756 780	4518 4494	3307 3309	1977 1975
	5493 5525	52.72 57.09	175.37 175.99	5303.53 5321.93	-525 -551	4	550.60	13.75	806	4468	3311	1973
	5557	61.11	176.87	5338.36	-578	6	577.99	12.78	833	4440	3313	1971
	5588	64.21	177.88	5352.59	-606	7	605.49	10.41	861	4413	3314 3315	1970 1969
	5620 5652	66.51 68.98	179.87 181.81	5365.93 5378.05	-635 -664	8 7	634.56 664.17	9.14 9.54	890 920	4384 4354	3315	1970
	5683	71.10	183.70	5388.64	-693	6	693.27	8.92	949	4325	3313	1971
	5715 5747	73.40	182.60	5398.39	-724 -755	4 3	723.71 754.53	7.90 7.50	979 1010	4295 4264	3312 3311	1973 1974
	5747 5778	75.78 78.22	182.29 182.47	5406.89 5413.87	-755 -785	2	754.53 784.71	7.89	1010	4234	3309	1974
	5810	80.78	181.98	5419.70	-816	0	816.15	8.14	1072	4202	3308	1976
	5828	82.28	181.90	5422.35	-834	0	833.95	8.35	1089	4184	3308 3304	1977 1980
	5926 6018	87.98 90.81	182.38 181.50	5430.67 5431.64	-931 -1023	-4 -7	931.49 1023.44	5.84 3.22	1187 1279	4087 3995	3304	1980
	6111	92.80	181.50	5428.71	-1116	-9	1116.36	2.14	1372	3902	3299	1985
	6203	92.18	180.97	5424.71	-1208	-11	1208.26	0.89	1464	3810	3298	1987
	6295 6387	92.00 91.91	180.00 179.07	5421.36 5418.22	-1300 -1392	-12 -11	1300.19 1392.13	1.07 1.02	1556 1648	3718 3626	3297 3298	1987 1986
	6478	90.10	179.47	5416.62	-1483	-10	1483.10	2.04	1739	3535	3299	1985
	6570	88.51	179.47	5417.74	-1575	-9	1575.08	1.73	1831	3443	3301	1983

Measured	Sub-Sea	Vertical	True Vert	Northings (+)	Eastings (+)	Vert	DLS				
Depth	Incl.	Azim.	Depth	Southings (-)	Westings (-)	Section	deg/100'				
(ft)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	FNL	FSL	FWL	FEL
6662	89.70	178.90	5419.17	-1667	-8	1667.05	1.44	1923	3351	3302	1982
6754	90.99	179.21	5418.62	-1759	-7	1759.03	1.44	2015	3259	3304	1980
6846	88.69	179.30	5418.88	-1851	-5	1851.01	2.50	2107	3167	3305	1979
6938	88.51	178.90	5421.13	-1943	-4	1942.96	0.48	2198	3075	3307	1977
7030	89.62	180.18	5422.63	-2035	-3	2034.94	1.84	2290	2983	3308	1976
7121	90.50	180.57	5422.53	-2126	-4	2125.94	1.06	2381	2892	3308	1976
7213	91.78	180.48	5420.70	-2218	-5	2217.92	1.40	2473	2800	3307	1977
7305	91.30	180.48	5418.23	-2310	-5	2309.88	0.52	2565	2708	3306	1977
7399	89.31	180.40	5417.73	-2404	-6	2403.87	2.12	2659	2614	3306	1978
7494	89.40	180.79	5418.80	-2499	-7	2498.86	0.42	2754	2520	3305	1978
7589	89.48	180.88	5419.73	-2594	-8	2593.85	0.13	2849	2425	3304	1979
7684	90.01	180.88	5420.15	-2689	-10	2688.84	0.56	2944	2330	3303	1980
7779	89.88	181.28	5420.24	-2784	-12	2783.83	0.44	3039	2235	3301	1982
7874	90.99	181.10	5419.52	-2879	-14	2878.81	1.18	3134	2140	3300	1984
7969	90.28	180.88	5418.47	-2974	-15	2973.79	0.78	3229	2045	3298	1985
8064	90.81	179.87	5417.56	-3069	-16	3068.79	1.20	3324	1950	3298	1985
8159	90.50	179.47	5416.48	-3164	-15	3163.77	0.53	3419	1855	3299	1984
8254	90.10	180.09	5415.98	-3259	-15	3258.77	0.78	3514	1760	3299	1984
8349	88.60	180.97	5417.06	-3354	-16	3353.76	1.83	3609	1665	3299	1984
8444	89.62	180.97	5418.53	-3449	-17	3448.73	1.07	3704	1570	3297	1986
8539	89.88	180.71	5418.95	-3544	-19	3543.73	0.39	3799	1475	3296	1987
8634	90.50	180.00	5418.63	-3639	-19	3638.72	0.99	3894	1380	3296	1987
8729	90.50	178.68	5417.80	-3734	-18	3733.71	1.39	3989	1285	3297	1986
8824	89.88	179.87	5417.49	-3829	-17	3828.69	1.41	4084	1190	3299	1984
8919	89.88	179.69	5417.69	-3924	-17	3923.69	0.19	4179	1095	3299	1983
9013	90.50	179.87	5417.37	-4018	-16	4017.68	0.69	4273	1001	3300	1983
9108	91.12	179.78	5416.03	-4113	-16	4112.67	0.66	4368	906	3300	1982
9203	89.62	179.60	5415.42	-4208	-16	4207.66	1.59	4463	811	3301	1981
9298	89.48	179.21	5416.16	-4303	-15	4302.65	0.44	4558	716	3302	1980
9393	88.38	178.68	5417.94	-4398	-13	4397.60	1.29	4653	621	3304	1978
9488	90.41	179.47	5418.94	-4493	-11	4492.57	2.29	4748	526	3306	1976
9635	90.81	179.78	5417.38	-4640	-10	4639.56	0.35	4895	379	3308	1975
9684	90.81	179.78	5416.68	-4689	-10	4688.55	0.00	4944	330	3308	1974

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 Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

September 6, 2013

Tiffany Golay SandRidge Exploration & Production LLC 123 Robert S. Kerr Ave. Oklahoma City, OK 73102-6406

RE: Approved Commingling CO091301

Thyme 3419 2-5H, Sec.5-T34S-R19W, Comanche County

API No. 15-033-21715-01-00

Dear Ms. Golay:

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 September 6, 2013 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
Cherokee	0.0	30.0	30.0	5432-5496
Mississippian	23.0	2.2	1400.0	5497-9577
Total Estimated Current Production	23.0	32.2	1430.0	

Based upon the depth of the Mississippian formation perforations, total oil production shall not exceed 1200 BOPD and total gas production shall not exceed 3 MMCFPD.

Commingling ID number CO091301 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